Catalog 2015–2016

PARKLAND COLLEGE
2400 West Bradley Ave., Champaign IL 61821-1899
www.parkland.edu • 217/351-2200

Campus Tours • 217/351-2482
General Information • 217/351-2200
Admissions • 217/351-2208 • 1-800-346-8089

Contents

Welcome to Parkland College

On behalf of the trustees and administrators, I warmly welcome you to Parkland College as we enter our 48th academic year.

Our goal, as always, is to ensure that you leave us well prepared for your selected profession or for transfer to baccalaureate institutions. To complete this goal, our stellar instructors, counselors, advisors, and dedicated staff work hard to create the best learning environment for you. Most recently, this work has included equipping Parkland with up-to-date technology and expanding our facilities to give you more room to study, grow, and get involved on campus. If you have not yet visited our new Student Union and Fine and Applied Arts studios, I encourage you to stop by and take a look.

Improving our student retention, persistence, and completion rates is another important step in our goal to prepare you for success. Over the next five years, Parkland will use a new Title III grant we've received to expand on what we do well in teaching and student support for students in greatest need. Our "Pathways to Accelerate Student Success" project will build up our student development support system so that students move faster from pre-college-level courses into freshman courses.

These recent efforts are the tip of the iceberg where it concerns Parkland College's plans for your academic growth and development. It's what we do best.

Thanks for choosing Parkland.

Thomas R. Ramage, Ed.D.

President

Parkland College ensures equal educational opportunities are offered to students, regardless of race, color, national origin, age, gender, gender expression, sexual orientation, religion, veteran status, Vietnam veteran status, ancestry, or disability. Questions in reference to educational opportunities may be directed to Linda Moore, vice president for student services, U234, Parkland College, 217/351-2551, responsible for gender equity (Title IX), minorities (Title VI), and the Americans with Disabilities Act (ADA) and Cathy Robinson, director of disability services, U264, Parkland College, 217/353-2082, responsible for students with disabilities (Section 504).

This catalog is for information only and does not constitute a contract. The college reserves the right to change, modify, or alter without notice all fees, charges, tuition, expenses, and costs of any kind and further reserves the right to add or delete without notice any course or program offering, service, or information in this catalog.

All students and alumni ("Students") are advised that Parkland College ("Parkland") Marketing and Public Relations Offices take photographs and videotapes of Students throughout the year. These photographs and videotapes often include Students in classrooms, study areas, and at athletic events and Parkland-related activities. Parkland reserves the right to use these photographs and videotapes as a part of its publicity and marketing efforts. Students who enroll at Parkland do so with the understanding that these photographs and videotapes might include their names, pictures, images, voices, and likenesses, and such photographs or videotapes might be included, published, or used in Parkland publications including print, broadcast, or electronic media, for publicity, commercial, or marketing purposes, and enrollment at Parkland constitutes Students' consent to the inclusion, publication, or use of their names, pictures, images, voices, and likenesses in Parkland publications, both printed and electronic, for publicity, commercial, promotional, or marketing purposes.

2015–2016 Calendar

Summer Session 2015

Instruction begins May 18, June 15, June 29, and July 13. Instruction ends no later than August 6.

Classes begin and end on different dates within the 12-week summer term. Start and end dates, registration periods, final exam schedules, and add/drop/withdrawal dates and/or rules for each class are published in the Parkland class schedule, on the student portal (my.parkland.edu), and at www.parkland.edu.

Registration for continuing students	March 30–April 5
Open registration begins	April 6
Deadline for summer graduation application	July 24
Campus holidays and closures	
Memorial Day (college closed)	May 25
Independence Day (college closed)	July 2
College offices closed on Fridays	June 19–August 7

Fall Semester 2015

Instruction begins August 24

Registration for continuing students	April 6–12
Open registration begins	April 13
Tuition due	August 4
For classes that begin the week of August 24	
Last day to register for new, degree-seeking students	August 18
Last day to register for all other students	August 20
Tuition due	August 18
Cancellation of classes for insufficient enrollment	August 20
Instruction begins	week of August 24
Last day to drop with no record and 100% refund	August 30
For classes that begin the week of September 14	
Last day to register for new, degree-seeking students	September 8
Last day to register for all other students	September 10
Tuition due	September 8
Cancellation of classes for insufficient enrollment	September 10
Instruction begins	week of September 14
Last day to drop with no record and 100% refund	September 20
For classes that begin the week of October 19	
Last day to register for new, degree-seeking students	October 13
Last day to register for all other students	October 15
Tuition due	October 13
Cancellation of classes for insufficient enrollment	October 15
Instruction begins	week of October 19
Last day to drop with no record and 100% refund	October 25
Deadline to petition for fall graduation	**November 13**
Last day to withdraw from classes ending the week of December 7	**December 4**
For all class sessions, the last day to withdraw is the final business day before the last week of instruction	
Last day of instruction	December 11
Final examinations	December 14–18
Grades due by 11:59 p.m. for classes ending the week of December 7	December 21
Campus holidays and closures	
Faculty and Staff Development (offices closed 8–10 a.m.)	August 17
Labor Day (college closed)	September 7
Thanksgiving recess (begins at 5 p.m. on November 25; college closed)	November 25–29
Winter break (college closed)	December 24–January 3

Spring Semester 2016
Instruction begins January 11

Registration for continuing students	October 26–November 1
Open registration begins	November 2
Tuition due	December 15
For classes that begin the week of January 11	
Last day to register for new, degree-seeking students	January 5
Last day to register for all other students	January 7
Tuition due	January 5
Cancellation of classes for insufficient enrollment	January 7
Instruction begins	week of January 11
Last day to drop with no record and 100%	January 17
For classes that begin the week of February 1	
Last day to register for new, degree-seeking students	January 26
Last day to register for all other students	January 28
Tuition due	January 26
Cancellation of classes for insufficient enrollment	January 28
Instruction begins	week of February 1
Last day to drop with no record and 100% refund	February 7
For classes that begin the week of March 7	
Last day to register for new, degree-seeking students	March 1
Last day to register for all other students	March 3
Tuition due	March 1
Cancellation of classes for insufficient enrollment	March 3
Instruction begins for	week of March 7
Last day to drop with no record and 100% refund	March 13
Deadline to petition for spring graduation to participate in commencement	**March 2**
Deadline to petition for spring graduation not participating in commencement	April 1
Last day to withdraw from classes ending the week of May 2	**April 29**
For all class sessions, the last day to withdraw is the final business day before the last week of instruction	
Last day of instruction	May 5
Final examinations	May 9–13
Commencement	May 13
Grades due by 11:59 p.m. for classes ending the week of May 2	May 16
Campus holidays and closures	
Martin Luther King Jr. Day (college closed)	January 18
Professional Development Day (no day or night classes)	February 25
Spring vacation	March 19–27
Spring holiday (college closed)	March 25
Study day (no classes)	May 6

Tentative 2016–2017 Calendar

Summer Session 2016

Instruction begins May 16, June 13, June 27, and July 11. Instruction ends no later than August 4.

Classes begin and end on different dates within the 12-week summer term. Start and end dates, registration periods, final exam schedules, and add/drop/withdrawal dates and/or rules for each class are published in the Parkland class schedule, on the student portal (my.parkland.edu), and at www.parkland.edu.

Registration for continuing students	March 28 - April 3
Open registration begins	April 4
Deadline for summer graduation application	July 21
Campus holidays and closures	
Memorial Day (college closed)	May 30
Independence Day (college closed)	July 4
College offices closed on Fridays	June 17–August 5

Fall Semester 2016

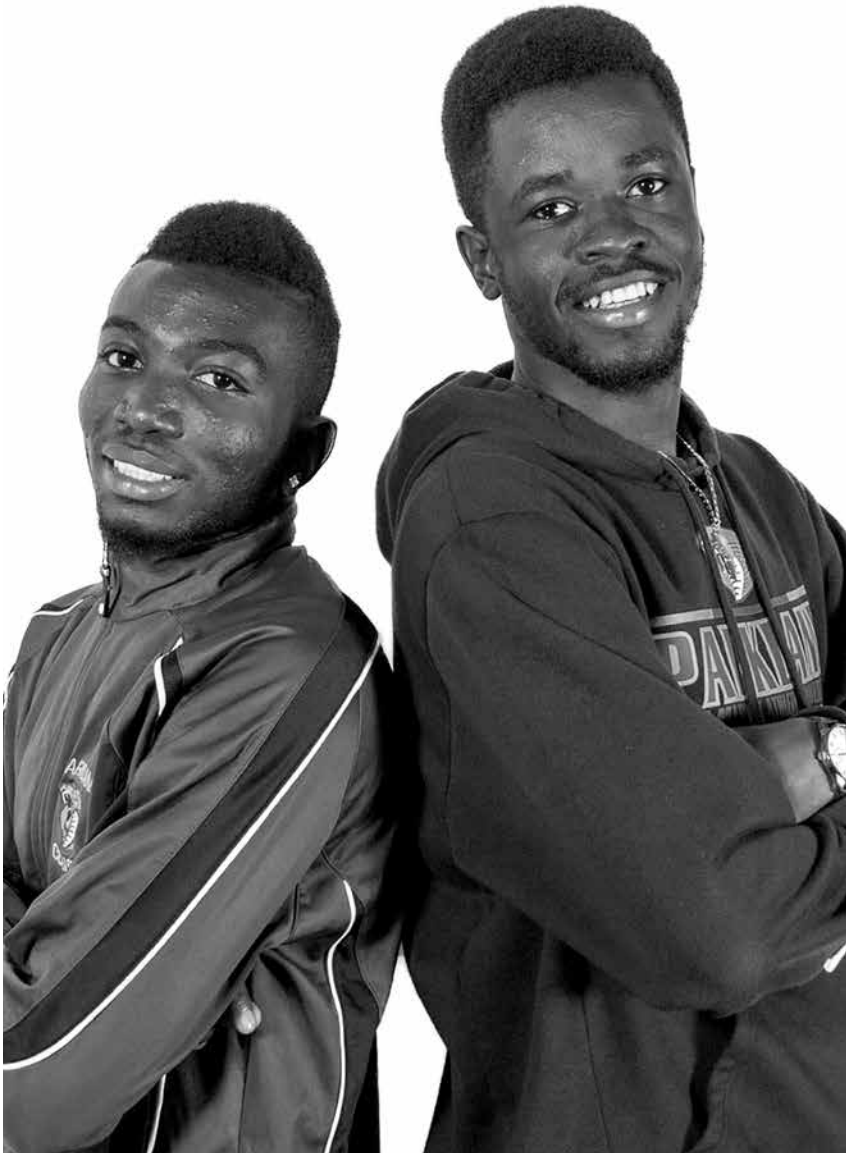
Instruction begins August 22

Registration for continuing students	April 4–10
Open registration begins	April 11
Tuition due	August 2
For classes that begin the week of August 22	
Last day to register for new, degree-seeking students	August 16
Last day to register for all other students	August 18
Tuition due	August 16
Cancellation of classes for insufficient enrollment	August 17
Instruction begins	week of August 22
Last day to drop with no record and 100% refund	August 28
For classes that begin the week of September 12	
Last day to register for new, degree-seeking students	September 6
Last day to register for all other students	September 8
Tuition due	September 6
Cancellation of classes for insufficient enrollment	September 7
Instruction begins	week of September 12
Last day to drop with no record and 100% refund	September 18
For classes that begin the week of October 17	
Last day to register for new, degree-seeking students	October 11
Last day to register for all other students	October 13
Tuition due	October 11
Cancellation of classes for insufficient enrollment	October 12
Instruction begins	week of October 17
Last day to drop with no record and 100% refund	October 23
Deadline to petition for fall graduation	**November 8**
Last day to withdraw from classes ending the week of December 9	**December 2**
For all class sessions, the last day to withdraw is the final business day before the last week of instruction	
Last day of instruction	December 9
Final examinations	December 12–16
Grades due by 11:59 p.m. for classes ending the week of December 9	December 19
Campus holidays and closures	
Faculty and Staff Development (offices closed 8–10 a.m.)	August 15
Labor Day (college closed)	September 5
Thanksgiving recess (begins at 5 p.m. on November 23; college closed)	November 23–27
Winter break (college closed)	December 23–January 2

Spring Semester 2017
Instruction begins January 16

Registration for continuing students	October 31–November 6
Open registration begins	November 7
Tuition due	December 13
For classes that begin the week of January 16	
Last day to register for new, degree-seeking students	January 10
Last day to register for all other students	January 12
Tuition due	January 10
Cancellation of classes for insufficient enrollment	January 11
Instruction begins	week of January 16
Last day to drop with no record and 100%	January 23
For classes that begin the week of February 6	
Last day to register for new, degree-seeking students	January 31
Last day to register for all other students	February 2
Tuition due	January 31
Cancellation of classes for insufficient enrollment	February 1
Instruction begins	week of February 6
Last day to drop with no record and 100% refund	February 12
For classes that begin the week of March 13	
Last day to register for new, degree-seeking students	March 7
Last day to register for all other students	March 9
Tuition due	March 7
Cancellation of classes for insufficient enrollment	March 8
Instruction begins	week of March 13
Last day to drop with no record and 100% refund	March 19
Deadline to petition for spring graduation to participate in commencement	**March 7**
Deadline to petition for spring graduation not participating in commencement	April 10
Last day to withdraw from classes ending the week of May 8	**May 5**
For all class sessions, the last day to withdraw is the final business day before the last week of instruction	
Last day of instruction	May 11
Final examinations	May 15–19
Commencement	May 19
Grades due by 11:59 p.m. for classes ending the week of May 8	May 22
Campus holidays and closures	
Martin Luther King Jr. Day (college closed)	January 16
Professional Development Day (no day or night classes)	February 23
Spring vacation	March 18–26
Spring holiday (college closed)	March 24
Study day (no classes)	May 12

General Information



Contents

Administrative Directory

President
Tom Ramage Room U336 217/351-2231

Interim Vice President for Academic Services
Pamela Lau Room U333 217/351-2542

Vice President for Administrative Services and Chief Financial Officer
Chris Randles Room U331 217/351-2513

Vice President for Institutional Advancement
Seamus Reilly Room U332 217/353-2170

Vice President for Student Services
Linda Moore Room U334 217/351-2551

Mission and Purposes

The mission of Parkland College is to engage the community in learning.

The following purposes are of equal importance in fulfilling the mission of Parkland College:

- Serve students by providing
  - high-quality and responsive developmental, technical-vocational, transfer, and lifelong educational programs;
  - high-quality and responsive support services;
  - a climate throughout the college that values and promotes integrity, inquiry, diversity, inclusion, active citizenship, global awareness, and academic freedom;
- Serve employees by providing a supportive and responsive work environment;
- Serve the larger community by providing services and resources that promote the intellectual, cultural, and economic development of Illinois Community College District 505.

Statement of Core Values

As an institution of learning, Parkland College cultivates inquiry, practical application of knowledge, and broad enrichment across our community. The following values are important to the fulfillment of Parkland College's mission to provide programs and services of high quality to our students and community.

- ***Honesty and Integrity.*** In our daily operations, our classrooms, and all of our interactions, it is essential that we communicate openly, truthfully, and without hypocrisy.
- ***Fairness and Just Treatment.*** We advocate and strive for respect, equity, and justice in all of our operations and proceedings.
- ***Responsibility.*** We believe that employees and students are personally and mutually accountable for their actions as they carry out their duties. We understand the need to balance the pursuit of our own well-being with concern for others. Likewise, we understand the importance of balancing personal accountability with graciousness in the acceptance of help from others.
- ***Multiculturalism.*** We celebrate the diversity in both our community and our world. Our goal is to recognize, promote, utilize, and educate one another regarding the unique qualities and shared humanity of all people and cultures.
- ***Education.*** We provide a forum for innovation, critical thinking, open inquiry, and lifelong learning opportunities.
- ***Public Trust.*** In our efforts to serve the community, we honor the trust placed in us by our citizenry. We also rely on our community to guide and advise us as we continue to serve its needs.

Civility Statement

Parkland's core values of Fairness and Just Treatment and Responsibility serve as guideposts for civility. Parkland College is committed to campuswide civility by cultivating a community where the faculty, staff, and students:

- Respect people and property
- Show empathy and tolerance
- Demonstrate concern for and fairness towards others
- Employ critical thinking and patience
- Accept accountability for their own actions

Cultural Diversity

Parkland College's commitment to cultural diversity entails learning more about and respecting cultures other than our own; emphasizing similarities among cultures and appreciating their differences; sensitizing the faculty, staff, administration, and students to the plurality inherent in the term 'culture'; broadening our own personal definitions of culture; and bridging cultures.

Parkland College will help spread the awareness of cultural diversity to the residents of Illinois Community College District 505 by:

- Respecting the inherent right of all persons to live with dignity and freedom.
- Respecting individual rights of expression.
- Setting a standard for the larger community by promoting sensitivity, communication, and understanding among people with differing beliefs, color, gender, cultures, and backgrounds.
- Encouraging equal opportunity for students, faculty, and staff.
- Providing opportunities (e.g., curriculum development, art exhibits, theatrical presentations, and special events) for increasing our awareness of cultural differences and personal lifestyles within our college and within our communities.

Equal Employment Opportunity

It is Parkland's policy, as an Equal Employment Opportunity (EEO) employer, to assure for all persons freedom from discrimination because of race, color, sex, gender, gender expression, national origin, religion, age, veteran status (including Vietnam veteran), marital status, ancestry, disability, or sexual orientation with respect to all aspects of employment, contractual services, and construction of college facilities. Such discrimination threatens the rights, privileges, opportunities, and freedom of all persons, and menaces the institution and foundations of democracy. The opportunity to be gainfully employed without discrimination because of race, color, sex, gender, gender expression, national origin, religion, age, veteran status (including Vietnam veteran), marital status, ancestry, disability, or sexual orientation are human rights in any free society.

General Education

Educated persons tend to be inquisitive about all aspects of life; they seek, evaluate, and use information to make informed, reasonable decisions in a complex world of personal, professional, and environmental challenges. Parkland College is committed to equipping students with the knowledge, skills, and values essential for educated persons to realize their potential as learners, workers, and valuable participants in a global society.

The General Education core curriculum requirements in communications, social and behavioral sciences, humanities and fine arts, mathematics, and physical and life sciences are central to the mission of Parkland College. The requirements are designed to provide an enlightening, interrelated program that ensures a wide range of diversified knowledge and promotes lifelong intellectual inquiry. Students enter Parkland with different levels of general knowledge; all of Parkland's academic offerings will help them grow by improving their individual skills and competencies and by providing experiences in areas they have not yet explored.

The Parkland College faculty has developed the following General Education objectives for students organized into six categories:

Communication

- Students will demonstrate the ability to read, write, listen, and speak effectively.

Creativity

- Students will demonstrate creative and analytical potential and the ability to appraise the quality, value, and significance of cultural components and artifacts, such as literature, sculpture, painting, music, performing arts, media arts, and spoken rhetoric.

Critical Thinking and Information Literacy

- Students will demonstrate information literacy and the ability to think critically, which includes identifying biases and selecting and evaluating sources from varying as well as conflicting positions.

Quantitative Reasoning and Scientific Inquiry

- Students will demonstrate the ability to compute and to think and express themselves effectively in quantitative terms.
- Students will demonstrate the ability to solve problems, by collecting and evaluating facts and using methods of scientific inquiry.

Technology

- Students will demonstrate the ability to use technology, especially computer technology, to access, retrieve, process, and communicate information.

Civic Engagement and Global Awareness

- Students will demonstrate an understanding of worldwide political, social, behavioral, environmental, and economic issues and ideas, as well as historical, cultural, and geographical perspectives.
- Students will demonstrate ethical core values in making personal, social, academic, and professional decisions.
- Students will demonstrate an awareness and understanding of diversity and its importance in cultures, ideas, perspectives, ethnicity, religion, gender, and sexual orientation.

Collegewide Assessment

Assessing Student Academic Achievement

Parkland's collegewide assessment program ensures continuous improvement in teaching and learning. Student learning is assessed and documented in each program of study the college offers, as well as in each area identified in the General Education objectives. Effective assessment of learning involves establishing goals and desired learning outcomes, measuring students' achievement of those goals and outcomes, changing instructional delivery techniques and components, suggesting appropriate changes in student behavior, and remeasuring students' achievement of goals and outcomes to determine whether the changes are effective.

Assessment is a faculty process, with administrative support, for the benefit of students. Parkland College is committed to fulfilling the promises made in the college's statement of mission and purposes. Collegewide continuous assessment of student academic achievement provides the evidence that Parkland is keeping its educational promises to the people it serves, Illinois Community College District 505.

For more information, see www.parkland.edu/aac.

Assessing Support Services Effectiveness

Assessing the effectiveness of institutional support services, measuring how well the college achieves its stated goals, demonstrates Parkland's commitment to excellence. By assessing both student academic achievement and institutional support services, the college continuously strives to improve all its offerings. All Parkland institutional support service areas, including the college bookstore, the Art

Gallery, Student Services, WPCD-FM, the Business Office, and building and grounds operations, are engaged in a process to measure their effectiveness and to identify needed improvements. Each service area develops its own mission statement, sets measurable goals, assesses outcomes, and uses the results for continuous improvement.

For more information, see www.parkland.edu/sa.

History

Parkland College is a public community college established to serve the needs of District 505 in vocational-technical and academic education. The establishment of the college was authorized by the 74th General Assembly in June of 1965 with the passage of House Bill No. 1710, better known as the Public Community College Act. This bill created the guidelines for the formation of such institutions throughout the state of Illinois.

A steering committee composed of 54 citizens and area school officials worked diligently to promote the passage of the approving referendum. The final result of this effort was a college district covering one of the largest geographic areas in the state. It now includes more than 2,908 square miles, contains 55 communities with approximately 244,000 inhabitants, and serves 25 high school districts in 12 counties. The committee envisioned a college that would offer a comprehensive program based on the needs of the communities it would serve. The program would include courses in liberal arts and sciences, general education, continuing education, and courses in career, technical, and semi-professional fields.

Parkland College was founded on March 12, 1966, when voters overwhelmingly approved the referendum to establish Junior College District 505. A seven-member board of trustees was elected in April, one month after the college district proposal was approved. The board held its first meeting in May 1966 to organize and establish regular meeting times. Its seven members then set down the principles around which the college would be built. The board is responsible for the adoption and enforcement of all policies needed to manage and govern the college.

Dr. William M. Staerkel assumed his duties as Parkland's first president in January 1967. That spring, the name Parkland College was adopted by the board. In September 1967, 1,338 students registered for Parkland's first classes, which were taught in temporary, rented facilities in downtown Champaign.

Construction of the permanent campus began after voters approved a $7.5 million bond referendum in 1968. The permanent campus opened in fall 1973.

The Physical Education Building was completed in January 1976 and a significant renovation including the addition of a fitness center was completed in 2012. Parkland's playing fields, including a 400-meter running track, baseball and softball diamonds, and tennis courts, were completed in 1980. The South Building was completed in January 1983. The A Wing, which contains administrative offices and classrooms, was completed in 1984. Parkland's Theatre and the William M. Staerkel Planetarium were completed in 1987. The Child Development Center was completed in 1995. The D Wing was completed in January 2002. The Tony Noel Agricultural Technology Applications Center was completed in 2001 and a 17,000 square foot expansion was opened in late 2010. The Applied Technology Center, a 68,000 square foot free-standing instructional building, opened in 2012. The Student Union was completed and opened in 2014.

The planetarium was named in honor of Parkland's founding president, William M. Staerkel, who retired in 1987 with the distinguished title of president emeritus. Dr. Paul J. Magelli served as Parkland's second president from July 1, 1987, to September 14, 1989. After an interim period during which Dr. Robert Poorman directed Parkland, Dr. Zelema Harris became Parkland's president on July 1, 1990.

Dr. Harris was successful in leading passage of a tax transfer referendum; introducing a team leadership/collaborative style of management; establishing new initiatives such as a retention program; expanding international education; implementing operational planning; and leading support for the Center for Excellence in Teaching and Learning. In addition to her work at Parkland, Dr. Harris served on the board of the American Association of Community Colleges and on the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools.

Dr. Robert Exley served as the fourth president of Parkland College from July 1, 2006 to May 21, 2007. Dr. Tom Ramage was named interim president on June 26, 2007, and president on January 16, 2008.

Accreditation

Since 1972, Parkland College has been accredited by the Higher Learning Commission, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504, www.ncahlc.org, 800/621-7440.

Parkland College is committed to offering quality programs to help students achieve their academic goals. This commitment to quality means the college continually assesses the goals and objectives of each program and gathers data to determine how successful we are in meeting these goals and objectives. The support of our students, alumni, and their employers in helping us gather data for this assessment process is essential. This input helps us to refine and improve programs to meet high standards in a changing world. These assessment activities are summarized in Parkland College's assessment program, a crucial component of an effective institution of higher learning. If you have questions or comments about our academic assessment activities, please contact the vice president for academic services, 217/351-2542.

The following Parkland career programs are accredited by these agencies: Automotive Ford ASSET, National Automotive Technician Education Foundation (NATEF); Automotive Technology, National Automotive Technician Education Foundation (NATEF), Automotive Youth Education System (AYES); CNA, Illinois Department of Public Health; Dental Hygiene, Commission on Dental Accreditation of the American Dental Association; Diesel Technology, Association of Equipment Dealers (AED); Dietary Manager, Association of Nutrition and Foodservice Professionals; Medical Assisting, American Registry of Medical Assistants; Medical Laboratory

Technology, National Accrediting Agency for Clinical Laboratory Sciences (NAACLS); Nursing, National League for Nursing Accrediting Commission; Occupational Therapy Assistant, The Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association; Radiologic Technology, Joint Review Committee on Education in Radiologic Technology; Respiratory Care, Committee on Accreditation for Respiratory Care of the Commission on Accreditation of Allied Health Education Programs (CAAHEP); Surgical Technology, Joint Review Committee on Education of the Surgical Technologist of the Commission on Accreditation of Allied Health Education Programs (CAAHEP); Veterinary Technology, Committee on Veterinary Technician Education and Activities of the American Veterinary Medical Association.

Parkland College Association

The purpose of the Parkland College Association (PCA) is to provide advice, counsel, and assistance to the president of the college and to the Board of Trustees in order to advance the mission and purposes of Parkland College. The PCA has the authority and responsibility to participate fully in the formulation and implementation of policies and practices concerning the general development and enrichment of the academic life of the college, the development and review of the curricula of the college, the discussion and resolution of matters of concern to students and staff, and the promotion of cooperation and communication with the student body.

The PCA serves as the instrument of shared governance for the college through open dialogue, recommending policies and procedures, and the substantive work of its many committees, including academic assessement, college planning, curriculum, diversity, support assessment, professional development, student affairs, and sustainable campus.

Parkland Campus and Facilities

Parkland's unique campus is one of the finest and most advanced community college facilities in the nation. The New York Museum of Modern Art included the college's architectural design in its 1979 "Transformations in Modern Architecture," an exhibit and book featuring examples of outstanding late twentieth-century architecture.

The 255-acre campus is located in the center of District 505, near the intersection of interstate highways 57, 72, and 74 (see maps on pp. 15–16).

The brick exterior walls and sloping roofs of the campus add to the interior design where comfortable furnishings suggest a "home-away-from-home" atmosphere for the many students commuting daily from nearby communities. Special features of the building include slanted, open-ceiling lines; planned intermingling of career and transfer curriculum areas; and faculty-student modules (lounge and study areas located near classrooms and faculty offices). All college facilities are fully accessible to students with disabilities.

Parkland's instructional classroom-laboratory wings, student services wing, and administrative offices are interconnected and joined to the centrally located College Center. This design enables travel between wings and the College Center without going out-of-doors, with the exception of the Donald C. Dodds, Jr. Athletic Center, the Tony Noel Agricultural Technology Applications Center, the Parkhill Applied Technology Center, and Parkland College on Mattis. The interior traffic patterns of the campus promote a mix of people with maximum student and faculty contacts. A close cooperation and working relationship exist between faculty and students in both transfer and technical areas. The overall openness and integration of laboratories and classrooms enhance both kinds of programs.

A new instructional wing was completed in January 2002 and joins the College Center on the first floor and the C Wing through a second floor bridge. Second floor connections to improve student flow between three other wings and the College Center were completed in fall 2001.

The Tony Noel Agricultural Technology Applications Center, on the west side of campus, opened for instruction in February 2001. The multi-purpose facility contains classrooms, computer lab, and a large laboratory for demonstrating agricultural equipment for Agriculture Training Institute workshops, short courses, and programs to serve the agricultural community in east central Illinois, as well as a training facility for the Diesel Power Equipment Technology programs. The Prairie Gardens Plant Lab opened for horticulture instruction fall semester 2006. A second building on the west side of campus, the 68,000 square foot Parkhill Applied Technology Center opened in fall 2012. In 2007 Parkland acquired the property at 1307-1319 N. Mattis Avenue. The building, called Parkland College on Mattis, is home to Parkland Business Training and Community Education, the Construction Education Alliance, the Illinois workNet Center, and several Parkland Health Professions programs.

Student Union

When entering the front door of the new Student Union on the east side of campus, students, employees, and visitors step into the middle of an outstanding, student-centered experience from application to enrollment to graduation. Whether meeting with an academic advisor, applying for financial aid, veterans benefits, participating in a student organization, studying, or dining, students enjoy spacious, bright, comfortable surroundings and smooth access to services designed to support their success.

Donna Hyland Giertz Gallery

The Giertz Gallery at Parkland College is located on the first floor of the College Center. It features exhibits of works by local, regional, and national artists. In conjunction with the monthly exhibits, there are gallery receptions and artist talks, offering Parkland students and faculty the opportunity to speak with artists about their work. The gallery has rotating exhibits each year, including a Parkland art faculty exhibit in the fall and two juried student exhibits in the spring. Other exhibitions include solo, two-person, and group exhibitions by nationally recognized artists. The handicapped-accessible gallery is free and open to the public. For additional information about exhibits and programming, please call the gallery office, 217/351-2485.

College Bookstore

The Parkland College Bookstore is located on the first floor of the Student Union. It offers new and used textbooks, general school supplies, and a wide variety of student-oriented merchandise such as college-imprint sportswear, academically priced computersoftware, gifts, general books, and snack foods. Call 217/351-2212 or visit www.parklandbookstore.com to check selection and book prices, to place an order, or for information about returns, book buy back, or hours.

Library

Parkland Library connects students with the information they need in school, work, and life. Located on the second and third floors of the College Center, the library offers space for quiet studying, group work, class preparation, and research. The library owns an extensive collection of books, magazines, newspapers, videos, music CDs, and other materials. There are over 50 computers with internet access, and the library is a campus wi-fi hotspot. Librarians teach research and information literacy skills in the 24-seat library classroom (R227), which serves as an open computer lab when not otherwise scheduled. Professional assistance in the use of library resources is available all hours the library is open. Online full-text resources are available 24/7. Questions can be sent by e-mail any time to "Ask a Librarian," at Library@parkland.edu, or text 217/615-0079. For more information see the library web page at www.parkland.edu/library or call the Library Service Desk at 217/373-3839.

Child Development Center

The Child Development Center is an accredited lab school located on the south side of the campus. The center provides a quality, affordable, individualized program for young children and their families in Parkland College District 505. One of the center's goals is to provide developmentally and educationally appropriate activities that meet the social, emotional, physical, and cognitive needs of the individual child. Enrollment is open to children, ages two through five years old, whose parents are residents of District 505 or are employees or students of Parkland College. For tuition rates, payment policies, enrollment procedures, hours, or to submit an online application go to www.parkland.edu/childdev. For other questions, please call 217/373-3777.

WPCD

WPCD 88.7, the radio voice of Parkland College, broadcasts 24 hours a day, 7 days a week, and streams online worldwide. With a power output of 10,500 watts, its signal covers much of east central Illinois, reaching close to 200,000 people. WPCD gives students the opportunity to participate in daily radio operations and learn about radio and the music industry. WPCD airs a variety of indie alternative college rock with the best hits of alternative music from the '90s, 2000s, and today. For more information call 217/351-2450 or visit wpcd.parkland.edu.

The William M. Staerkel Planetarium

The William M. Staerkel Planetarium is the second largest planetarium in Illinois. It is home to both a Carl Zeiss M1015 projector and a Digistar 4 full-dome projection system. This well-equipped multimedia facility provides unique educational programs and unusual audiovisual entertainment to the college and the community. Special programs are presented for school groups on weekdays during the school year. Programs for the public are shown on Friday and Saturday evenings. For more information, call 217/351-2446 or visit www.parkland.edu/planetarium.

Parkland College Theatre

The Parkland Theatre, a flexible proscenium theatre with 315 seats, is the performance home for Parkland theatre, choral, and instrumental groups and is also used by community arts organizations, speakers, guest professional artists, and theatre classes. Opened in spring 2015, a black box theatre, Second Stage, offers a flexible space for student learning and community engagement. More information about theatre facilities and tickets to events can be obtained by calling the ticket office, 217/351-2528 or at www.parkland.edu/theatre.

Center for Excellence in Teaching and Learning

The Center for Excellence in Teaching and Learning facilitates and enhances quality teaching, student learning, and excellence in the workplace. It empowers professionals to address challenges while fostering the scholarship of teaching and student service. Scholarship incorporates the reading of relevant literature and conducting systematic classroom investigations for the study of teaching and learning within a supportive academic community. The center uses faculty and staff feedback to design and implement an ongoing professional development system for all faculty and staff at Parkland College. The major strands of programming include assessment, student engagement, mentoring, orientation for faculty and staff, innovation and entrepreneurship, college mission and core values, leadership, technology, diversity, and all-college initiatives and dialogue.

The director and assistant director work with input from faculty, staff, administration, and the PCA Professional Development Committee to facilitate the award-winning professional development program. Professional development funds are administered by the Center for Excellence and are available on a limited basis to full-time faculty, part-time faculty, and staff.

For more information, call 217/373-3767 or e-mail centerforexcellence@parkland.edu.

Distance and Virtual Learning

Distance and Virtual Learning offers alternative modes of instruction to traditional classroom learning. Questions about alternative instruction may be directed as follows:

Registration questions: contact Admissions, U214, 217/351-2489, e-mail admissions@parkland.edu.

Technology questions: contact Tech Service Desk, 217/353-3333, techhelp@parkland.edu.

Online Courses

In online courses, students interact with their instructor and classmates through the Internet. There are usually no campus visits required. Students who take an online class will read lectures, submit assignments, take quizzes, and do other course activities online. Parkland online courses follow the same semester schedule as traditional classes, and students are required to complete work each week.

Online courses are the most convenient delivery method at Parkland, but also require the most time, self-discipline, and time-management skills. Because students never attend class on-campus (except in special circumstances) they need to be extremely motivated to do well in the course.

Online students are expected to have good reading, writing, and study skills. Students must keep up with the class reading; must meet assignment deadlines; and must read assignments and directions carefully. Online students should have good computer and Internet skills. Students should feel comfortable using a browser, know how to save files from the Internet to a local computer, and then open them using a different software program.

Hybrid Courses

Hybrid courses are designed for students who can be successful in online courses but wish to maintain personal contact with the instructor and other students. Hybrid courses are convenient but require more dedication and time-management skills than traditional classroom learning.

Hybrids are courses in which a significant portion of the learning activities have been moved online, and time spent in the classroom is reduced but not eliminated. Hybrid courses combine the best features of in-class teaching with the best features of online learning. Hybrid courses promote active, independent learning and reduce class seat time. Students are required to participate in class each week and to complete weekly coursework online.

Computer Technology Center

The Computer Technology Center was created to serve District 505 residents who want to complete computer training courses using a self-paced format. CTC courses are open enrollment, which means students may begin and complete coursework at their own pace. Courses range from keyboarding to advanced-level Microsoft Office applications. Students may visit the open classroom to complete coursework, study online, or both. An instructor is available during open classroom hours (Monday-Thursday, 10 a.m. to 7 p.m.; Friday, 9 a.m. to noon). Students choosing to complete the work online are welcome to come to the open classroom for help. For specific information about courses and hours, call the Computer Science and Information Technology department office at 217/353-2099, the CTC director at 217/351-2506, or visit us online at CSIT.parkland.edu/ctc.

PCTV

Parkland College Television (PCTV) is a 24-hour cable channel that delivers locally-produced educational programming, and community interest programming about the college to District 505 households. PCTV also offers satellite programming from Classic Arts Showcase, NASA-TV, and DW-TV. PCTV can be viewed on Comcast Cable channel 9, some Mediacom outlets on channel 10, and AT&T Cable channel 99. For a program schedule or to view programs online visit www.parkland.edu/pctv. For additional information call 217/351-2475. PCTV also operates a video production facility that provides training for students and instructional support for faculty.

Off-campus Facilities

Parkland maintains offices and offers classes, workshops, and other events at the following off-campus locations.

Parkland College on Mattis
1307-1319 N. Mattis Ave., Champaign, IL 61821

- **Business Training**
  217/351-2235
- **Community Education**
  217/353-2055
- **Construction Education Alliance (CEA)**
  217/351-2481
- **Health Professions**
  217/353-2240
- **Workforce Development**
  217/353-2119

Parkland College Foundation

The Parkland College Foundation was established in 1969 as a nonprofit, tax-exempt corporation to fill several critical needs at Parkland College and the communities Parkland serves. To meet the demands of the constantly changing educational climate, the foundation provides scholarships to deserving students, state-of-the-art technical equipment and program enhancements to the academic departments, capital for additional college buildings and wings, and funds to broaden educational and cultural opportunities and services to citizens of Parkland College District 505. By administering these resources to the college, the foundation hopes to enhance the economic development of communities within Parkland College's district as well as the quality of life of its residents. Inquiries concerning the foundation should be addressed to the foundation executive director or program manager, 217/373-3789 or 217/351-2458. The foundation office is located in the Student Union, U340.

Foundation Mission

The Parkland College Foundation generates funds to support student scholarships and fund academic excellence to benefit the communities served by Parkland College District 505.

Foundation Guiding Principles

- Appreciation
- Character
- Commitment
- Fairness
- Integrity
- Stewardship
- Transparency
- Trust

Parkland College Crest

Parkland College, established 1966

***The Lamp of Learning* — Parkland College**

Dedicated to teaching — an open, comprehensive community college, giving full regard to the needs of the individual student.

***The Torch and Atomic Rings* — Learning and the Sciences**

Knowledge, as an ancient tradition, passing man to man, encircled by the symbols of today — achievements of our technical world — seeking order and meaning in learning and in society.

***The Olive Branch and the Shield* — Peace and Civic Concern**

The individual student becoming an active, responsible, self-disciplined citizen, knowing his or her abilities and interests, preparing for employment and improving skills and understanding; the institution serving in community economic and cultural growth.

***The Ear of Corn* — The Community and its People**

Reflecting the needs and interests of all its citizens, planted and nourished by a committed public; the greater classroom for learning, a laboratory for out-of-class experiences; the present and future home of its students and alumni.

***The Tree on a Hill* — The Institution and its Setting**

Growing at the heart of the district and at the high point of the terrain, sensitive to its neighbors and environment, taking as its name "a community of learning in the open, public land."

Access to Parkland

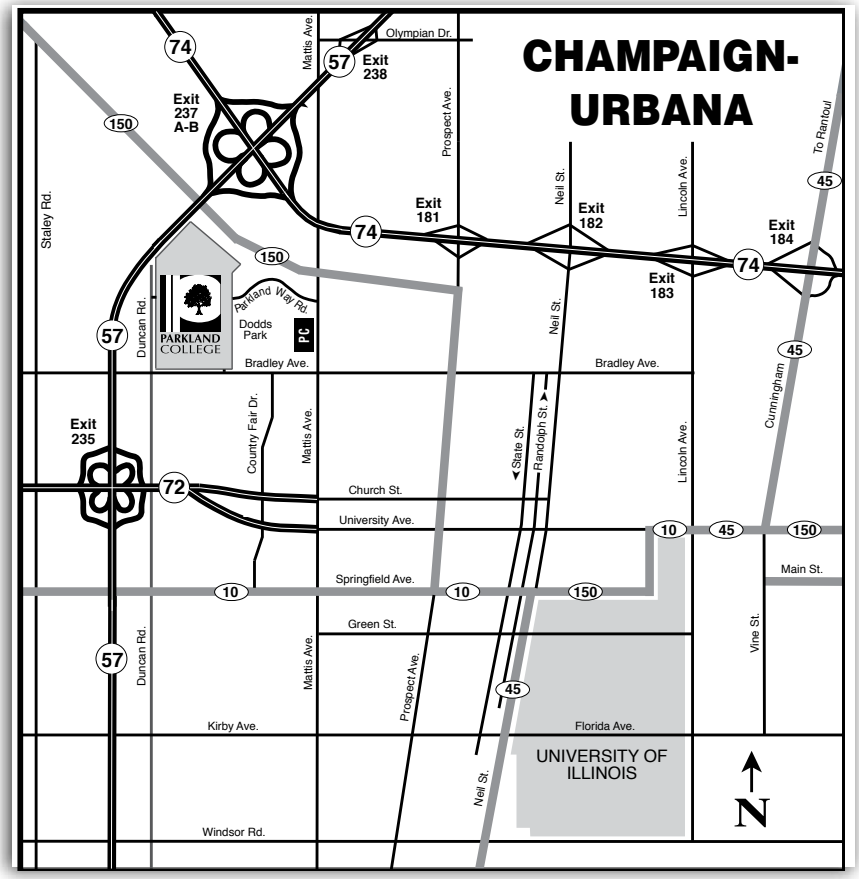
The Parkland College campus is located in northwest Champaign near the intersection of interstate highways 57, 72, and 74.

To reach Parkland from Interstates 57 and 72:

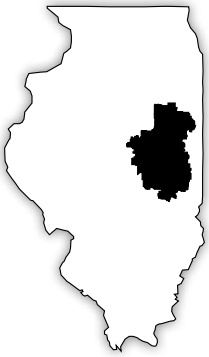
- From I-57, take Exit 235A to Champaign;
- On I-72, proceed east into Champaign (I-72 ends in Champaign);
- At the first traffic light, turn left onto Country Fair Drive;
- At the second traffic light, turn left onto Bradley Avenue;
- At the first traffic light, turn right into the Parkland College entrance.

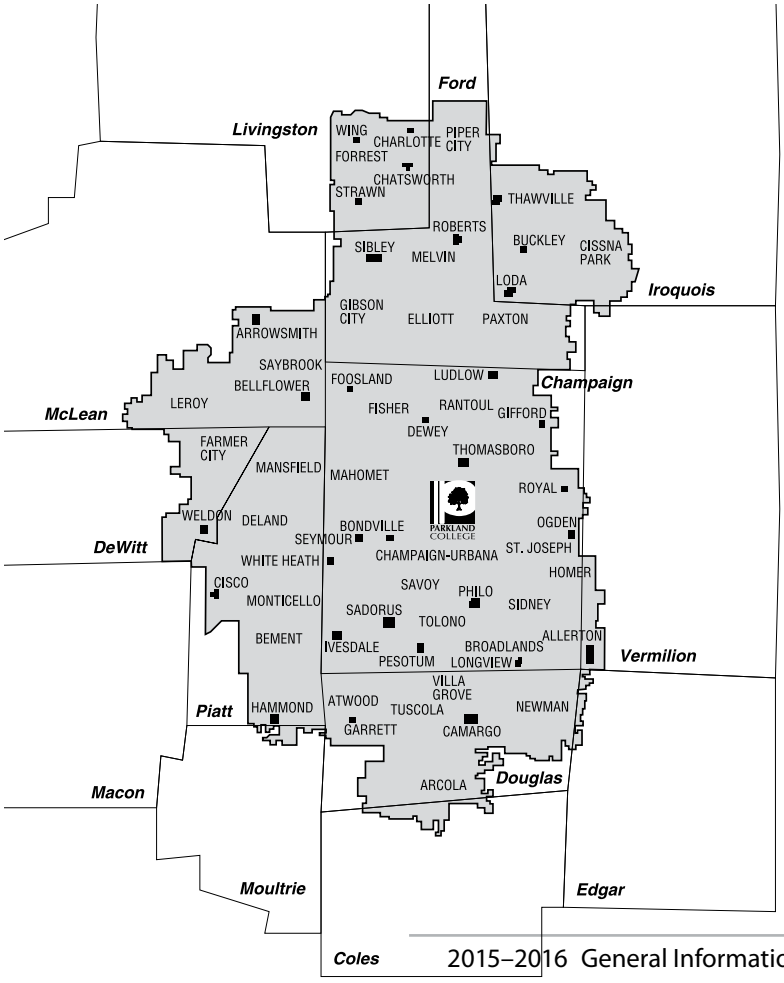
To reach Parkland from Interstate 74:

- Take Exit 181 to Champaign;
- At the first traffic light, turn south (left from the east and right from the west) onto Prospect Avenue;
- Travel south to Bradley Avenue and turn right;
- At the third traffic light, turn right into the Parkland College entrance.

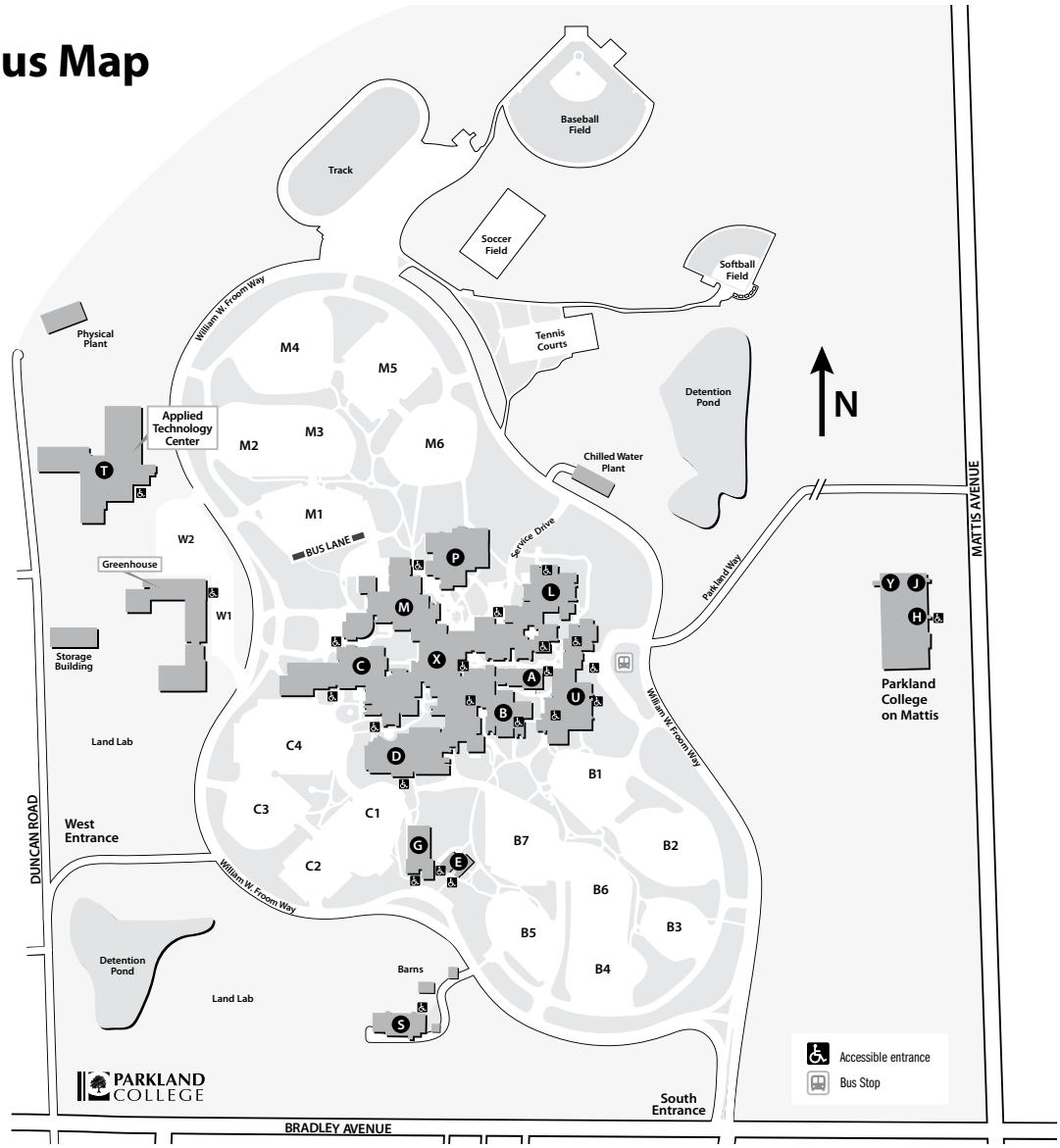


Parkland College District 505





Campus Map



A — Business Office

B — Business and Agri-Industries Department, Computer Science and Information Technology Department

C — Fine and Applied Arts Department, Humanities Department

D — Campus Technologies, Center for Academic Success, Center for Excellence in Teaching and Learning, Computer Technology Center, Conference Center, Distance and Virtual Learning, Social Sciences and Human Services Department, Photography and Graphic Design

E — Adult Basic Education/Literacy Center

G — Child Development Center

L — Health Professions Department, Natural Sciences Department

M — Mathematics Department, Engineering Science and Technologies

P — Donald C. Dodds, Jr. Athletic Center (Gymnasium, Athletics, Fitness Center)

R — (Above X) Library

S — South Building

T — Parkhill Applied Technology Center (Engineering Science and Technologies Department)

U — Student Union (Administrative Offices, Admissions and Records, Adult Re-entry Center, Assessment Center, Bookstore, Cafeteria, Career Center, Cashier Office, Counseling and Advising Center, Dean of Students, Disability Services, Dual Credit, Financial Aid and Veteran Services, Foundation, Grants and Contracts, Institutional Accountability and Research, Student Life, TRiO/Student Support Services, Wellness Center)

W — West Building (Tony Noel Agricultural Technology Applications Center, Diesel Power Equipment Technology, Prairie Gardens Plant Lab/Greenhouse Complex)

X — College Center, Giertz Gallery, Educational Video Center, Human Resources, PCTV, WPCD

Parkland College on Mattis — Business Training and Community Education (**J**), Construction Education Alliance (**Y**), Health Professions (**H**)

Accessibility

Location of mechanical doors for persons with disabilities:

- Entrance X-2 southwest of B wing, between B and X
- Southwest entrance to C Wing • West entrance to D Wing
- North entrance to M Wing • West entrance to P Wing
- Door to lobby A wing • East entrances to U Wing

Institutional Advancement

Contents

Institutional Advancement Directory

Vice President for Institutional Advancement
Seamus Reilly — room U332
sereilly@parkland.edu — 217/353-2170

Dean of Adult Education and Workforce Development
Tawanna Nickens — room I113
tnickens@parkland.edu — 217/351-2390

OFFICE / DIRECTOR

Institutional Accountability, Research, and Grants
Kevin Knott — room U323
kknott@parkland.edu — 217/351-2239

Business Training
Triss Henderson — Parkland College on Mattis
thenderson@parkland.edu — 217/353-2101

Community Education
Amy Fleshner — Parkland College on Mattis
afleshner@parkland.edu — 217/353-2054

Marketing and Public Relations
Patty Lehn — room X126A
plehn@parkland.edu — 217/353-2683

INTERNATIONAL EDUCATION

International Education Director
Seamus Reilly — room U332
sereilly@parkland.edu — 217/353-2170

Study Abroad Coordinator
Jody Littleton — room C129
jlittleton@parkland.edu — 217/351-2532

Adult Education and Workforce Development

Adult Education programs help adults throughout Parkland's district improve their lives through learning. Programs offer basic literacy, arithmetic, and English language instruction, as well as career/job and college skills classes that help students transition into certificate programs, better employment, post-secondary education, and beyond. High School Equivalency completion courses (GED®) are also available. All classes are free and noncredit. Day and evening classes are available on Parkland's campuses in Champaign and Rantoul, and at other outlying community sites.

To be eligible for Adult Education classes, students must be 16 or older, not enrolled in or required to be enrolled in secondary school under state law, and:

- lack sufficient mastery of basic education skills to function effectively in society, or
- not have a secondary school diploma or equivalent, and have not achieved an equivalent level of education, or
- be unable to speak, read, or write the English language

Free bus passes are available in the Champaign-Urbana area for enrolled students who are receiving public assistance or who can demonstrate need. For more information, call 217/351-2580 or visit www.parkland.edu/adulted.

High School Equivalency Completion – GED®

The new General Education Development (GED®) test was introduced in 2014. Free classes help students prepare those 16 and older to complete this new GED® test as well as the Illinois Constitution test. Passing both tests earns the High School Equivalency Certificate needed to pursue post-secondary education or employment/ career options. Staff and instructors assist students in determining current skill level, offer instruction to meet individual needs, and provide resources to help students progress beyond secondary level completion. Students may begin GED® preparation classes at any time throughout the semester.

Early School Leaver Transition Program

This program serves motivated out-of-school youth ages 16–21 who wish to earn their GED® while gaining valuable volunteer workplace experience and college or career readiness skills. Interested students must be available for placement in both a GED® preparation class and at a work site.

Integrated Career and Academic Prep System (I-CAPS)

Through the Integrated Career and Academic Prep System (I-CAPS), adult learners enroll in college-level credit courses while simultaneously working towards their High School Equivalency Certificate, or language skill acquisition. Parkland currently offers an I-CAPS pathway in welding. Students earn college credit and industry-recognized certification upon program completion.

English as a Second Language

Free English language classes are available to non-native English speakers. These classes focus on "survival" English and the acquisition of basic communication skills needed to function at the workplace and in neighborhoods and communities. Target skills include conversation, basic writing, and living/job skills.

Project READ

Project READ trains volunteer tutors to provide one-to-one tutoring to out-of-school adults who are 17 and older and want to improve basic reading, math, and English language skills. Individuals interested in volunteering as a 1:1 or classroom tutor or in improving skills with the help of a tutor in the community should call 217/353-2662 for more information.

Workforce Development

Parkland's Workforce Development unit, located at the Illinois WorkNet Center, partners with WIA organizations in District 505 to serve dislocated/underemployed workers and disadvantaged youth. The unit also coordinates grant-funded efforts that strengthen the workforce.

Business Training

1315 N. Mattis Ave., Champaign, IL 61821

Business Training provides customized, short-term, training and consulting for businesses and for working and transitioning professionals. Services include corporate and customized training and consulting for business and industry, government, nonprofit agencies, schools, and universities; courses for individuals who want to upgrade their job skills or train for a new career; special programs for the under- and unemployed, specifically, the Highway Construction Construction Careers Training Program; and the traffic safety program. For more information, call 217/351-2235 or visit www.parkland. edu/businesstraining.

Corporate and customized training and consulting classes can be held at Business Training or the customer's location. Topics include training in math, English, science, or other academic areas; workplace diversity; corporate leadership including management, supervision, teambuilding, and communication; Command Spanish and English as a Second Language; workplace safety/proficiency including forklift, confined space entry, crane operator, industrial maintenance, and defensive driving; topics for health professionals such as nitrous oxide sedation and IV insertion; computer skills including Microsoft software and programming languages; quality assurance and project management programs including Lean implementation, ISO certifications, Statistical Process Control, Six Sigma; and training and/or consulting specific to the customer's needs.

Public offerings are scheduled in advance and open to the public, including:

- Certifications and recertifications (CPR for Healthcare Providers, EPA Section 608, R-410 Safety Certification, Food Service Sanitation, and much more);
- Continuing education for accountants, certified nurse assistants, dental hygienists and assistants, massage therapists, and nurses;
- Pre-license education for Home Inspection, Real Estate Brokers, and Tractor Trailer Driver Training (Class A CDL);
- Professional development and career training (American Management Association Series, Computer Applications, Grant Writing, Leadership, Medical Coding, Medical Billing, Professional Pharmacy Technician, Property Management, Spanish, and Workplace Safety);
- Online career training programs offered through ed2go and UGotClass.

Highway Construction Careers Training Program is a pre-apprenticeship program grant funded by the Illinois Department of Transportation, and is designed to prepare individuals to enter into an apprenticeship with any of the trade unions. This ongoing program runs classes two times a year at no cost to the student. Classes run Tuesday through Friday from 7:50 a.m. to 4:30 p.m. for 14 weeks. Training includes Math for the Trades, Life and Interviewing Skills, Safety, Equipment, Construction Job Site Readiness, and Introduction to the Skilled Trades.

Traffic Safety Program provides two types of four-hour defensive driving courses: DDC-4 and Alive at 25, certified by the National Safety Council for those individuals who receive a moving violation and want to keep their driving record clean through court supervision. For individuals from 16-21 years old with a suspended driver's license, a six-hour Graduate to Safety Driver Remedial Education course is also available.

Community Education

1315 N. Mattis Ave., Champaign, IL 61821

Programming is directed towards individuals interested in pursuing hobbies, exploring new interests, and enriching their personal lives. Workshops range from one one-hour session to several class meetings, are not for college or vocational credit, and are not graded. Topics include artful living (arts, music, and dance), health and wellness, history, money matters, recreation and leisure, science, computer skills, and more.

Community Education also includes tours abroad, programs for retirees, and online noncredit courses. A complete listing of Community Education's offerings may be found in Parkland's noncredit class schedule. For more information, call 217/353-2055 or visit www.parkland.edu/communityed.

ACT Preparation. ACT prep classes for high school juniors and seniors include classroom instruction, take-home study materials, and pre- and post-tests to measure progress.

College for Kids. College for Kids (grades 3–8) offers two-week summer sessions with fun and educational programming in the arts, science, language, computers, and more.

Lifelong Learners. Special noncredit programming for those retired or nearing retirement, including travelogues, lectures, workshops, tours, and events.

International Education

Parkland College recognizes the profound importance of changes in the world's political, economic, cultural, and natural environments. Parkland College's international efforts assist faculty in internationalizing the content and perspective of their curriculum; help develop and promote opportunities for faculty, staff, and students to work and study abroad; sponsor international study-travel tours; welcome international students and visitors to Parkland's campus; and sponsor events providing information about international issues to members of the college community.

Parkland maintains memberships in several international education consortia and other organizations. The International Center (www.parkland.edu/international) website serves as a portal for Parkland faculty and students into the world of international possibility. For more information, call 217/353-2170.

Pre-college ESL

The ESL program offers a series of 3-credit-hour and 4-credit-hour courses in multiple skill areas for academic preparation. Students can enroll part-time or full-time; course placement is based on scores from either the ACT COMPASS/ESL test or TOEFL. The courses are available from beginning through advanced levels in grammar/writing, reading/vocabulary, and listening/speaking/pronunciation. Supplemental instruction through computer-based assignments and specialized electives may be available depending on student need. International students can apply to this program from their home countries or from other colleges in the United States Students do not need a TOEFL score to apply to the ESL program. For more information call 217/351-2217.

International Student Services

The International Student Services Office provides admission services and immigration advising for international students and applicants. For further information or assistance, call 217/351-2890.

Illinois Consortium for International Studies and Programs

Parkland College encourages students to explore the benefits of living and studying in a foreign culture. Students may choose a semester program in Canterbury, England, at Christ Church University College; a semester program in Salzburg, Austria, at Salzburg College; five-week summer sessions in Kyoto, Japan; Munich, Germany; or San Jose, Costa Rica; four-week summer sessions in Dijon, France; or short term study in Senegal, Denmark, or Ecuador. Students and community members who wish to set up an independent study abroad experience may use Parkland's Study Abroad resources by making an appointment with the study abroad coordinator, 217/351-2532.

To be eligible for these programs, the student must have completed a minimum of 12 credit hours, including ENG 101, with a cumulative grade point average of at least 2.75. Final determination of acceptance rests with Parkland. Information on Study Abroad can be found at www. parkland.edu/international/studyabroad, or call 217/351- 2532 or e-mail studyabroad@parkland.edu.

ICISP programs are available for study abroad in:

- Canterbury, England
- Carlow, Ireland
- Dijon, France
- Salzburg, Austria
- San Jose, Costa Rica
- Seville, Spain
- Sydney, Australia

All programs are endorsed by the Illinois Consortium for International Studies and Programs (ICISP) and provide Parkland College credit. Students who are interested in Study Abroad through ICISP should contact Jody Littleton at 217/351-2532.

Study Abroad

Parkland College faculty offer short-term study abroad opportunities in a number of different countries including Costa Rica, Japan, and Senegal. Interested students should contact Jody Littleton, study abroad coordinator, at 217/351-2532 or jlittleton@parkland.edu. Descriptions of programs are at www.parkland.edu/international/studyabroad.

Student Services

Contents

Student Services Directory

Vice President for Student Services
Linda Moore — room U334
lmoore@parkland.edu — 217/351-2551

Dean of Students
Marietta Turner — room U243
mturner@parkland.edu — 217/351-2505

Dean of Enrollment Management
Michael Trame — room U245
mtrame@parkland.edu — 217/351-2535

OFFICE/DIRECTOR

Admissions and Records
Tim Wendt — room U228
twendt@parkland.edu — 217/353-2625

Adult Re-entry Center
room U215
217/353-2666

Assessment Center
Michael T. Behrens — room U206
mbehrens@parkland.edu — 217/351-2433

Athletics
Rod Lovett — room P204
rlovett@parkland.edu — 217/351-2409
Baseball; Dance; Golf; Men's and Women's Basketball; Softball; Men's and Women's Soccer; Volleyball

Career Center
Sandy Spencer — room U241
sspencer@parkland.edu — 217/353-2637

Counseling and Advising Center
John Sheahan — room U276
jsheahan@parkland.edu — 217/351-2555
Academic Advising; Counseling

Disability Services
Cathy Robinson — room U264
crobinson@parkland.edu — 217/353-2082

Financial Aid and Veteran Services
Tim Wendt — room U291
twendt@parkland.edu — 217/353-2673

Public Safety
William P. Colbrook — room X109
wcolbrook@parkland.edu — 217/351-2369

Student Life
Thomas Caulfield — room U119
tcaulfield@parkland.edu — 217/351-2477
Housing; Orientation; Student Activities; Student Government; Student Publications; IDs; Wellness Center

TRiO/Student Support Services
Mary Catherine Denmark — room U252
mcdenmark@parkland.edu — 217/353-2267

Admission/Registration Information

Admission Policy

Admission is open to anyone who is a graduate of an accredited high school or is at least 18 years of age and able to benefit from college-level instruction. High school students under the age of 18 who have not earned a high school diploma or GED may request an exception to the admissions policy of the college. They must complete, prior to registration, the Underage Enrollment Approval form which may be obtained from the Office of Admissions and Records (U214; 217/351-2482).

All students seeking a credential (degree or certificate) at Parkland must be assessed according to the Comprehensive Assessment Policy (see p. 43). Students who qualify for Adult Education classes (see p. 18) will not be considered eligible for degree or certificate-seeking status, but instead will be changed to a "Course Enrollee" status by the Office of Admissions and Records.

Admission to the college does not ensure admission to a particular course or program of study; some students may be required to enroll in specific courses before taking others. Admission to health career programs is selective; see Health Career Program Admission information (see p. 23).

Because of state regulations, students who apply to Associate in Arts, Associate in Science, Associate in Engineering Science, or Associate in Fine Arts degree transfer programs will be accepted to the college but may be admitted to the program on a provisional basis until certain minimum entrance requirements are satisfied. See Transfer Program Admission on p.25.

Should it be necessary to limit enrollment, priority will be given to residents of Parkland College District 505.

International students are welcome at Parkland. The college is authorized under federal law to enroll non-immigrant students. Prospective international students should contact the international student services advisor in U214 (217/351-2890) to discuss their eligibility for admission.

Parkland does not discriminate in the admission of students on the basis of race, color, national origin, age, gender, gender expression, sexual orientation, religion, veteran status, Vietnam veteran era, marital status, ancestry, or disability. Information regarding admission to the college and to specific programs may be obtained from the Office of Admissions and Records (U214; 217/351-2482).

Each student is encouraged to consult with a Parkland counselor or advisor in the selection of a program consistent with the student's interests and abilities.

Transfer Program Admission

Illinois state law (Public Act 86-0954) specifies that 15 units of high school course work or the equivalent are required for admission to all public institutions. This act affects students at Parkland who wish to be admitted to an Associate in Arts, Associate in Science, Associate in Engineering Science, or Associate in Fine Arts (transfer) program.

Parkland College's minimum entrance requirements for students who wish to enroll in A.A., A.S., A.E.S., or A.F.A. programs are as follows:

- Four years of English — written and oral communications, literature
- Three years of mathematics — minimum of one year of Algebra I, one year of geometry, and one year of Algebra II (intermediate algebra)
- Two years of science — laboratory science
- Two years of social studies — history and/or government
- Two years of electives — foreign language, music, art, or vocational education
- Two flexible academic units — two additional courses (years) from any one or two of the science, social studies, and/or electives categories in addition to approved courses in mathematics and English such as advanced mathematics, computer science, journalism, speech, and creative writing.

This requirement pertains only to A.A., A.S., A.E.S., and A.F.A. degree transfer programs; it does not affect the career programs (A.A.S. or certificates) or the Associate in General Studies (A.G.S.) program.

Health Career Program Admission

Admission to Parkland's health career programs (Dental Hygiene, Dietary Manager, EMT-Basic, EMT-Paramedic, Massage Therapy, Medical Assisting, Nursing, Practical Nursing, Occupational Therapy Assistant, Radiologic Technology, Respiratory Care, Surgical Technology, and Veterinary Technology) involves special procedures and deadlines. Those considering applying to a health career program should obtain a copy of the checklist explaining admission procedures for their specific program from the Office of Admissions and Records. The application deadline for most health professions programs is March 1 prior to fall semester enrollment. Programs with spring semester admissions also have an October 1 application deadline.

Most programs require a $20 nonrefundable processing fee that must be submitted with the application for admission. The application will be processed only after this fee has been paid. This fee will be assessed only once, unless a period of five years or more has elapsed since the last fee assessment. NOTE: Students seeking admission to Kankakee's Medical Laboratory Technology program must apply through Kankakee Community College.

Persons seeking admission to a health career program are encouraged to submit all required credentials as early as possible. Once the selection process begins, qualified applicants will continue to be accepted on a monthly basis until programs are filled.

Students considering application to a health career program need to be aware of potential legal limitations on licensure. Upon making application for the licensure exam, graduates may be required to provide personal history information by answering the following questions:

1. Have you been convicted of any criminal offense in any state or in federal court (other than minor traffic violations)?
2. Do you now suffer, have you suffered from, been diagnosed as having, or been treated for any disease or condition which is generally regarded by the medical community as chronic, i.e., (1) mental or emotional disease or condition, (2) alcohol or other substance abuse, (3) physical disease or condition that presently interferes with your ability to practice your profession?
3. Have you been denied a professional license or permit, or privilege of taking an examination, or had a professional license or permit disciplined in any way by any licensing authority in Illinois or elsewhere?
4. Have you ever been discharged other than honorably from the armed service or from a city, county, state, or federal position?
5. Are you a U.S. citizen or a lawfully admitted alien of the United States?

The Illinois Nurse Practice Act and Rules state that the Illinois Department of Professional Regulation may refuse to issue a license because of any "deceptive statement in any document connected with the practice of nursing pursuant to this Act." Students should also be aware that many health care institutions now require drug and alcohol screening as well as a national criminal background check.

On the first day of class of the nurse assistant (CNA) course (NAS 111), students are required to complete a live scan fingerprint background check.

More information about selective admissions can be found on p. 163.

Application Procedure

Degree/Certificate Students

The applicant who intends to earn a degree or certificate from Parkland must submit the following credentials to the Office of Admissions and Records and complete the admission process before registering for courses:

1. A completed Admission Form, which is available at the Office of Admissions and Records (U214; 217/353-2625) or online at www.parkland.edu/getstarted.
2. An official high school transcript forwarded by the high school last attended or a General Educational Development (GED) Score Report. *Hand-carried or "Issued to Student" transcripts are not acceptable for admission to Parkland.*
3. Official transcripts forwarded from colleges and universities previously attended, if credit earned there is to be used toward a degree or certificate at Parkland. *Hand-carried or "Issued to Student" transcripts are not acceptable for admission to Parkland College.* Transfer credit may be accepted from another college or university accredited by a regional accrediting association (e.g., Higher Learning Commission, etc.). If the credit is not earned from such an institution, the transcript will not be evaluated nor will transfer credit be accepted. In addition, for credit to be applied toward a degree or certificate at Parkland, the credit must have been earned at the time the institution was accredited. Transcript Evaluation Request forms may be obtained from the Office of Admissions and Records.

It is recommended that the applicant also submit ACT scores forwarded from the American College Testing program. If the Parkland code of 1015 is listed as a college choice when the ACT test is taken, the results will be sent automatically to the college. While not required for admission, the ACT scores are recommended because they can be used in certain cases instead of placement tests and can be used as an aid to students and counselors in selecting a program.

All admission credentials should be on file in the Office of Admissions and Records at least four weeks prior to the first day of classes. *Registration is usually not permitted until credentials are complete.*

Nondegree Students

The applicant who does not intend to earn a degree or certificate from Parkland must submit an Admission Form to the Office of Admissions and Records and complete any required assessment before registering for courses. *Students enrolling as nondegree will not be eligible for financial aid.* To change from nondegree- to degree-seeking, a new application must be filed and supporting documentation presented (see Application Procedure Degree/Certificate Students).

Returning Students

Before registering for classes, students who have discontinued their attendance at Parkland should make an appointment with an admissions advisor (U214; 217/351-2482) to begin the reinstatement process.

International Students

The international student services advisor provides admission services to all international students who need assistance with immigration regulations. For further information and assistance, call 217/351-2890. Academic advising and assistance with placement into Intensive English as a Second Language (ESL) or college ESL are provided by the international student academic advisor in the Counseling and Advising Center. Call 217/351-2219.

Advising Guidelines

Academic advising at Parkland is a shared responsibility. The faculty, department chairs, the Center for Academic Success, and the Counseling and Advising Center each share the task of providing academic advice to students.

All Parkland students who are seeking a degree or certificate and who have not yet earned 30 hours of credit or are in selected programs regardless of number of hours earned must obtain advising prior to registering for classes. The following guidelines identify whom students should see for advice prior to registration:

- Students enrolled in an A.A.S. or Certificate program should see the faculty program advisor for their program or the appropriate department chair. If students are in a career program and are currently enrolled in a Critical Comprehension Skills (CCS) class, they should seek advice from the Counseling and Advising Center.
- Students enrolled in an A.A., A.S., A.E.S., or A.F.A. transfer program may seek advice from a faculty program counselor, or an advisor. Agriculture transfer students must see a faculty program advisor or the Business and Agri-Industries department chair.
- Students enrolled as applicants in a health professions program may seek advice from the Counseling and Advising Center.
- Students currently enrolled in CCS 098 should seek advice from the Center for Academic Success. Students currently enrolled in CCS 099 should seek advice from the Counseling and Advising Center.
- Students who are new to Parkland and are seeking a degree or certificate must see a counselor or advisor. New student athletes receive initial academic advice through the athletic department.

Parkland students who are not seeking a degree (course enrollees) and students who have earned more than 30 credit hours are not required to see a faculty program advisor, department chair, advisor, or counselor prior to registration. However, students in the Health Professions programs must see a faculty program advisor regardless of the number of credit hours they have earned.

Registration Procedure

Assessment and Registration

Before new students can register for classes, their reading, writing, and mathematics skills must be assessed. See the Comprehensive Assessment Program (CAP) on page 47. Using their placement test results and in consultation with an advisor or counselor, students then select and reserve courses.All degree-seeking students are required to complete S.O.A.R.— Student Orientation, Advising, and Registration. Registration is complete upon payment of tuition and fees.

Registration Guidelines

Students are encouraged to plan for classes and register early. Check class schedule for specific dates and times.

Auditing a Class

Students planning to audit a class may register for that class on a *space-available* basis at any time during the registration period. Students must meet the admission requirements of the college and the course prerequisites and pay the same tuition and fees as students enrolled for credit. Once registered, a student may not change from audit to credit status or vice versa. Students who are Monetary Award Program recipients should be sure to check with the Office of Financial Aid and Veteran Services before signing up to audit a course.

My.parkland.edu

Parkland College's online system, my.parkland.edu, allows students to register and obtain information even when campus offices are closed. The registration and drop options are not available at all times.

Student Responsibility

Students bear full responsibility for any complications that arise because of their failure to follow established policies, procedures, course requirements and prerequisites, or the advice of counselors or academic advisors. The college does not consider lack of student awareness as sufficient reason to waive any requirement or make exception to any policy or practice.

Class Schedule Information

Detailed registration procedures are described in the Parkland College class schedule published for each semester. Students are responsible for becoming familiar with all dates, deadlines, and procedures related to registration.

Release of Information about Students

Student Records

Educational records are maintained by the Office of Admissions and Records in U214. In accordance with the college policy and state and federal regulations, student records are maintained in a manner that protects the privacy of students and provides eligible students access to the information recorded. For further information, consult the Family Educational Rights and Privacy Act (FERPA) — What You Should Know booklet available in the Office of Admissions and Records.

Privacy Act

The Family Educational Rights and Privacy Act (PL 93-380) includes provisions that protect the privacy of students. These include: 1) The right to inspect and review their education records within 45 days of the day the college receives a request for access. 2) The right to request the amendment of their education records that they believe are inaccurate. 3) The right to consent to disclosures of personally identifiable information contained in their education record, except to the extent that FERPA authorizes disclosure without consent. An exception is disclosure to school officials within the college who have a legitimate educational interest. 4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the college to comply with the requirements of FERPA.

When a student seeks or intends to enroll in another academic institution, officials of that institution may request educational records of the student from the college and the college may disclose these records without the consent of the student.

Public Directory Information

Parkland defines public directory information as name; address; telephone numbers; major field of study; dates of attendance; enrollment status (full- or part-time); degrees, honors, certificates received or anticipated; e-mail address; weight and height if athletic team member; participation in officially recognized activities and sports; institutions previously attended; photo ID.

One provision of the Family Educational Rights and Privacy Act requires educational institutions to allow students who are currently enrolled to suppress certain information regarded as public directory information. Only a student who is currently enrolled at Parkland College may suppress the above public information items by completing and submitting a Public Directory Information form *prior to the second week of class (fifth day of class for summer sessions).* Forms may be obtained from the Office of Admissions and Records in U214, or online at www.parkland.edu/admissions/forms.

Concurrent Enrollment at Parkland and the University of Illinois

The University of Illinois at Urbana-Champaign (Illinois) and Parkland College have a concurrent enrollment agreement that permits Parkland students to enroll in university courses that are not available at Parkland. Similarly, Illinois students may enroll in selected Parkland courses. Enrollment is on a space-available basis at each institution.

During each semester for which concurrent enrollment is sought, the student must register for at least as many (and normally more) semester hours at the principal institution and meet the admission requirements of the cooperating college. Students are required to pay the tuition and fees regularly assessed at each institution in accordance with the number of semester hours taken. The application fee for the University of Illinois, however, will be waived for Parkland students. International students will be assessed tuition and fees according to the residency regulations as established by Parkland College. To determine the appropriate rate of tuition and fees, international students should contact the Office of Admissions and Records (217/351-2482; U214) for information on residency classification before registering.

Parkland Students

Parkland students wishing to enroll on a concurrent basis at the University of Illinois should do the following for each semester they wish to attend:

1. Enroll at Parkland for the semester being considered.
2. Consult their counselor or advisor to discuss the procedures and advisability of concurrent enrollment and determine the course desired and its availability.
3. Request the director of Parkland's Counseling and Advising Center (U276) to sign the completed Concurrent Enrollment form.
4. Request the appropriate assistant or associate dean of the University of Illinois college which offers the desired course to sign the completed Concurrent Enrollment form.
5. Once the request is approved, the Concurrent Enrollment form and a completed nondegree application for admission must be presented to the Office of Admissions at the University of Illinois, 901 W. Illinois, Urbana, Illinois.
6. Students seeking concurrent enrollment may register during the late registration period. If registration is completed by the end of the first week of late registration, the late registration fee will be waived.
7. This procedure must be followed at the beginning of each semester the student wishes to concurrently enroll. If a student was concurrently enrolled during the previous semester at Illinois, the student may not need to complete a nondegree application for admission. (Check with the University of Illinois Office of Admissions.)

University of Illinois Students

University of Illinois students wishing to enroll on a concurrent basis at Parkland College should do the following for each semester they wish to attend:

1. Enroll at the University of Illinois for the semester being considered.
2. Consult their academic advisor to discuss the procedures and advisability of concurrent enrollment and determine the course desired and its availability.
3. Download a Concurrent Enrollment form from the Parkland College website.
4. Print an Academic History from University of Illinois Self-Service.
5. Present the Academic History, the Concurrent Enrollment form, and a completed application for admission as a nondegree student to the Office of Admissions and Records at Parkland College (U214).
6. Students seeking concurrent enrollment may register during the open registration period. (Check the class schedule for dates and times.)
7. This procedure must be followed at the beginning of each semester the student wishes to concurrently enroll. If a student was concurrently enrolled during the previous semester at Parkland College, the student will not need to complete an application for admission.
8. To receive fee adjustment, students must submit concurrent enrollment forms within 30 days of the beginning of the semester in which the student enrolls. Forms submitted after that time will not be valid for fee purposes.

Reserve Officers Training Corps (ROTC) Registration

Classes are offered in cooperation with the University of Illinois and its three ROTC detachments (Air Force, Army, and Navy). Students register with Parkland College, but instruction is conducted at the university's Armory. Upon completion of the first- and second-year courses, the student may be qualified to enter the third- and fourth-year Professional Officer program. See the courses section for course information.

Students who enroll in first- and second-year ROTC classes while attending Parkland College and transfer the following semester to an Illinois college or university and commit to the third- and fourth-year Air Force, Army, or Naval ROTC program, are eligible to apply for one of three Illinois State ROTC Community College Transfer Scholarships. Contact the Office of Admissions and Records (217/351-2842; U214) for additional information.

Tuition and Fees

General Information

Parkland College is a public institution supported by both district and state tax funds. Because of this, resident students can further their education without incurring large financial obligations. Courses are available to all residents of District 505 at a tuition rate of $125 per credit hour. (Tuition and fees as indicated in this catalog are subject to change by the Parkland College Board of Trustees.) The following fees per credit hour are charged in addition to tuition: $1.75 activity fee, $1.75 registration fee, $5 facility fee, and $7 technology fee. Residents of District 505 will pay a total of $140.50 per credit hour in tuition and fees.

In addition, course fees are charged for most courses to help defray costs of supplies, equipment, maintenance, and unusual expenses associated with the course. The fee is indicated for each course in the Parkland College class schedule.

Note: All classes taken in preparation for the GED test are free. Refer to the section on Adult Education on p. 18 for more information.

When students register for classes, they agree to assume financial responsibility for all related tuition and fee charges billed to their student accounts. If tuition and fees are not paid by published deadlines, it is likely that classes will be dropped from the student's schedule. However, students should not assume that classes are automatically dropped for non-payment or non-attendance. If they decide not to attend classes, they must officially drop the classes within the stated refund period to ensure cancellation of tuition and fees. Classes not dropped will be graded and students are responsible for all associated tuition and fees.

Students may elect to pay their account balances with Financial Aid, Nelnet Deferred Payment Plan, and/or outside agencies. However, students are responsible for making these financial arrangements and staying on top of their account balances. Students receiving, or anticipating receipt of, tuition assistance from agencies outside of Parkland or out-of-district chargeback authorizations must have written authorizations from the agency on file at the Cashier Office prior to registration or must have the written authorization in hand when they come to register. Authorizations for tuition assistance should be renewed through the agency at the end of each authorized period. Students will be required to pay their own tuition and fees to register if authorizations for tuition assistance have expired.

For all checks returned by the bank for nonsufficient funds, a $15 service charge is assessed. Failure to pay nonsufficient funds checks could result in students being administratively withdrawn from their classes. In addition, if collection on the checks is turned over to a collection agency, the collection agency fee will be added.

If Cashier Office records show that a student owes money to the college, college policy prohibits the release of grades, academic records, and processing of graduation for that student. In addition, students will be denied permission to register for classes. A student who owes money to the college should contact the cashier (U247; 217/351-2233 or 217/351-2420) for more information.

Nelnet Deferred Payment Plan

Students may sign up with Nelnet to budget tuition and fees for up to five months per semester, interest-free. Payments are automatically deducted from checking, savings, or credit card. There is a $25 per semester nonrefundable fee to use the Nelnet service. For more information see www.parkland.edu/nelnet or call the Cashier Office at 217/351-2233.

Course Repeat Fee

Illinois community colleges receive state apportionment support for each student who is in certified attendance at midterm in a course plus one repeat enrollment under certain conditions. However, when a student exceeds the limit of Illinois Community College Board-approved repeat enrollments in a course, the student will be assessed a course repeat fee equal to the state apportionment for the course, rounded to the nearest dollar.

Non-repeatable Courses

If a student earns an **A**, **B**, or **C** in a course identified as non-repeatable and wishes to repeat the given course, the student will be assessed a course repeat fee in addition to the tuition and course fees.

For a grade of **D**, **F**, or **W** (any grade other than A, B, or C) in first enrollment, the student is not assessed a course repeat fee for the first repeat, but is assessed the course repeat fee for the second or any subsequent repeat of the course.

Repeatable Courses

The student will be charged a course repeat fee in addition to the tuition and course fees as soon as the repeat-enrollment limit has been exceeded for the given course. Exceptions may be recommended by a department chair or the director of counseling and advising.

Tuition and Fee Charges

Residence Classification	*Charge Per Credit Hour*
Parkland College District 505 (see map on p. 15)	$140.50
Nonresident of District 505, but resident of Illinois	$336.50
Nonresident of Illinois, but United States resident	$499.50
Nonresident alien	$499.50
Nonresident in Ford ASSET program	$192.50
Nonresident in Case New Holland program	$192.50

Residence Classification for Online Classes	*Charge Per Credit Hour*
Resident of Parkland College District 505 (see map on p. 15)	$140.50
Nonresident of District 505, but resident of Illinois	$192.50
Nonresident of Illinois, but United States resident	$282.50
Nonresident alien	$282.50

Residence Classification

A resident of District 505 is one who has established a permanent dwelling place (domicile) in the district and shows evidence of continuing intent to remain in the district. Individuals must prove they reside in District 505 for other than educational purposes, and if they are under 21 years of age, must prove they are independent of parents or guardians. A map of District 505 appears on p. 15. Evidence of the applicant's residency should be submitted to the Office of Admissions and Records.

A student who takes exception to nonresidency ruling should pay the applicable fee and then file an Application for Change of Residence Classification, claiming a refund of the portion in excess of the resident rate. Appeals must be made within 30 calendar days (15 days for summer terms) from the date instruction begins for the term for which the rate is assessed. Requests for current semester consideration filed after the 30 calendar day period will not be accepted. All appeals must be accompanied by documentation to support the request. A refund will be provided only if a change of residence classification is granted.

Information on residence classification is available from the Office of Admissions and Records (U214) and online.

Additional Charge for Nonresident Students

Illinois students who are not residents of District 505 must pay an additional charge to cover the difference between the regular tuition and state support and what it costs the college to provide instruction. The additional charge is not assessed for students who obtain an approved Authorization for Partial Student Support (commonly called a chargeback) from their local community college district. A chargeback may be obtained to attend Parkland if the program of study the student wants is not available at his or her community college. To obtain chargebacks, students should apply to their local community college at least 30 days before the start of the term they expect to enroll at Parkland.

If the community college in a student's district has a *cooperative agreement* with Parkland for the student's program of study, the proper forms should be obtained from the community college in the student's district and submitted to the Parkland Office of Admissions and Records. See p. 52 for a list of community colleges and cooperative agreements.

For the 2015–2016 academic year, Illinois students who are not residents of District 505 will be assessed an additional $196 per semester hour. For out-of-state students and International citizens, the total additional assessment is $359 per semester hour.

Tuition for Senior Citizens

Residents of District 505 who are 65 years of age or older may enroll in classes (excluding workshops and noncredit classes) by paying a semester registration fee of $5 in addition to any course fee required. Details of the program may be obtained from the Office of Admissions and Records.

Refund Policies: Tuition and Fees

- There will be a full refund of tuition and fees for any course cancelled by the college.
- If a student owes money to the college, the refund will be withheld.
- No refund will be granted when a student is dismissed or suspended from the college for disciplinary reasons.

A student who believes an exception should be made to the refund policy should complete a Request for Billing Adjustment form available from the cashier (U250).

Credit Courses

The following refund policies apply to fall and spring full-semester and part-semester courses and summer courses.

- A 100 percent refund of tuition and fees will be made if an official drop without record occurs during the first week of the class session regardless of when the first class meeting is scheduled.
- No refund of tuition and fees will be made for official withdrawal from credit courses after the first week of the semester.

Noncredit Courses

- There will be a full refund for any noncredit workshops/courses cancelled by the college.
- A 100 percent refund of tuition will be made if an official drop is made before the first day of the workshop/course.
- No refund will be made if the drop is made after the workshop/course has started.

American Opportunity Tax Credit and Other Educational Tax Benefits

The American Opportunity Tax Credit originally modified the existing Hope Credit for tax years 2009 and 2010. This was later extended through 2017, making the benefit available to a broader range of taxpayers, including those with higher incomes and those who owe no tax. It also adds required course materials to the list of qualifying expenses and allows the credit to be claimed for four post-secondary education years instead of two. There are a variety of tax credits, deductions, and savings plans available to taxpayers to assist with the expense of higher education.

- A tax credit reduces the amount of income tax a student or family may have to pay.
- A deduction reduces the amount of personal income that is subject to tax, thus generally reducing the amount of tax the student may have to pay.
- Certain savings plans allow the accumulated interest to grow tax-free until money is taken out (known as a distribution), or allow the distribution to be tax-free, or both.
- An exclusion from income means that the student won't have to pay income tax on the benefit the student is receiving, but the student will also not be able to use that same tax-free benefit for a deduction or credit.

Other tax benefits include the Lifetime Learning Credit, Exemption of Employer-Provided Assistance, Exemption of Scholarships and Tuition Remission, and Deduction of Student Loan Interest. Visit the Tax Benefits for Education: Information Center online at www.irs.gov for more information.

Financial Assistance

Parkland College administers comprehensive financial aid programs that include grants, loans, scholarships, and part-time employment. The purpose of these programs is to assist students who, without such aid, would be unable to attend college.

However, Parkland strongly believes that students and their families have primary responsibility for providing financial support in acquiring a college education. Information may be obtained from the Office of Financial Aid and Veteran Services (U286; 217/351-2222) or by visiting www.parkland.edu/financialaid.

Eligibility

To be eligible for most financial assistance programs from Parkland, a student must:

1. Be degree-seeking and enrolled or accepted into an eligible degree or certificate program at Parkland.
2. Complete a Free Application for Federal Student Aid (FAFSA) and list Parkland as one of the school choices. The FAFSA may be completed online at www.fafsa.gov. Campus-based aid is distributed to eligible applicants on a first-come, first-served basis. Parkland's school code is 007118.
3. If requested, forward to the Office of Financial Aid and Veteran Services signed copies of the applicant's federal tax transcript and, if a dependent, his or her parents' federal tax transcript.
4. Maintain satisfactory progress. (see p. 30)
5. Demonstrate financial need. Financial need is considered to be the difference between one academic year's educational expenses (tuition, books, fees, room and board, commuting costs, etc.) and the applicant's resources for the same period (aid from parents, savings, trusts, grants, personal earnings, etc.) as documented in the applicant's Free Application for Federal Student Aid.

Student Rights and Responsibilities

Some important factors should be considered when contacting Parkland for information concerning enrollment. Education is a large investment of time, money, and effort, and every student should carefully evaluate his or her potential commitment. In making this decision, the student should find out about the school's academic programs, facilities, cost, job placement services, refund policy, and financial aid programs.

The student has the right to ask the college:

- what the cost of attending is and what the refund policy for students who drop or withdraw is
- what financial assistance is available, including information on all federal, state, local, private, and institutional financial aid programs
- what the procedures and deadlines for submitting applications for each available financial aid program are
- what criteria are used to select financial aid recipients
- how it determines financial need, that is, how costs (tuition and fees, room and board, travel, books and supplies, and personal and miscellaneous expenses) and what resources (such as parental contribution, other financial aid, assets, etc.) are considered in the calculation of need
- how much of a student's financial need, as determined by the institution, has been met
- to explain each type and amount of assistance in a financial aid package
- in the case of a loan, what the interest rate is, the starting date of repayment, the duration of repayment, and any cancellation and deferment provisions
- in the case of work-study, the type of job available, its working hours, duties, and the rate, time, and frequency of payment
- to reconsider a financial aid package, if a mistake has been made
- how the school determines if a student is making satisfactory progress and the consequences of unsatisfactory progress
- what special facilities and services are available to a student with disabilities

Along with these consumer rights, students must realize there are responsibilities assumed in order to qualify for and receive any award.

It is the student's **responsibility** to:

- review and consider all information about a school's program before enrollment
- pay special attention to the application for student financial aid, completing it accurately and submitting it on time to the right place (errors can delay financial aid payments)
- provide all additional documentation, verification, corrections, and/or new information requested by either the Office of Financial Aid and Veteran Services or the agency to which the application was submitted
- read, understand, and keep copies of all forms that must be signed
- accept responsibility for the promissory note and all other agreements that are signed
- notify the lender, in the case of a loan, of changes in name, address, or educational status
- perform in a satisfactory manner the work that is agreed upon in accepting a Federal Work-Study job
- know and comply with the school's refund/repayment policy
- know and comply with the school's satisfactory progress policy (see p. 30) for financial aid recipients

Release of Financial Information

The Office of Financial Aid and Veteran Services will release information about the financial status of a student to those parties within the college concerned with financial welfare as related to the student's attendance at Parkland. Inquiries

from off-campus agencies and individuals such as landlords will be answered only if the student has completed a Consent to Release Information form, which is available from the Office of Financial Aid and Veteran Services in U286.

Major Financial Aid Programs

Parkland administers a variety of federal and state programs, along with many special scholarships just for Parkland students.

Monetary Award Program (MAP). The MAP is awarded by the Illinois Student Assistance Commission (ISAC) and is designed to pay tuition and mandatory fees at Parkland for Illinois students, subject to funding levels by the state of Illinois.

Federal Pell Grant. The Federal Pell Grant is designed to help pay college-related expenses. The exact dollar award is determined by the student's class load and the Expected Family Contribution (EFC) as calculated by the federal government.

NOTE: The amount of Federal Pell Grant funds a student may receive over the student's lifetime is limited by a new federal law to the equivalent of six years of Pell Grant funding.

Federal Work-Study (FWS). As a campus-based program, FWS is awarded through the Office of Financial Aid and Veteran Services in the form of part-time employment. Students who participate generally work from 10-19 hours per week and are paid twice a month. The actual FWS award is based on demonstrated financial need.

Federal Supplemental Educational Opportunity Grant (FSEOG). As a campus-based program, the SEOG is awarded to students who have exceptional financial need. SEOG awards depend on the amount of funds available.

William D. Ford Direct Loan Program. Students enrolled in eligible college transfer or vocational/technical programs may apply for this loan. Depending upon demonstrated financial need and academic program length, dependent/independent freshman students may borrow up to $5,500/$9,500. Dependent/independent sophomores may borrow up to $6,500/$10,500 with demonstrated financial need. Repayment begins six months after the student drops below half-time student status, but there are deferment provisions. Monthly repayment varies with the total amount borrowed.

Application for the Direct Loan at Parkland begins when applying for financial aid on the Free Application for Federal Student Aid. All applicants must have a Federal Pell Grant eligibility determination made before loan processing can be completed. First-time Parkland borrowers must complete loan entrance counseling before receiving their first check. Direct loans are made through the U.S. government.

NOTE: If a student is a first-time borrower on or after July 1, 2013, there is a limit on the maximum period of time (measured in academic years) that the student can receive Direct Subsidized Loans. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. If this limit applies to a student, the student may not receive Direct Subsidized Loans for more than 150 percent of the published length of the student's program. This is called the "maximum eligibility period." A student's maximum eligibility period is based on the published length of the student's current program. The student can find the published length of any program of study in the college catalog.

Direct Parental Loan for Undergraduate Students (PLUS). PLUS loans are available to parents of dependent students who are enrolled at least half-time. Repayment begins within 60 days of signing a promissory note unless deferment is requested. Application for the Direct PLUS loan begins when completing a PLUS Application, which is is available online at www.studentloans.gov. Direct PLUS loans are made through the U.S. government.

Parkland College Foundation Scholarships/Special Scholarships. Students may also apply for special scholarships and scholarships available through the Parkland College Foundation. A list of these scholarships begins on p. 33.

Selective Service Registration Status

Under Title IV of the Higher Education Act of 1965 as amended, any person required to register with selective service who fails to do so is ineligible for federal and state financial aid.

Those persons not required to register with selective service must, nevertheless, indicate why they do not have to be registered. These persons include females, persons born before 1960, armed forces personnel on active duty, and persons under age 18.

Retaking Coursework

In accordance with Part 668 Student Assistance General Provisions Retaking Coursework (§ 668.2), upon successful completion of a class (with a D or better), students may repeat the course once and receive financial assistance.

Tax Reform Act of 1986 and Financial Aid

For tax years beginning on or after January 1, 1987, portions of any financial aid awards (excluding loans) not used directly for tuition and course-related expenses are considered taxable income by the IRS.

Financial aid recipients are encouraged to confer with the Internal Revenue Service or an income tax consultant regarding their potential tax liability. For more information, visit the Tax Benefits for Education: Information Center at www.irs.gov/uac/Tax-Benefits-for-Education:-Information-Center

Satisfactory Academic Progress Policy for Financial Aid Recipients

In accordance with the U.S. Department of Education, Parkland College is required by federal regulations (Federal Regulations 34CFR Parts 668.32f and CFR 668.34) to establish satisfactory academic progress standards for federal and state financial aid recipients enrolled in eligible degree and certificate programs. These minimum standards ensure that only those recipients demonstrating satisfactory progress toward the completion of their educational objective continue to receive financial assistance.

The following are minimum standards required by a student to be eligible for the following types of student financial

aid *regardless* if a student has previously received student financial aid: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Federal Work-Study Program (FWS), Federal Direct Stafford/Ford Loans, Federal Parental Loan for Undergraduate Students (PLUS), and Illinois Monetary Award Program (MAP).

Minimum Standards Regarding Maximum Hours Attempted

- Students enrolled in eligible *degree programs* cannot exceed 150 percent of the number of credits needed to complete the program. Attempted hours include all Parkland 100–299 level classes, developmental coursework, repeated hours, all transfer credit, military credit and proficiency exam credit. Withdrawals, failures, incompletes, and "N"grades are also considered attempted hours. Note: Military Withdrawal grades are excluded from attempted hours.
- Students enrolled in eligible *certificate programs* cannot exceed 150 percent of the number of credits needed to complete the program. Attempted hours include all Parkland 100–299 level classes, developmental coursework,repeated hours, all transfer credit, military credit, and proficiency exam credit. Withdrawals, failures, incompletes, and "N" grades are also considered attempted hours. Note: Military Withdrawal grades are excluded from attempted hours.

Minimum Standards for Satisfactory Course Completion Rate

- *All degree/certificate students* must comply with the minimum standards for Satisfactory Course Completion Rate of *67 percent* regardless of the student previously receiving financial aid at Parkland or any other institution of higher education. The 67 percent Satisfactory Completion Rate refers to the percentage of *cumulative* hours successfully completed (earned) in relation to *cumulative* hours attempted *(including transfer hours)*. Attempted hours include all Parkland 100–299 level classes, developmental coursework, repeated hours, proficiency exam credit, and transfer hours. Withdrawals, failures, incompletes, and "N" grades are also considered attempted hours. Note: Military Withdrawal grades are excluded from attempted hours.

  Successfully completed (earned) hours are those classes for which there is a letter grade of A, B, C, D, or proficiency exam credit.

  Example: To meet the minimum completion rate of 67 percent, a student who has attempted 28 cumulative hours at the end of a semester must have successfully completed (earned) a minimum of 19 cumulative hours (round up).

Minimum Standards Regarding GPA

- Students who have attempted 60 or more credit hours (including transfer and military credit) must maintain a minimum cumulative college GPA 2.0 or better.

Review Period

Every student who receives financial aid for the first time at Parkland will be reviewed to determine if the student has met the three minimum standards set by this policy (i.e., minimum completion rate, GPA, and maximum hours attempted). Students who have not successfully completed 67 percent of previous attempted hours will be placed on Financial Aid Warning; students who have attempted 60 or more hours with less than a 2.0 cumulative college GPA will be placed on Financial Aid Warning. Degree seeking students who have attempted 150 percent of the number of credits needed to complete the program (including all transfer credit hours and military credit) will be placed on Financial Aid Suspension at the beginning of that semester and not eligible for financial aid. Certificate seeking students who have attempted 150 percent of the number of credits needed to complete the program (including all transfer credit hours and military credit) will be placed on Financial Aid Suspension at the beginning of that semester and not be eligible for financial aid.

At the end of each semester, the record of every student who has completed a FAFSA and received financial aid requiring satisfactory academic progress will be reviewed to determine if the student has made progress according to the three minimum standards set by this policy.

The Office of Financial Aid and Veteran Services is NOT notified when a student finishes an incomplete class or receives a grade change. Therefore, it is the student's responsibility to notify the Office of Financial Aid and Veteran Services when incomplete courses are finished and/or grade changes are made.

Financial Aid Warning

If a student is not making satisfactory progress under the minimum completion rate standards, he/she will be placed on Financial Aid Warning and allowed the following semester of enrollment to achieve the minimum satisfactory completion rate of 67 percent of all cumulative hours attempted. If at the end of that semester the student has not met the minimum completion rate of 67 percent of all cumulative attempted hours, the student will be placed on Financial Aid Suspension status.

If a student is not making satisfactory progress under minimum cumulative college GPA requirement, he/she will be placed on Financial Aid Warning and allowed the following semester of enrollment to achieve the minimum cumulative college GPA of 2.0 or better. If at the end of that semester the student has not met the minimum GPA requirement, the student will be placed on Financial Aid Suspension status.

Note: There is no Financial Aid Warning period for degree or certificate seeking students who have attempted the maximum of 150 percent of the number of credits needed to complete the program (immediate financial aid suspension occurs).

Financial Aid Suspension

A student who has not met the minimum completion rate of 67 percent after one semester on Financial Aid Warning will be placed on Financial Aid Suspension and not eligible to receive financial aid funds covered under this progress policy.

A student who has attempted 60 or more credit hours and does not have a cumulative college GPA of 2.0 or better after one semester on Financial Aid Warning will be placed on Financial Aid Suspension and not eligible to receive financial aid funds covered under this progress policy.

A student enrolled in a degree program who has exceeded 150 percent of the number of credits needed to complete the program (including all transfer credit hours and military credit) will be placed on Financial Aid Suspension status without a period of Financial Aid Warning.

A student enrolled in a certificate program who has exceeded 150 percent of the number of credits needed to complete the program (including all transfer credit hours and military credit) will be placed on Financial Aid Suspension status without a period of Financial Aid Warning.

Financial Aid Reinstatement

There are two ways a student's eligibility can be reinstated from suspension status:

1. Meet minimum cumulative completion rate and/or cumulative college GPA requirement standard(s) as set forth in this policy; or

2. Submit an appeal that is approved by the Financial Aid Appeals Committee placing the student on Financial Aid Probation or Extension.

Financial Aid Probation Status

A student who submits a *Minimum Course Completion Rate and/or GPA* appeal that is approved by the Financial Aid Appeals Committee will be placed on Financial Aid Probation, and financial aid will be reinstated. While on Financial Aid Probation, students must complete 100 percent of the semester attempted hours with a minimum of a 2.0 semester college GPA. Failure to do so will result in Financial Aid Suspension.

Financial Aid Extension Status

A student who submits a *Maximum Hours Attempted* appeal that is approved by the Financial Aid Appeals Committee will be placed on Financial Aid Extension and have his/her aid reinstated for one semester of enrollment.

Appeal Process

Students who fail to meet the Parkland Satisfactory Progress requirements defined by this policy may submit a written appeal to the Satisfactory Progress Appeals Committee. Appeal forms are available from the Office of Financial Aid and Veteran Services website. Appeals must clearly explain why the minimum standard was not met, and what has changed that would allow the student to be successful. The Committee will take circumstances, such as medical reasons, family crisis, personal problems, or other circumstances which adversely affected academic performance, under consideration. Supporting documentation must be included with the appeal. The appeal and supporting documentation should be sent to the Appeals Committee in care of the Parkland Office of Financial Aid and Veteran Services.

The Appeals Committee meets at least three times each semester to review appeals. The Office of Financial Aid and Veteran Services will email notification of the Committee's decision to the student's college email account. The Appeals Committee is comprised of staff members from other departments within Parkland College.

A student who submits a *Minimum Course Completion Rate and/or GPA* appeal that is not approved by the Financial Aid Appeals Committee must meet the minimum cumulative completion rate and/or cumulative college GPA requirement standard(s) as set forth in this policy. Note: The decision of the committee is final.

A student who submits a *Maximum Hours Attempted* appeal that is not approved by the Financial Aid Appeals Committee will be placed on Financial Aid Cancellation Status. The committee will not accept future appeals for review. Note: The decision of the committee is final.

Return of Title IV Funds Policy

The Higher Education Amendment of 1998 requires institutions to calculate the amount of Title IV aid earned by students who totally withdraw from the institution before completing 60 percent of the enrollment term. Parkland must calculate the amount of Title IV funds the student earned for the period enrolled before withdrawing. This process requires Parkland to determine whether any Title IV funds received by or on behalf of that student must be returned or if the student is entitled to further disbursements of awarded Title IV funds. A student who attended more than 60 percent of the payment period earns 100 percent of his or her aid.

The return of Title IV funds formula calculates the amount of Title IV aid to which a withdrawn student is entitled in direct proportion to the percentage of the period that the student attended.

Parkland will notify the student that he or she must repay the overpayment or make satisfactory repayment arrangements within 30 days of determining that a student has completely withdrawn from all classes.

Financial Assistance for Veterans, Reservists, and Servicemembers

Assistance Programs

Veterans Benefits (G.I. Bill). Parkland College is approved for G.I. Bill benefits. Veterans and servicemembers should contact the Office of Financial Aid and Veteran Services for information concerning the financial assistance and/

or benefits available to them. For additional information about assistance for veterans, servicemembers, and reservists, see p. 36.

Selective Reserve Benefits (Chapter 1606–1607). Parkland is approved for selective reserve benefits. Reservists and members of the National Guard should contact the Office of Financial Aid and Veteran Services for information concerning the financial assistance and/or benefits available to them.

Survivor/Dependent Benefits. Parkland is approved for survivor/dependent education benefits. Spouses and children of veterans who were either killed in action, missing in action, a prisoner of war, or were 100% disabled due to a service-connected cause should contact the Office of Financial Aid and Veteran Services for information concerning the financial assistance/benefits available to them.

Illinois Veterans Grant (IVG). A veteran who entered the armed forces while a resident of Illinois may be entitled to an IVG, which covers tuition and mandatory fees. Applications for the IVG may be obtained from the Illinois Student Assistance Commission.

Illinois National Guard Grant (ING). Enlisted persons who have served at least one year in the Illinois National Guard or Naval Militia may apply for the ING. The ING covers tuition and mandatory fees. Persons are eligible for the ING only during the period they are enlisted in the guard or militia. Applications for the ING may be obtained from the Illinois Student Assistance Commission.

Servicemembers Tuition Assistance. All servicemembers and their dependents (if U.S. citizens) who are stationed and living within the college district are authorized to attend Parkland and pay tuition and fees at the in-district rate.

Illinois MIA/POW Scholarship. The spouse or child of an Illinois Veteran who was either killed in action, missing in action, a prisoner of war, or was 100% disabled due to a service-connected cause may be entitled to the Illinois MIA/POW scholarship, which covers in-district tuition and mandatory fees. Applications for the MIA/POW scholarship may be obtained from the Illinois Department of Veterans Affairs or the Parkland Office of Financial Aid and Veteran Services.

Policy on Satisfactory Academic Progress

Students who are receiving educational benefits through the VA must continue to make satisfactory progress in their academic major. Satisfactory progress will be measured in terms of a student's college (cumulative) grade point average (GPA). Students receiving benefits are expected to maintain a college GPA that does not subject them to academic probation (see p. 45). If a student maintains a probationary GPA for two consecutive terms, or is academically suspended or dismissed from Parkland College, the student's future enrollment certification will be suspended and the VA will be notified of the student's unsatisfactory progress.

Students who are receiving the Illinois Veterans Grant or Illinois National Guard Grant must maintain a cumulative GPA of 2.0 or higher once they have attempted 60 credit hours or their benefits will be suspended.

A student receiving benefits is expected to complete all of the credit hours he or she is certified for each semester. In some situations, a student who does not achieve this course completion schedule may be charged with overpayment.

Students may only enroll in classes that apply to their declared major if they expect to receive G.I. benefits.

Scholarships

Information on available scholarships may be found in the scholarship search in my.parkland.edu.

Special Scholarships

ACADEMIC OPPORTUNITY SCHOLARSHIP FOR UNDERREPRESENTED STUDENTS. This two-year merit scholarship is awarded to District 505 graduating seniors who represent a cultural, ethnic, or racially underrepresented group at Parkland College, or in a specific career/degree field. Covers full-time in-district tuition and fees, but does not cover books, supplies, or noncredit course costs. Eligibility is contingent upon a 3.0 cumulative GPA on a 4.0 scale or a 4.0 on a 5.0 scale and demonstrated participation in high school and/or community activities.

INTELLECTUAL FREEDOM AWARD. Awarded to a student for the best essay (1,000-1,500 words) on intellectual freedom. The essay will be published in the commencement edition of the Prospectus.

PARKLAND COLLEGE ATHLETICS SCHOLARSHIP. Tuition and fee waivers for athletes in the men's and women's basketball, men's baseball, women's softball, women's volleyball, men's golf, and men's and women's soccer.

PARKLAND COLLEGE GENERAL EDUCATION DEVELOPMENT SCHOLARSHIP. Please see the Office of Financial Aid and Veteran Services for information related to this scholarship.

PARKLAND COLLEGE MUSIC SCHOLARSHIP. Tuition and fee waivers to students who are majoring in music. May be renewed for an additional year.

PARKLAND COLLEGE STUDENT ACTIVITIES SCHOLARSHIP. Tuition waivers for high school graduates, or those with high school equivalency, who participate in student activities.

PARKLAND COLLEGE STUDENT TRUSTEE AND STUDENT GOVERNMENT PRESIDENT. In recognition of the responsibilities of the Student Trustee and President of Student Government in representing the Parkland College student body, and their attendance at IBHE and ICCB student advisory meetings throughout the academic year, students holding these elected positions will be awarded a partial tuition waiver. This waiver will be in effect during the fall and spring semesters, and will not exceed the value of six credit hours of in-district tuition and fees for each semester.

PARKLAND COLLEGE THEATRE SCHOLARSHIP. Tuition and fee waivers to high school graduates who are majoring in theatre. May be renewed for an additional year.

PARKLAND COLLEGE TRUSTEES SCHOLARSHIP. Awarded to the top 10 percent of graduating seniors from each high school in District 505 who attend Parkland full-time immediately after graduation from high school. Pays all resident tuition and fees for two academic years.

Note: Tuition and fees covered by tuition waivers and/or scholarship awards do not include additional course fees (flight instruction fees) charged for aviation (AVI) courses.

Parkland College Foundation Scholarships

The following scholarships are available to Parkland students from funds contributed by individuals and organizations. Some scholarships may not be awarded every year. Information on available scholarships may be found in the scholarship search in my.parkland.edu.

Accounting
- Billy Byers Accounting Scholarship
- Faculty Choice Accounting Scholarship
- Jack L. James Clifton Gunderson Excellence in Accounting Scholarship
- Arthur H. Winakor Memorial Scholarship
- William D. Yaxley Memorial Scholarship

Agriculture
- AgReliant Genetics Scholarship
- Agriculture Business Management Scholarship
- John and Marge Albin Scholarship
- Robert Ralph Ford Memorial Agriculture Scholarship
- Cargill, Inc. Scholarship
- Champaign County Farm Bureau Scholarship
- Ehler Brothers Company Scholarship
- Illinois Foundation Seed, Inc. Scholarship
- Farm Credit Illinois Scholarship
- Floyd and Marian Ingersoll Ag Scholarship
- John Mathews Memorial Scholarship
- Mike Mettler and Priscilla Atkins Scholarship for Horticulture
- Donald M. Nelson Agriculture Transfer Scholarship
- O'Dell Family Scholarship
- Rachel J. and Vernie A. Schroeder Scholarship for Agriculture
- Vitoux Family Agriculture Scholarship
- Murray Wise Associates, LLC Agricultural Scholarship
- Murray Wise Associates, LLC Land Appraisal Contest

Automotive
- William C. Annin Memorial Scholarship
- Champaign County Sports Car Club Scholarship
- Richard P. Karch Memorial Scholarship
- Parts Plus Scholarship
- Sullivan Family Scholarship
- Jordan Taylor Automotive Scholarship

Aviation
- Omer Benn Aviation Scholarship
- Tom Emanuel Aviation Scholarship
- Frasca International Scholarship

Business
- BankChampaign Scholarship
- Kathleen J. and Thomas M. Bennett Scholarship
- Fisher National Bank Scholarship
- Elva Hensley Greeson Business Scholarship
- August C. Meyer, Sr. Scholarship
- Theresa L. Golaszewski Women in Business Scholarship
- Thomas James Neal and Lynnie May Rice Neal Scholarship
- Office Careers Scholarship

Chemistry
- Herbert Seto Scholarship

Computer Science and Information Technology
- Computer Science and Information Technology Scholarship
- Irma H. Ebert Scholarship
- Wolfram Research Scholars
- Women in Computer Science and Information Technology Scholarship

Criminal Justice
- Champaign County Sheriff's Office Criminal Justice Scholarship
- Criminal Justice Memorial Scholarship
- Peter McLaughlin Memorial Scholarship

Disability
- Eugene and Dane Bundy Memorial Scholarship
- Jimm V. Scott Memorial Scholarship

Education
- Roby Gregory Barnes Memorial Scholarship
- Laura Hughes Memorial Scholarship
- Kristine Rotzoll Memorial Scholarship
- Timothy Collins Stafford Scholarship

Engineering Science and Technologies
- Forging the Future Birkey's Scholarship
- Rita Rogers Head Scholarship
- David O. Lawrence Fire Service Technology Scholarship
- Walter H. Miller Memorial Scholarship
- Dorothea Fredrickson Smith Scholarship
- Joseph B. Summers-Henneman Engineering Technology Scholarship
- Gayle Wright Memorial Scholarship

English
- Joanna Tenneh Diggs Hoff Memorial Scholarship
- Diana P. McDonald Scholarship
- Mike Mettler and Priscilla Atkins Scholarship for English Literature

Entrepreneurship
- Entrepreneurial Development Scholarship
- Entrepreneurial Development Award
- Murray Wise Associates, LLC PEN Award Scholarship

Fine and Applied Arts
- Scott Alender Memorial Scholarship
- Fine and Applied Arts Activity Scholarships
- Robert Ralph Ford Memorial Art Scholarship
- Juanita L. Gammon Graphic Design Scholarship
- David M. Jones Memorial Scholarship
- Dr. David M. and Shirley A. Jones Student Art Award
- Don Lake Art Scholarship
- Kenda Lawless Memorial Fund
- Lykins Family Art Scholarship
- Memory Lane Scholarship
- Underwood-Alger Art Scholarship

GED Student
- Ernest Vassar Memorial Scholarship

General
Astronomy Club Scholarship
Jac Bruno Scholarship
Donald C. Dodds, Jr. Scholarship
Champaign Rotary Vo-Tech Scholarship
Joyce and Dale Ewen Family Scholarship
First Mid-Illinois Bank Scholarship
Patricia K. Flessner Scholarship
Habeeb Family Scholarship
Zelema Harris Endowed Scholarship
The Frank and Priscilla Hettler Scholarship
Illinois American Water Company Scholarship
Albert Isaac, Sr. Memorial Scholarship
Karen M. Keener Scholarship
Amy Kummerow Memorial Scholarship
Norman Lambert Memorial Scholarship
David Maxwell Memorial Scholarship
Zachary McNabney Scholarship
Carl R. Meyer Endowed Scholarship
Meyer Charitable Foundation Scholarship
Richard D. Norris Student Government Scholarship
Parkland College Faculty and Staff Scholarship
Parkland College Part-Time Faculty Scholarship
Parkland College Study Abroad Scholarship
Rantoul Community Scholarship
SuperValu Scholarship
Southwood VanEs of AAUW Scholarship
MG and Gladys Snyder Scholarship
Technology Scholarship
University of Illinois Employees Credit Union Scholarship
Women's Studies Scholarship

Health Professions
Alpha-Care Scholars Program at Parkland
Tonia Anding Memorial Scholarship
Charles R. and Louise M. Bash Scholarship
Joseph S. and Sarah E. Bash Nursing Scholarship
Mary Elizabeth Bash Memorial Nursing Scholarship
Homer Harrison Bash Memorial Scholarship
Julia F. Burnham Scholarship
Carle Scholars at Parkland College
Champaign County Nursing Home Scholarship
F. Lorene Christians Nursing Scholarship
The Greater Champaign County Chapter of AMBUCS Respiratory/Occupational Therapy Scholarship
Jean and Lloyd Helper Nursing Scholarship
Fran Hill Memorial Scholarship
Catherine and Leo Huff Memorial Scholarship
Lykins Family Nursing Scholarship
Theda Seaton Marley Single Mother Nursing Scholarship
Maurer Family Scholarship
McGrain-Huff Nursing Scholarship
Bill and Anna Mettler Nursing Scholarship
Sister Julia Moriarty Nursing Scholarship
Sandra W. Reifsteck Nursing Scholarship
Rachel J. and Vernie A. Schroeder Scholarship for Nursing
Ted Silver Scholarship
George T. Shapland Health Careers Scholarship
Star for Education Foundation, Inc. Scholarship
Charles Thomas Memorial Scholarship
Lauretta Turner Memorial Scholarship
Judi Davis Weatherall Scholarship

High School
Jodi Brandon Scholarship
Busey Bank Scholarship
Clive Hornstein Memorial Scholarship
Marilyn Huckaba Alpha Xi Delta Scholarship
Robert P. Pope Memorial Scholarship
Jennifer Sinclair Arnold Smith Memorial Scholarship

Hospitality
William Myers Hospitality Management Scholarship

Illinois workNet Center
David L. Miller Memorial Scholarship

Liberal Arts and Sciences
Vitoux Family Liberal Arts and Sciences Scholarship

Master's Degree
PROF–Professors of the Future

Mathematics
Jayne Ryoti Memorial Scholarship
Strides Scholarship

Music
Norma Lou Dudley Memorial Scholarship
Susan and Derek Kraybill Musical Theatre Award
Vitoux Family Music Scholarship

Theatre
Randy A. Millas Theatre Scholarship
Theatre Production Award

UI Transfer
Hites Family Endowment Scholarship
Two + Two Scholarship

Veteran
Commander Leonard Nettnin Memorial Scholarship
Seymour American Legion Post 1256 Scholarship

Veterinary Technology
Dr. and Mrs. Paul F. Cook Veterinary Technician Scholarship
Founder's Scholarship
Melissa Bailey Wolfram Memorial Scholarship
Vet Tech Faculty and Staff Scholarship

Student Services

Counseling and Advising Center

The Counseling and Advising Center (U267) welcomes students seeking academic advising, educational planning and career and personal counseling. Counselors and advisors assist students in the attainment of their educational goals through academic advisement and intervention, and guidance through the transfer process. Counselors are available for short-term mental health counseling for currently enrolled students. Discussions between counselors and students are confidential.

Students may make appointments in advance in non-peak times or may be seen as walk-ins on a space available basis. Students in crisis are seen as soon as possible. For office hours, to make an appointment or for more information, call 217/351-2219.

Assessment Center

The Assessment Center (U203) administers a wide variety of exams and evaluations for Parkland students and community members. New students take placement tests in reading, writing, mathematics, or English as a Second Language. The staff also administer certification exams on behalf of Pearson VUE, Castle Worldwide, and PSI, while still providing board exams, and standardized tests such as the GED and CLEP exams. Distance learners can request proctoring for their paper- and computer-based exams. Appointments are required for all assessments, and a valid photo ID must be presented to test. For appointments, please start with the website, www.parkland.edu/assessment. For more information, call 217/351-2432.

Career Center

Parkland's Career Center helps students select their college major based on their interests, skills, and values. After meeting with a career counselor and taking an assessment, students will have a better idea of why they are in college. Counselors are also available to help with resume writing, interviewing skills, and other job search strategies.

The Career Center also posts regional job openings, coordinates the on-campus student employment program, and holds two job fairs each year. For more information, call 217/351-2462, stop by U238, or see www.parkland.edu/careercenter.

Adult Re-entry Center

Parkland's Adult Re-entry Center (U233) helps busy adults find a convenient way to finish their college degrees. Guidance is provided through the development of individualized learning plans, which outline exactly what is needed and which courses are necessary for degree completion. Several four-year universities offer advanced degrees that can be earned by taking courses through Parkland or online. For information, call 217/353-2666 or e-mail adultreentry@parkland.edu.

Students with Disabilities

In accordance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973, Parkland College provides auxiliary aids and services for students who self-identify their disability. Students with disabilities who desire academic accommodations must register with the Office of Disability Services. They should provide appropriate documentation of their disability and schedule an intake appointment by visiting U260, emailing disabilityservices@parkland.edu, or calling 217/353-2338 (TTY 217/353-2251).

Parkland offers academic accommodations for students with documented disabilities. These can include but are not limited to alternate testing arrangements, note takers, textbooks in alternate format, sign language interpreters and captioning services, and adaptive aids and equipment.

Students with disabilities, like all students, are expected to comply with all standards and policies of the college, including admission procedures, behavior/conduct, assessment testing, attendance, auditing a class, and others. More information about Parkland's policies and procedures can be found in this catalog (see index for specific listings).

Students who feel they have been excluded from participation in, or denied the benefits of, any program, service, or activity due to their disability are encouraged to contact the director of disability services at the above number. Parkland's Student Policies and Procedures Manual contains the ADA Grievance Policy and Procedures. This information is available at www.parkland.edu/studentpolicy, from the director of disability services (U260), or the vice president for student services (U334).

Vocational Education Perkins Grant Program

The Carl D. Perkins Vocational and Technical Education Act has allocated federal monies to Parkland College for students in career/technical education programs. Services include purchase of class supplies tools, uniforms, and adaptive equipment. For further information, contact 217/351-2218 or visit U305.

Assistance for Veterans, Reservists, and Servicemembers

Parkland has been designated a "Servicemember's Opportunity College" by the American Association of Community Colleges. This designation is a recognition of the special efforts extended by the college to meet the postsecondary educational needs of servicemembers.

Servicemembers, veterans, and reservists who lack adequate preparation for college-level study may enroll in remedial courses. However, Applied Learning Skills (ALS) courses are not approved by the Veterans Administration. For further

information, contact the Office of Financial Aid and Veteran Services, 217/351-2228.

A maximum of 75 percent of graduation requirements may be completed at other colleges and/or through non-traditional means. The remaining 25 percent must be completed in courses offered by Parkland, but need not be earned in consecutive terms. Among the methods of earning credit are Parkland College proficiency tests, College Level Examination Program (general and subject tests), Defense Activity for Non-Traditional Educational Support (DANTES) tests, and credit based on the completion of service schools that have been evaluated by the Commission on Accreditation of Service Experiences (CASE) of the American Council on Education. Servicemembers, veterans, and their dependents are encouraged to consult with their Base Education Services Office or with Parkland's Office of Admissions and Records concerning the possible award of credit earned through nontraditional means.

TRiO/Student Support Services

TRiO/Student Support Services is a federally-funded program open to first-generation college students, students with demonstrated financial need, and/or students with documented disabilities. TRiO/SSS provides a welcoming environment, and is committed to encouraging and supporting students along their academic journey toward graduation and transferring to a four-year university. The TRiO/SSS program provides opportunities for academic development and personal growth to individuals who are members of groups that are typically underrepresented in post-secondary education. These opportunities include academic, career, and personal development workshops; financial and economic literacy programs; cultural and social events to help students become actively involved in the college community; and tutoring. For more information, call the TRiO/SSS office at 217/353-2267, e-mail TRiO@parkland.edu, or visit U252.

Student Life

The Office of Student Life (U111) coordinates and administers programs, activities, and services that facilitate the student's academic, social, cultural, and personal adjustment to college as well as support the academic mission through co-curricular programming.

Services and programs offered through the Office of Student Life include Parkland IDs, leadership development, honors organizations, new student orientation, volunteer opportunities, co-curricular and extracurricular activities, wellness programs, and commencement.

Housing. The Office of Student Life refers students and parents seeking off-campus housing to the webpage www.parkland.edu/studentLife/housingsearch.aspx. The linked information providing off-campus housing sites in the Parkland area is not intended to be an endorsement by Parkland College for any housing site.

Student ID cards. Parkland ID cards are issued free of charge to all students through the Office of Student Life, and are valid as long as the student is enrolled at Parkland. To obtain a Parkland ID, students must show a photo ID and proof of enrollment. Parkland ID cards are required to check out library materials and for many other on-campus activities and services. A charge applies for replacement ID cards. For ID office hours and other information, see www.parkland.edu/studentlife.

Student Organizations and Activities

Parkland College offers many extracurricular activities for all Parkland students. These activities provide opportunities for self-expression and to make new friends, learn new skills, develop lifelong interests, and learn through practical experiences. For more information, please call the activities program manager in the Office of Student Life, 217/353-2627, or visit room U120.

Student Association

All Parkland students are members of the Student Association and can vote in Student Government elections. The Student Government, composed of the executive officers (president, vice president, treasurer, and secretary) and 10 senators, represents the Student Association in developing and recommending policies and procedures regarding the welfare of students; establishes a budget for student activities; develops cultural, social, and educational activities; and promotes student organizations. The Student Association also elects a student trustee to serve as a representative with an advisory vote on the college Board of Trustees.

All students are encouraged to be candidates for Student Government and student trustee. Elections and qualifications are detailed in the Student Association Constitution available in the Student Government office, U117, or the Office of Student Life in U111.

Student Organizations

ACCESS—students with disabilities and allies
African Students Organization
Alpha Phi Omega—service and philanthropy
Astronomy Club
Black Student Association
Brother to Brother
Business Club
Catholics @ Parkland
Chess Club
Club Latino
Computer Science Club
Criminal Justice Club
Cru—formerly Campus Crusade for Christ
English Conversation Club—international cultures
Equine/Riding Team
German Club
Great Minds
I.P.L.S.A. Parkland Chapter—Land Surveying Technology
International Students Association
Japanese Culture Club
Muslim Students Association
Parkland College Student Chapter of N.A.H.B.U.S—home building and construction design
Parkland College Student Education Association

Parkland Motorsport—Automotive Technologies
Parkland Pride!—LGBT students and allies
Parkland Scholars Group—Honors Program
Phi Alpha Chi—Agriculture Club
Phi Theta Kappa—Honor Society
Pre-Law Club
P.U.S.H.—Parkland United for Student Health
Respiratory Therapy Students Association
Rotaract
S.A.D.H.A.—Student American Dental Hygienists Association
Science Club
Student Secular Alliance at Parkland—atheists, agnostics, humanists, skeptics
Sister to Sister—cultural support program
S.N.A.P.—Student Nurses Association at Parkland College
S.V.A.P.—Student Veterans at Parkland College
Surgical Technology Club
Veterinary Technicians Association

Students interested in participating in any of these organizations, or in starting a new group, should contact the Office of Student Life in U111.

Phi Theta Kappa Honor Society

Phi Theta Kappa, international honor society of the two-year college, invites applications from students who have earned 12 semester credit hours at Parkland in courses numbered 100-299 toward an A.A., A.S., A.E.S., A.F.A., or A.A.S. degree and have achieved a minimum of a 3.5 (on a 4.0 scale) college (cumulative) GPA. Phi Theta Kappa promotes scholarship, leadership and service, and fellowship among members.

Parkland's chapter is Alpha Psi Eta. New members are inducted in the fall and spring. For more information, please call the chapter advisor at 217/353-2131.

Parkland College Alumni Association

The Parkland College Alumni Association was established in 1984 to promote alumni involvement with the college by keeping members informed about activities, programs, services, and the continued growth of Parkland College. The association supports the goals and objectives of the college through fellowship and group activities, both on and off campus. For more information on membership benefits, please call the Alumni Association at 217/351-2458.

Student Publications

The *Prospectus,* a weekly print and digital format newspaper, offers students experience in reporting, writing, photography, advertising, production, design, and online design.

Student writers and editors use Macintosh computer equipment to produce the paper. Positions are open to all students; those majoring in mass communications, and visual arts find this experience particularly helpful in building their portfolios of published material. Paid positions and scholarships are available. For information, call 217/353-2627.

Images is the literary and visual fine arts magazine published by the *Prospectus*, featuring short fiction, nonfiction, poetry, and visual and digital arts created by Parkland students. Submissions for inclusion in the publication are accepted January through March each year. For more information, call 217/353-2627.

All student publications are governed by a student-faculty board (Publications Board) and by the Student Government. For information, call 217/353-2627.

Intramural Activities

Intramural activities are provided for all Parkland students and staff. Funded and staffed by students, the intramural program offers bowling; volleyball; basketball; running; and other sports, contests, activities, and special events.

Individuals interested in participating in Intramurals can obtain information in Room P204. For information call 217/351-2226.

Art, Music, Speech/Debate, and Theatre

The Fine and Applied Arts department provides students with opportunities to enrich their artistic and performance skills through a variety of activities. Art students participate in juried shows held annually in The Donna Hyland Giertz Gallery, and the music program offers a variety of vocal and instrumental ensembles. The Parkland Theatre and Second Stage provide beautiful settings for music and theatre productions that range from comedies to Broadway-style musicals to serious contemporary plays. Communication students may participate in an annual speech contest for scholarship awards, and the Speech/Debate Team competes with other schools in team and individual events.

Equestrian Team

Parkland students may join the Equestrian Team which provides an opportunity to participate in horse riding competitions. Full-time students in any program can join the team and no prior experience is needed. Horse ownership is not required and some of the costs to participate are covered by student activity fees. For more information contact the Business and Agri-Industries department at 217/351-2213.

Wellness Center

The Wellness Center (U116) provides health information and healthy living initiatives, community referrals, smoking cessation program, stress management and chair massage, and alcohol and other drug education for faculty, staff, and students. Illness, first-aid, and medical emergencies should be directed to Public Safety. Call 217/373-3879 or 217/353-2323 for more information.

Department of Public Safety

Parkland's Department of Public Safety is made up of the Division of Police and the Division of Security. The Division of Police provides a law enforcement function to the college, to assure a safe and secure environment. All law enforcement officers are certified by the State of Illinois Police Training and Standards Board, and all sworn officers in the department maintain basic Emergency Medical Technician (EMT)

or First Responder level training. Public Safety provides such services as unlocking and jump-starting vehicles, and safety patrols.

The main Public Safety office is located in X109, and includes a Lost and Found. A college center substation is in X110 and the Student Union substation is in U136. You can reach the department by calling 217/351-2369; using emergency call boxes located throughout campus; dialing 2369 from house phones; or dialing 911 from faculty-staff office phones. Visit www.parkland.edu/police for more information.

Intercollegiate Athletics

Intercollegiate athletics provide an opportunity for students to participate in state and national competition. The intercollegiate program includes varsity competition for men in baseball, basketball, golf, and soccer; and for women in basketball, soccer, softball, and volleyball. There is a dance team, the Cobra Charmers, who perform at sporting events and compete at national competitions. In the Fall of 2013, both volleyball and Men's Soccer won conference titles with the Volleyball team eventually finishing as the National Runner-Up. The college is a member of the National Junior College Athletic Association (NJCAA) and the Mid-West Athletic Conference.

Parkland athletic teams have experienced tremendous success at the national, regional, state, and conference levels in recent years. Since 2002, Parkland sports teams have won two national titles (Baseball 2002 and 2009), finished second on five occasions, and placed third seven times. Many Parkland athletes earn All-Conference, All-Region, and NJCAA All-American recognition. Contact the Athletic department at 217/351-2226 for more information on tryouts and scholarship opportunities.

The Equity in Athletics Disclosure Act (EADA) Report is available upon request from the director of athletics in P204.

Policies Governing Student Life

Student Policies and Procedures Manual

The following policies are published in the Parkland College Student Policies and Procedures Manual:
Academic Honesty
Academic Standards
ADA Grievance Policy and Procedures
Alcohol and Other Drug Use
Chronic Communicable Diseases
Computer and E-mail Use Policies
Financial Aid and Satisfactory Progress
Grade Appeal
Harassment/Discrimination of Students
Refund: Tuition and Fees
Right to Assembly
Sexual Assault
Student Conduct Code
Student Grievance Procedure
Student Records
Students with Disabilities

Copies of the manual or revised policies and procedures may be obtained from the dean of students, U243; director of Student Life, U119; vice president for student services, U334; or online at www.parkland.edu/studentpolicy.

Safety Glasses Policy

The Illinois School Code, Chapter 122, "Eye Protection Devices," states:

All individuals will wear industrial quality eye protection devices at all times while in a room or other enclosed area where they and others are participating in any phase of activity of such course which may subject the student or teacher to the risk of hazard of eye injury from the materials or processes used in said course. These activities may be defined as experiences involving hot molten metals; milling, sawing, turning, shaping, cutting, grinding, or stamping of any solid metal, wood, or plastic; heat treatment, tempering, or kiln firing of any metal or other materials; gas or electric welding; repair or servicing of any vehicle; and caustic or explosive materials.

Visitors to shops or laboratories will be furnished with and required to wear industrial-quality eye protection.

Bringing Children to Class

The learning environment must be as free as possible from disruptions. Policy 5.04 states that children are not permitted in classes and are not to be left unattended anywhere on campus.

Early College and Career Academy

The Early College and Career Academy (ECCA) is a collaboration between the Education for Employment #330 (EFE) K-12 Career and Technical Education cooperative and Parkland College. The ECCA will provide an opportunity for high school juniors and seniors to earn dual credit upon completion of Parkland College courses in manufacturing, automotive technology, computer networking, health professions, emergency medical services, and criminal justice beginning fall 2015. All of these courses will be provided at Parkland College. In several programs, students will have the opportunity to earn professional licenses, industry-recognized certifications, and/or Parkland certificates. The EFE 330, located in Room A113 at Parkland College, will work with Parkland to administer the program.

Academic Information

Contents

Academic Services Directory

Interim Vice President for Academic Services
Pamela Lau — room U333
plau@parkland.edu — 217/351-2542

DEAN OF ARTS AND SCIENCES
Nancy Sutton — room C121
nsutton@parkland.edu — 217/351-2402

Fine and Applied Arts
Vacant

Humanities
Wendy Patriquin, department chair — room C136
wpatriquin@parkland.edu — 217/351-2217

Mathematics
Geoffrey Griffiths, department chair — room M120
ggriffiths@parkland.edu — 217/351-2225

Natural Sciences
Scott Siechen, department chair — room L120
ssiechen@parkland.edu — 217/351-2285

Social Sciences and Human Services
Joseph Walwik, department chair — room D178
jwalwik@parkland.edu — 217/351-2385

DEAN OF CAREER AND TECHNICAL EDUCATION
Vacant

Business and Agri-Industries
Bruce Henrikson, department chair — room B115
bhenrikson@parkland.edu — 217/351-2213

Computer Science and Information Technology
Maria Mobasseri, department chair — room B116
mmobasseri@parkland.edu — 217/353-2099

Engineering Science and Technologies
Catherine Stalter, department chair — room T103
cstalter@parkland.edu — 217/351-2481

DEAN OF HEALTH PROFESSIONS
Bobbi Scholze — room L119
bscholze@parkland.edu — 217/351-2224

Vice Chair, Nursing and Faculty Affairs
Diane Cousert — room L249
dcousert@parkland.edu — 217/353-2135

Vice Chair, Student Affairs
Michele Spading — room L122
mspading@parkland.edu — 217/351-2468

DEAN OF LEARNING SUPPORT
Erika Hackman — room D114
ehackman@parkland.edu — 217/351-2524

Library
Anna Maria Watkin, director — room R230
amwatkin@parkland.edu — 217/351-2596

Center for Academic Success
Tracey Hickox, director — room D128
thickox@parkland.edu — 217/351-2431

Professional Development and Instructional Technology
Derrick Baker, director — room D114
dbaker@parkland.edu — 217/353-2185

DEAN OF CAREER AND TRANSFER PROGRAMS
Randy Fletcher — room U309
rfletcher@parkland.edu — 217/351-2236

AVIATION
Sybil Phillips — 217/244-8646
Institute of Aviation at Willard Airport, Savoy

Academic Policies and Procedures

Comprehensive Assessment Program (CAP)

The primary objective of the Comprehensive Assessment Program (CAP) policy is to ensure that all entering students have the skills and knowledge required for success in college-level transfer and career courses. The key to accomplishing this goal is implementation of an assessment structure that accurately places students in courses that are appropriate to their skills and knowledge.

Students should be placed at a level which will challenge them but which is not beyond their reach. Students whose placement test results indicate that they need skills assistance will receive instruction to address these areas. Individuals who are not ready to complete Parkland's preparatory course work will be referred to programs equipped to meet their needs. Academic success is the goal of the Comprehensive Assessment Program. Consequently, course placements made through assessment procedures are mandatory.

The CAP policy requires placement testing in reading, writing, and mathematics skills. Since understanding college-level texts is a key factor in student success, the student's assessed reading level determines eligibility for pre-college and college-level courses. Those for whom English is not a native language will be assessed for their skills in listening comprehension, reading comprehension, and English grammar. The CAP guidelines can be found at www.parkland.edu/assessment.

Grading

Parkland College uses the following grades to indicate the level of student achievement of the educational objectives of a course:

Quality Grades	*Quality Points Per Credit Hour*
AH — A with honors	4
A — High degree of excellence	4
B — Better than average	3
C — Average achievement	2
D — Minimum achievement	1
F — Failure	0

To qualify for a grade of AH "A with honors," a student must:

- be earning the grade of A in a 100 or 200 level course at the time the honors project is proposed,
- submit an honors project proposal that must be approved by the course faculty member,
- complete satisfactorily a significant honors project as determined by the faculty member, and
- finish the course earning the grade of A.

Note: The amount of additional work required is approximately that of a one-hour-credit project of IND 288. The honors project has no bearing on the class grade. Students are not required to be a member of the Honors Program to earn an A with honors grade, but must be a member of the Honors Program to qualify for honors scholarships. Professors are not required to allow A with honors options in their classes.

A student receiving an **F** grade may not continue in a sequential course. Many academic programs require a minimum grade of C to continue in a sequential course. See specific course descriptions on p. 226 and following.

Under state and federal family privacy rights and due process, the college will not deny students the right to see and discuss their work product, including grades on tests, unless there is some prevailing and rational institutional reason. However, requests for grade changes and grade appeals must be made by midterm of the following fall or spring semester.

Students in health career programs must earn a grade of **C** or higher in all program courses in order to continue in the program.

Other Grades

0 quality points per credit hour:
I — Incomplete
W — Withdrawal
CR — Credit
NC — No Credit
P — Institutional Proficiency/CLEP
T — Audit
MW — Military Withdrawal
IM — Military Incomplete
Y — See Instructor

Adult Continuing Education courses only:
S — Satisfactory achievement
U — Unsatisfactory achievement

An **I** (Incomplete) grade may be awarded by a faculty member when a student has completed at least 80 percent of the requirements of a course and has the consent of the faculty member to complete the additional requirements for a quality grade. The student must sign a standard Incomplete Grade Contract with the faculty member. A copy of this contract must be filed in the department office. The required work must be completed by the *end* date of the next term. If the **I** grade is awarded for the spring semester, the required work must be completed on or before the *end* date of the fall semester. A student receiving an **I** grade may not continue in a sequential course without faculty/department chair approval. Failure to resolve an **I** grade within the allotted time will result in a failing grade. Incomplete grade contract forms are available online or at the office of the dean of academic services.

A withdrawal grade of **W** indicates the student officially withdrew or was withdrawn from a course following the established procedures outlined on p. 47.

Most courses may be taken on a credit/no-credit **(CR/NC)** basis, but only one such course may count toward each degree (A.A., A.S., A.E.S., A.F.A., A.A.S., A.G.S.) or certificate earned at Parkland College. The decision for this option must be made no later than the first week of class. Once

the credit/no-credit option is chosen, the student may not return to the conventional grading system **(A, B, C, D, F)** for the completion of that course. If a student chooses a credit/no-credit option for more than one course and later wishes to have those hours in more than one course applied to a degree, that student may retake any previous credit/no-credit opted course for a quality grade.

Each department determines what proficiency level constitutes credit/no credit for the courses in that department. Departments may require certain courses in a particular program be taken for a quality grade; the catalog reflects those requirements. Each student must sign a standard contract with the faculty member confirming the use of the credit/no-credit option. A copy of this contract must be in the student's file in the Office of Admissions and Records. Contract forms are available online or at Admissions in U214.

An institutional proficiency/CLEP grade of **P** indicates a student has passed a proficiency examination for a course, receiving the credit for the course toward graduation. No quality points are awarded.

An audit is indicated by the grade of **T**. No credit is granted nor quality points awarded for an audit. To audit a course, students must meet the admission requirements of the college and the course prerequisites and pay the same tuition and fees as students enrolled for credit. Students who choose to audit a course will register during the open registration period. Once registered, a student may not change from audit to credit status or vice versa. Students who are Monetary Award Program recipients must check with the Office of Financial Aid before signing up to audit a course.

Active or reserve military or national guard personnel who are currently enrolled may qualify for a grade of military withdrawal (**MW**) or military incomplete (**IM**) if they are called to active duty. The following procedures apply:

- Prior to any action, the student should consult with his/her instructors. Each faculty member may choose to award a quality grade or credit/no grade if the student has satisfied the primary objectives of the course.
- If the student has completed 80 percent or more of the material, but does not qualify for a quality grade, a grade of **IM** may be given, and the faculty member should complete an Incomplete Grade Contract. In the event that the **IM** grade is not completed during the prescribed time limit, such grade will automatically be changed to **MW**.
- If the student has not completed 80 percent of the course material, the student may request from Admissions a grade of **MW**.

A grade of **MW** will entitle the student to a complete refund of tuition and fees. Students with concerns during this process should contact the department chair or the dean of academic services.

Grade Point Average

A student's grade point average (GPA) determines his or her scholastic standing. A student's GPA is based solely on courses taken at Parkland College.

The program GPA is used to determine eligibility for graduation in degree and certificate programs (see p. 65). Only courses numbered 100-299 that are counted for the given degree/certificate are included in this GPA. It is computed by the following formula:

$$\text{Program GPA} = \frac{\text{Total quality points earned for } \textbf{A,B,C,D,} \text{ and } \textbf{F} \text{ grades (for all courses attempted that apply to program)}}{\text{Total quality hours attempted (for all courses attempted that apply to program)}}$$

The college (cumulative) GPA includes credits from all courses attempted numbered below 300. The college GPA does not determine eligibility for completion of a degree or certificate, but it may be used for financial aid eligibility and academic probation (see p. 45). The college GPA is computed by the following formula:

$$\text{Cumulative GPA (College GPA)} = \frac{\text{total quality points earned for } \textbf{A,B,C,D,} \text{ and } \textbf{F} \text{ grades (for all courses attempted)}}{\text{total quality hours attempted (for all courses attempted)}}$$

Courses with grades of **I, W, CR, NC, P, T, MW, IM, S,** and **U** are not considered part of total hours attempted for purposes of determining GPA, but they are recorded on a student's academic record.

Repeating a Course

When a course is repeated, only the first quality grade will be excluded from the GPA calculation. The second and subsequent quality grade(s) will be used in computing the GPA. Any credit earned in a given course cannot be lost by a later attempt. The grade received when the course was first taken, however, will remain on the permanent record. (Students should realize that many transfer institutions will include both grades in determining the GPA.) Courses taken on the quarter system and then repeated on the semester system will both be included in the GPA.

Midterm and Final Grades

A midterm grade, which gives an indication of student progress at midterm, and the final grade for a course are recorded for all students. However, the midterm grade does not become part of the student's official record.

Midterm and final grades may be accessed online. Students who need a printed grade report for an employer may print them from the online system or request them in person with a picture ID at the Office of Admissions and Records.

Grades and transcripts will be withheld if there are outstanding obligations, financial or otherwise, to the college. Students not meeting these obligations may not be allowed to register during subsequent semesters at Parkland until their record is cleared.

Final Examinations

A final examination is generally required in all courses. Final examinations are administered at regularly scheduled times in accordance with an officially published final examination schedule in the class schedule.

If a student is unable to appear for a final examination, it is his or her responsibility to inform the faculty member prior to the scheduled examination time. Three examinations scheduled for the same day may be considered a conflict and may be resolved by arrangement with the faculty.

Change of Grades Policy

Changes of grades due to errors in grading or reporting or from an incomplete to a quality grade may be initiated by a faculty member at any time until the end of the fall or spring semester following that in which the course was scheduled. A grade change may also be initiated by the chair of the department that offered the course if, and only if, the faculty member is unavailable. The approval of the department chair is required for the grade change to be entered on the student's transcript. A signed copy of the Change of Grade form will be kept in the Office of Admissions and Records.

Academic Record Exclusion

Parkland College recognizes that students may return to the college after an absence of at least two years and be seriously encumbered by a prior academic record that is exceptionally poor, i.e., consisting primarily of **D** and **F** grades. The college further recognizes that for a variety of reasons a student's prior record may not accurately represent the student's current abilities and commitment to education. Possible reasons for the poor previous performance may include, but not be limited to, immaturity, personal crisis, or unclear vocational/educational goals.

In such cases the college acknowledges that it may be reasonable to exclude all of the prior academic record from the computation of the student's cumulative grade point average. Prior to requesting exclusion, the student must complete successfully at least 15 credit hours within two years upon return to Parkland. All prior grades and any earned credits will remain on the student's transcript. Students enrolled in transfer and career programs may apply for academic record exclusion. Forms for requesting academic record exclusion are available at the Office of Admissions and Records in U214. Completed forms will be forwarded to the dean of academic services.

Individual Grade Exclusion

Students who have changed from a transfer program to a career program or from one career program to another career program (A.A.S. degree and career certificate) may request that **F** and **D** grades earned in credit hours not required in the new program be excluded from the computation of their cumulative grade point average in the new program. These courses must have been required in the previous program and not required in the new career program. This policy does not apply to persons changing from one transfer major to another transfer major or from a career program to a transfer program. The written appeal requesting exclusion of certain course work should be submitted to the office of the dean of academic services (U307).

Academic Honors (Dean's List)

A Parkland College dean's list is published for the fall and spring semesters, listing the students whose scholastic achievement has been outstanding. Awarding of honors will be based on performance on courses 100-299 (excluding ALS courses). To be on the dean's list, a student must earn a minimum 3.5 GPA for the semester in which they are being awarded. For students who earn fewer than 12 hours in that semester, a minimum 3.5 cumulative GPA with 12 or more cumulative hours must be achieved for the academic year (summer, fall, spring).

Academic Warning

A student will be placed on academic warning if, after attempting six or more credit hours, his/her cumulative grade point average is less than:

6–11 inclusive — 1.5	33–44 inclusive — 1.8
12–22 inclusive — 1.6	45–55 inclusive — 1.9
23–32 inclusive — 1.7	56 and above — 2.0

Students placed on academic warning should meet with an academic advisor or counselor before midterm of the term immediately following placement on academic warning. Students on warning who fail to meet with an academic advisor or counselor could have registration privileges discontinued.

Academic Probation

A student will be placed on academic probation if, after attempting six or more credit hours, his/her cumulative grade point average is less than:

6–11 inclusive — 1.0	33–44 inclusive — 1.6
12–22 inclusive — 1.3	45–55 inclusive — 1.8
23–32 inclusive — 1.5	56 and above — 1.9

While on probation, a student may continue to enroll in the college if he or she complies with the following conditions:

1. Develop an academic plan for educational success with an academic advisor, counselor, or student development advocate prior to the beginning of the next semester.
2. Enroll in no more than 13 hours (7 hours in summer).
3. Enroll in no more than one online class.
4. Enroll in no more than one midterm start class (fall or spring semester).

5. Is enrolled prior to the first scheduled meeting of each class. In line with the On Time Registration policy, enrollment must be complete by the Tuesday of the week prior to the first class meeting.
6. Enroll in a study skills course to support reading-focused college courses or access tutoring in the Center for Academic Success. The academic advisor, counselor, or student development advocate will guide student on his or her choice of appropriate academic support.

A student is removed from academic probation when his/her cumulative grade point average satisfies the requirements in this section for the number of credit hours attempted.

Academic Suspension

Any student on academic probation who fails to achieve a minimum 1.75 semester grade point average will be academically suspended from the college. The suspension will be for the full semester (fall or spring) following the term of current enrollment. A student on academic suspension may not register for any courses.

Academic Dismissal

Any student, previously suspended, reenters the college on academic probation. If the student does not achieve a minimum 1.75 semester grade point average at the end of that first semester, he/she will be academically dismissed. Academic dismissal will be for no less than one calendar year. While on academic dismissal, the student may not register for any courses.

Returning from Academic Suspension or Dismissal

Students on academic suspension or academic dismissal may seek reinstatement when they have completed the mandated period of suspension (one full semester, not including summer) or dismissal (one full calendar year). To complete the process for readmission to course work, the student must do the following:

1. ***Financial aid:*** Complete an online Free Application for Federal Student Aid (FAFSA) application if financial assistance is needed. This must be done in a timely manner so that forthcoming aid, if any, is in place by the start of the semester.
2. ***Academic plan:*** Meet with an academic advisor, counselor, or student development advocate to develop an academic plan for the semester he/she wishes to be readmitted to. To meet registration deadlines, academic plans must be completed in time to allow for dean approval and student enrollment into classes. The academic plan should meet the following stipulations: no more than 13 credit hours (7 hours in the summer); no accelerated classes (8 weeks or less, except in the summer); no more than one online class; include a study skills course from the Center for Academic Success. Where appropriate, advising staff may propose modifications of conditions to the dean of academic services.
3. ***Progress review:*** Make appointments to see the counselor, advisor, or advocate at least two times in the first semester upon returning to classes to review his or her academic progress. The first meeting should take place between weeks four and five of the semester. Progress reports will be recorded in the student information system.
4. ***Dean's approval:*** Submit a copy of the completed academic plan signed by the counselor, advisor, or advocate to the office of the dean of academic services (U307) for approval.
5. ***Class registration:*** Upon notification of the dean's approval, register for classes. Registration for classes must be in accordance with the agreed-upon academic plan and must be completed within one week of the notification.

Failure to adhere to these steps is taken as an indication of the lack of readiness to pursue academic success and may result in the discontinuation of registration privileges in the future.

Appealing Academic Suspension or Dismissal

Students on academic suspension or dismissal are not permitted to register for classes. The no-enrollment period for students on academic suspension is one full semester, not including summer, while students on academic dismissal may not take classes for one full calendar year. Students who wish to appeal this period of no-enrollment should know that requests for readmission during suspension or dismissal are rarely granted and considered only in cases of documented extenuating circumstances. To complete the process of appeal, the student must:

1. ***Financial aid:*** Complete an online Free Application for Federal Student Aid (FAFSA) application if financial assistance is needed. This must be done in a timely manner so that forthcoming aid, if any, is in place by the start of the semester.
2. ***Academic plan:*** Meet with an academic advisor, counselor, or student development advocate to develop an academic plan for the semester he/she wishes to be readmitted to. This meeting should take place no later than one week before the start of the 16-week class sessions (fall or spring semester) or the summer semester. The academic plan should meet the following stipulations: no more than 13 credit hours (7 hours in the summer); no accelerated classes (less than 16 weeks, except in the summer); no more than one online class; include a study skills course from the Center for Academic Success. The advisor, counselor, or advocate will discuss the student's readiness to take classes and be academically successful and might be asked to share impressions and recommendations before a decision is made.
3. ***Petition to Appeal Academic Suspension form:*** Complete the Petition to Appeal Academic Suspension form. Submit this form together with relevant documentation supporting the cited extenuating circumstances and the academic plan to the dean of academic services in U307.

Only the dean of academic services or designee can approve an appeal against academic suspension or dismissal. The dean may impose additional requirements when approving an appeal. If the appeal is approved, the student will be informed by phone and in writing. Upon notification, the student has a week to complete class registration. The approval is rescinded if the student fails to register for class within this time. The readmitted student must also make two appointments to see the same advisor, counselor, or advocate that he/she drew up the academic plan in that first semester so that the student's academic progress can be reviewed. The first meeting should take place within the first four weeks of the semester. Progress reports will be recorded in the student information system.

Program Dismissal and Safety Concerns

A student may be dismissed from a program of study if his or her behavior in a classroom, laboratory, or clinic jeopardizes the safety of others. This action can be taken only by the appropriate department chair.

Attendance

Regular and prompt attendance is expected at all classes. Regular attendance and consistent study habits are necessary for academic success in college.

If students are absent for more than one day due to an emergency, they or their family members should contact the dean of students at 217/353-2048. The dean's office will send notification of the absence to the students' instructors. Students are also responsible for contacting their instructors as soon as they are able to do so. The dean's office absence notification does not excuse students from assignments, exams, or being marked absent. Faculty will handle the absence per policies outlined in the class syllabus. Faculty have the prerogative of lowering grades due to excessive absences. Due to the Family Educational Rights and Privacy Act (FERPA), instructors will not speak with students' families about course work unless a signed release of confidentiality form is on file in the Admissions Office.

Parkland College recognizes and values the diverse religious beliefs of its constituents, and practices shared responsibility in the event a religious observance conflicts with scheduled class work or assignments. Students who inform instructors in advance of an intended absence for a religious observance will not be penalized. The instructor will make reasonable accommodations for students in these situations; these may include altering dates of examinations and assignments, permitting a student to attend another section of the same course for a class period, or similar remedies. Instructors are not responsible for teaching material again. Instructors should inform students of these expectations at the beginning of the semester so that arrangements can be made accordingly. Grievances pertaining to the Religious Observances policy shall be handled according to usual college policies and procedures.

On Time Registration

For each session, new, degree-seeking students have until Tuesday and continuing and/or non-degree-seeking students have until Thursday before an instructional session begins to register. After these deadlines have passed, students will be directed to choose from classes available in the next instructional session of the same semester.

Drop/Withdrawal Procedures

Student-initiated Action

A student enrolling in a class automatically assumes certain responsibilities. One of these responsibilities is to properly drop or withdraw from a class if the student decides not to take or complete the course. A student, having been enrolled in a class, remains enrolled until the student initiates a drop or a withdrawal or the student is administratively dropped or withdrawn (see Faculty/Administrative Action section).

Drops and withdrawals. Students have the privilege of dropping a class without the drop becoming part of their permanent academic record during specified drop periods. For all classes, regardless of semester and length of session, drops may be done during the first week of instruction. (The "week" ends on Sunday at 11:59 p.m. regardless of which day of the week the first class meeting falls.) A refund of tuition and fees is given when a class is dropped. After the drop period, students may withdraw themselves from classes with a grade of W recorded on their permanent academic record. No refunds are given. Student-initiated withdrawals may be done up to 5 p.m. on the last business day of the penultimate week of instruction for a class. Students are responsible for submitting the withdrawal request in writing to the Office of Admissions and Records. Withdrawals may not be done online in the student portal, by telephone, or by email. The specific dates for drops and withdrawal for standard class sessions are published online and in the class schedules. Students should consult class syllabi for withdrawal deadlines for non-standard class lengths. Failing to withdraw properly from a class may result in receiving a failing grade of F for that class.

Faculty/Administrative Action

Developmental drops. In keeping with the college's On Time Registration policy for students who place into developmental classes, students who miss the first two meetings of a developmental class will be dropped without record on the recommendation of the instructor. The course will not appear on the student's permanent academic records and a full refund will be given. Dropped students will be given the opportunity to register for late-start developmental classes.

Faculty-initiated withdrawals. At the census day immediately following the student drop period, faculty members will initiate the administrative withdrawal process for students who have never attended. After the census date and at any time up until midterm, faculty members will initiate the administrative withdrawal process for students who have ceased to attend. Attendance in an online class is measured in terms of student participation in online class discussions or contact with the faculty member.

At midterm, faculty members are required to certify students' attendance according to the requirements of the Illinois Community College Board. Each faculty member must sign the following statement at midterm: "I hereby certify that the above listed students, unless (W) grade has been marked, are currently attending and actively pursuing completion of the course at midterm, and I have proper documentation to support this certification." At midterm or at any other time prior to midterm, the faculty member may administratively withdraw any student who does not satisfy the conditions of the previous statement. After midterm, faculty cannot withdraw any student; withdrawal from a class must be done by the student prior to the withdrawal deadlines published online and the class schedule. All faculty-initiated withdrawals result in a W grade on the permanent academic record. No refunds are given.

Should a student who has been administratively withdrawn return to class and the faculty member determines it is possible for the student to earn a quality grade, the faculty member may complete and submit the appropriate form to the Office of Admissions and Records. The student will be allowed to re-register for the class with no additional tuition and fees, assuming that the student has not received any refund. The Business Office will determine whether additional tuition and fees are due.

Other administrative withdrawals. A student also may be withdrawn from a course by administrative action as a result of emergency or disciplinary procedures under the provisions of board policy on student rights and responsibilities. Administrative withdrawals result in a W grade on the permanent academic record. No refunds are given.

Financial aid implications. Students are responsible for understanding that student-initiated withdrawals or administrative withdrawals may result in loss of financial aid.

Exceptions to Drop/withdrawal Procedures

Request for late withdrawal. A student may appeal a grade to the dean of academic services in cases where F grades have been recorded because a student was unable to officially withdraw. The student may petition the dean of academic services for retroactive withdrawal from any and all courses in the semester in question. The student must provide verifiable evidence of the cause for failing to withdraw properly. The student has until the end of the fall or spring semester following the semester in question to submit an appeal for retroactive withdrawal. If the petition is granted, the grades will be changed to W by the Office of Admissions and Records.

Requests for medical withdrawal. A student may petition the dean of academic services for a medical withdrawal from any and all courses in a semester. The student must provide documentation to verify the medical circumstances that prevent the completion of classes. Such a petition must be submitted no later than the end of the fall or spring semester following the semester in question. Medical withdrawals may be granted a billing adjustment for full or partial refund of tuition by the business office. Students receiving financial aid are not eligible for a billing adjustment.

Requests for drops without record. Official records may be expunged only by action of dean of academic services. Such action is to be used rarely and only in the most extenuating circumstances. A student when appealing to the dean for a drop without record must provide verifiable evidence of the circumstances. The student has until the end of the fall or spring semester following the semester in question to submit this appeal. If the petition is granted, the dean shall submit a signed document of the reasons for the action.

Students may appeal decisions made by the dean of academic services on exception requests to the Student Affairs Committee.

Change of Program Status (Program Code) Procedure

Students who wish to change their program status will need to complete a Program Code Change form available from the Office of Admissions and Records (U214). Students may submit these forms to the Office of Admissions and Records anytime during the semester.

Transcripts

A transcript is an official record of a student's academic history of course enrollment and achievements. All courses officially attempted are listed.

An official transcript is signed and dated by the director of admissions and enrollment management and sent from the Office of Admissions and Records directly to another institution or organization. All transcripts given to individuals will be stamped "Issued to Student," and it will be up to the receiving entity if they wish to consider the transcript as official. All transcripts are $3 each. Rush (same day) transcript orders may not be available during peak registration periods. Students may obtain a free unofficial copy of their transcript online. Official transcripts may be requested in person (with picture ID), by mail, or online (at www.studentclearinghouse.org). Written requests must include the signature of the student whose official record is being requested.

Parkland cannot forward the original or a copy of any document received by Parkland from another institution or agency to a third institution. Transcripts, test scores, and other documents must be requested by the student from the originating institution or agency.

Transfer of Credits from Other Accredited Institutions

Students who have earned college credit or a degree from another accredited institution may choose to have their transcripts evaluated for possible credit toward a degree or certificate at Parkland College. Transfer credit may be accepted from another college or university accredited by a regional accrediting association (e.g., the Higher Learning Commission, Southern Association, etc.). If the credit is not earned from such an institution, the transcript will not be evaluated nor transfer credit accepted. In addition, for credit to be applied toward a degree or certificate at Parkland, the

credit must have been earned at the time the institution was accredited. The following procedures must be observed:

- An application for admission must be on file in the Office of Admissions and Records, and the student must declare a program of study in a degree or a certificate. The evaluation of new students seeking a degree or certificate may not be completed until after the semester has begun because of the volume of evaluations being processed. Therefore, students should consult a counselor in selecting courses.
- An attempt will be made to evaluate all transcripts submitted. However, to ensure that an evaluation is done, the student should submit a completed transcript evaluation request form to the Office of Admissions and Records. This form is available from the Office of Admissions and Records. The evaluation process will begin *only* after all necessary documents have been received.
- Students will need to make arrangements to have an official transcript from the institution they previously attended mailed to the Admissions and Records office. Hand carried or "Issued to Student" transcripts will will be reviewed by the director of admissions and enrollment management or his/her designee. If the authenticity of the hand carried transcript is confirmed, it will be accepted. If there are questions about the authenticity of the transcript, the applicant will be notified.
- Notice of the completed transcript evaluation, indicating how the credit earned at another institution will be applied toward the degree, will be emailed to the student's official Parkland College email account.

Transfer of Credits to Four-year Institutions

Parkland is accredited by the Higher Learning Commission (see p. 10). This accreditation facilitates the transfer of credit to other colleges and universities across the country.

Students planning to transfer to senior colleges are responsible for selecting appropriate courses (see Course Patterns at www.parkland.edu/counseling and the Illinois transfer website, www.itransfer.org). Advisors and counselors are available to assist students with the transfer process.

Classification — Course Load

A freshman student at Parkland College is one who has earned fewer than 30 semester hours of credit. A sophomore student is one who has earned 30 or more semester hours of credit, excluding courses in progress.

A full-time student is one who is enrolled in 12 credit hours or more in a given semester. A part-time student is one who is enrolled in fewer than 12 credit hours in a given semester.

A full-time eligible student is one who has completed the application procedures and has submitted the required credentials to the Office of Admissions and Records. A student who has completed the application, submitted the appropriate transcripts, and declared that he or she is seeking a degree is classified as a degree-seeking student. An applicant who has completed the application, but has not supplied the college with transcripts from high school and/or college, is eligible to attend as a course enrollee. Course enrollees are not eligible for financial aid.

On Time Registration Limits on Maximum Course Load

In line with the On Time Registration policy (see p. 47), students of any classification who are eligible to take 16-week classes may enroll for up to 18 credit hours without special approval. Students who wish to take more than 18 credit hours must obtain the approval of a Parkland counselor or academic advisor. Students who are eligible to take only 13-week or shorter classes may enroll for no more than 13 credit hours. Students who are eligible to take only 8-week classes may enroll for no more than 8 credit hours. These limits apply to the fall and spring semesters.

Summer Session Maximum Course Load

A student is permitted to take no more than the equivalent of one credit hour per week of class, excluding any overlapping sessions.

Student Study Time Expectations

Two hours or more of study outside of class for each class hour of lecture/discussion are usually needed for satisfactory performance. Laboratories usually require outside work to complete reports and lab assignments.

Students who plan to work while attending Parkland should take study time into consideration when planning their schedules and consult their advisor or counselor for advice on a balance of working hours and credit hours carried. In general, 16 credit hours allow minimum time for work; 12 credit hours usually allow 10 hours per week for work; 8 credit hours allow 20 work hours.

Student Complaint Procedure Regarding Academic Matters

1. Class and course or grade concerns should be first discussed with the faculty member.
2. If the student is not satisfied with the faculty member's response or explanation, or if the student does not feel comfortable speaking with the faculty member, the student should meet with the department chair.
3. The department chair or designated equivalent should hear the student's concern and resolve it if it is a procedural or technical matter. If it is a personal or faculty member conflict matter, the chair should hear it out and then:
   a. recommend that the student discuss it with the faculty member, if appropriate and not already discussed,
   b. discuss the matter with the faculty member
      (i) with the student present, if student so desires,
      (ii) without the student present, if student so desires, or
      (iii) after the semester grades are submitted, if the student fears that his or her grade may be jeopardized (this session may or may not include the student).

   Students and faculty must know that any student complaint will be discussed with the faculty member either at the time of the complaint or at the end of the term.
4. If the student is not satisfied with the department chair's response or explanation, the student should see the divisional dean, who will hear and ask if the student has discussed the matter with the faculty member and department chair, if appropriate. The divisional dean will resolve the matter if it is a procedural or technical matter. If the matter is personal or a faculty member conflict, the divisional dean will discuss the matter with the faculty member and/or the department chair, as the student desires. The department chair and/or the faculty member will be notified after the semester grades are submitted if the student fears that his or her grade may be jeopardized.

   Students, faculty, and chairs must know that any student complaint will be discussed with the faculty member and chair either at the time of the complaint or at the end of the term.
5. If the student is still not satisfied with the response, the student should follow the student grievance procedures, or the grade appeal process printed in the Student Policies and Procedures Manual. Information on these processes is available on the web at www.parkland.edu/studentLife/policies. The student should note that utilizing the grade appeal process precludes the student from using the student grievance hearing process (and vice versa) for the same occurrence.

Educational Programs

Contents

General Information

To meet the broad range of student objectives, Parkland College offers several types of instructional programs, study alternatives, and academic support services. Parkland's two-year Associate in Applied Science (A.A.S.) degree and one-year Certificate career programs prepare students for immediate employment in a wide variety of career fields. The Associate in Arts (A.A.), the Associate in Science (A.S.), the Associate in Engineering Science (A.E.S.), and the Associate in Fine Arts (A.F.A.) transfer degrees are available for students planning to complete the first two years toward a bachelor's degree at Parkland and then transfer to a four-year college or university for study in a specific major. The General Studies program (A.G.S.) is designed for students who wish to earn an associate's degree but not in a specific career or transfer area.

Developmental programs provide students with academic deficiencies an opportunity to prepare themselves for college-level work. Many continuing education courses and workshops that enhance personal and professional growth are available to all district residents. Free classes offered through the Adult Education program enable adults to earn a high school equivalency diploma (GED).

A wide variety of other educational programs and academic support services available at Parkland are described in this section.

Educational Guarantees

Career and Technical Programs

Parkland College guarantees that graduates in all career associate's degree (A.A.S.) and certificate programs will have acquired skills needed by employers. Parkland College will provide training in specific skill areas, at no cost to the student, when the program completer and/or the employer states that the individual lacks specific skills that are directly related to his or her position in the occupation for which he or she received training at Parkland. Time limits and other restrictions may apply. Further information regarding educational guarantees related to career programs may be obtained by contacting Parkland's dean of career and transfer programs at 217/351-2218.

Transfer Courses

Parkland College additionally guarantees that Parkland students who complete the requirements for baccalaureate-oriented associate's degrees can transfer all credits in courses selected with the assistance of a Parkland College counselor to a specified four-year college or university in Illinois as planned. If a course selected with the assistance of the college does not transfer, Parkland will refund the tuition for the course. The transfer guarantee is accessible to full- and part-time students.

Joint Educational Agreements

Parkland College has joint educational cooperative agreements with Illinois community colleges that allow Parkland district residents to enroll in a degree and/or certificate program in a career area not available at Parkland at the cooperating college's in-district tuition rate. The colleges and programs offered follow.

Joint Educational Programs for Parkland District Residents

Students will take all specialized courses at the cooperating college. Related technical and general education courses required in the programs may be taken either at Parkland or at the cooperating college. The cooperating college will issue all degrees or certificates for successful completion of the programs. Additional information is available from the director of admissions at the college offering the program or from the dean of career and transfer programs at Parkland, 217/351-2218.

Carl Sandburg College

2232 South Lake Storey Road; Galesburg, IL 61401; 309/344-2518

- Diagnostic Medical Sonography, Certificate*
- Nuclear Medicine, Certificate*

*Requires ARRT certification or registry eligibility for admission.

Danville Area Community College

2000 East Main Street; Danville, IL 61832; 217/443-8776

- Diagnostic Medical Sonography, Certificate
- Health Information Technology, A.A.S.
- Wind Turbine Technician, A.A.S.

Heartland Community College

1500 West Raab Road; Normal, IL 61761; 309/268-8000

- Emergency Services, Certificates (limited eligibility)

Joliet Junior College

1215 Houbolt Road, Joliet, IL 60431; 815/280-6629

- Agriculture Management: Swine Confinement, Certificate
- Culinary Arts, A.A.S.
  - Cookies/Pies/Petit Fours/Showpieces, Certificate
  - Breads/Cakes, Certificate
  - Desserts/French Pastry/Custards, Certificate
- Horticulture – Nursery Management, A.A.S.
- Nursery Operations, Certificate
- Library Technical Assistant, Certificate
- Meeting Special Events Planning, A.A.S. and Certificate
- Orthotics and Prosthetics, A.A.S.
  - Orthotics Technology, Certificate
  - Prosthetics Technology, Certificate
- Process Instrumentation Technology, Certificate
- Process Operations Technology, Certificate

Kankakee Community College

Box 888, River Road; Kankakee, IL 60901; 815/933-0345

- Air Conditioning and Refrigeration, A.A.S. and Certificate
- Medical Lab Technology, A.A.S.
- Paralegal/Legal Assistant Studies, A.A.S.

Lake Land College
5001 Lake Land Boulevard; Mattoon, IL 61938; 217/234-5253
- Cosmetology, Certificate
- Cosmetology, Teacher Certificate
- Cosmetology/Esthetics, Certificate
- Paramedical Services, A.A.S.
- Physical Therapy Assistant, A.A.S.
- 911 Communications, Certificate
- John Deere Ag Tech, A.A.S.

Lewis and Clark Community College
5800 Godfrey Rd; Godfrey, IL 62035; 618/466-7000
- Exercise Science, A.A.S. and Certificate
- Paralegal, A.A.S and Certificate
- Process Technology, A.A.S.

Lincoln Land Community College
Shepherd Road; Springfield, IL 62794; 217/786-2200
- Aircraft Maintenance Technology, A.A.S.
- Aviation Management/Airway Science, A.A.S.

Moraine Valley Community College
10900 South 88th Avenue; Palos Hills, IL 60465; 708/974-4300
- Eddy Current Evaluation Specialist, Certificate
- Industrial Radiography Evaluation, Certificate
- Nondestructive Evaluation Technology, A.A.S.
- Surface Evaluation Specialist, Certificate
- Ultrasonic Evaluation Specialist, Certificate

Rock Valley College
3301 North Mulford Road; Rockford, IL 61114; 815/654-4250
- Aviation Maintenance Technology, A.A.S. and Certificate

Parkland Joint Educational Programs for Illinois Residents

In addition, as part of these agreements, residents from the same Illinois community college districts can enroll in certain Parkland College degree and/or certificate career education programs at Parkland's in-district tuition rate. Programs at Parkland that are covered through these agreements are listed below. For more information, contact Parkland's dean of career and transfer programs at 217/351-2218.

Danville Area Community College
- Communication:
  - Broadcast Technology, A.A.S.
  - Media Arts and Production, A.A.S.
  - Photography, A.A.S.
- Construction Design and Management, A.A.S.
- Construction Design and Management
  - Contracting, A.A.S.
  - Land Surveying, A.A.S.
- Construction: Trade Technology, A.A.S.
- Construction Certificates:
  - Bricklayer, Carpentry, Concrete Specialist, Electrical Inside Wireman, Electrical Residential Wiring Technician, Electrical Telecommunication Installer/Technician, Floor Coverer, Glazier, Ironworker, Laborer, Millwright, Painting and Decorating, Plumbing and Pipefitting, Sheet Metal
- Dental Hygiene, A.A.S.
- Diesel Power Equipment Technology, A.A.S.
- Digital Media:
  - 3D Animation and Game Design, A.A.S.
  - 3D Computer Animation Software, Certificate
- Emergency Medical Services Certificates:
  - EMT (Basic), EMT (Paramedic)
- Emergency Medical Technician, Certificate
- Fire Service Technology, A.A.S., Certificate
- Graphic Design, A.A.S.
- Hospitality Industry:
  - Hotel/Motel Management, A.A.S., Certificate
  - Restaurant Management, A.A.S.
- Massage Therapy, Certificate
- Occupational Therapy Assistant, A.A.S.
- Personal Fitness Trainer, Certificate
- Radiologic Technology Certificates:
  - Computed Tomography, Magnetic Resonance Imaging
- Respiratory Care, A.A.S.
- Surgical Technology, Certificate
- Veterinary Technology, A.A.S.

Heartland Community College
- Agricultural Business Management, A.A.S.
- Agricultural Business:
  - Applied Agronomy, A.A.S
  - Grain Merchandising and Management, A.A.S.
  - Landscape Design, Construction, and Management, A.A.S.
  - Management, A.A.S.
  - Precision Ag Technology, A.A.S.
- Agri-Business, Certificate
- Agriculture, A.S.
- Automotive Technology, A.A.S.
- Automotive Service, Certificate
- Automotive Technician, Certificate
- Automotive Collision Repair:
  - Automotive Collision Estimating, Certificate
  - Automotive Welding, Certificate
  - Custom Automotive Design, Certificate
  - Refinishing, Certificate
  - Technician, A.A.S., Certificate
- Communication: Media Arts and Production, A.A.S.
- Construction Design and Management:
  - Building Construction and Repair, Certificate
  - Land Surveying, A.A.S.
- Diesel Power Equipment Technology, A.A.S.
- Fire Service Technology, A.A.S., Certificate
- Horticulture:
  - Floral Design, Certificate
- Hospitality Industry:
  - Foodservice, Certificate
  - Hotel/Motel Management, A.A.S.
  - Restaurant Management, A.A.S.
- Occupational Therapy Assistant, A.A.S.
- Radiologic Technology Certificates:
  - Computed Tomography, Magnetic Resonance Imaging
- Respiratory Therapy, A.A.S.
- Surgical Technology, A.A.S., Certificate

Illinois Valley Community College

- Agricultural Business:
  - Applied Agronomy, A.A.S.
  - Grain Merchandising and Management, A.A.S.
  - Management, A.A.S.
  - Precision Ag Technology, A.A.S.
- Automotive Collision Repair:
  - Automotive Welding, Certificate
  - Custom Automotive Design, Certificate
  - Estimating, Certificate
  - Refinishing, Certificate
  - Technician, A.A.S., Certificate
- Communication:
  - Broadcast Technology, A.A.S.
  - Media Arts and Production, A.A.S.
- Construction Certificates:
  - Bricklayer, Concrete Specialist, Electrical Inside Wireman, Electrical Residential Estimating, Certificate Wiring Technician, Electrical Telecommunication Installer/Technician, Floor Coverer, Glazier, Ironworker, Laborer, Millwright, Painting and Decorating, Plumbing and Pipefitting, Sheet Metal
- Construction Design and Management, A.A.S.
- Construction Design and Management:
  - Contracting, A.A.S.
  - Land Surveying, A.A.S.
- Construction: Trade Technology, A.A.S.
- Dental Hygiene, A.A.S.
- Digital Media:
  - 3D Animation and Game Design, A.A.S.
  - 3D Computer Animation Software, Certificate
  - 3D Software Development, Certificate
  - Web Design, A.A.S.
- Fire Service Technology, A.A.S.
- Horticulture:
  - Floral Design, Certificate
  - Landscape Design, Construction, and Management, A.A.S.
- Hospitality Industry:
  - Foodservice, Certificate
  - Hotel/Motel Management, A.A.S.
  - Restaurant Management, A.A.S.
- Occupational Therapy Assistant, A.A.S.
- Radiologic Technology, A.A.S.
- Radiologic Technology Certificates:
  - Computed Tomography, Magnetic Resonance Imaging
- Respiratory Care, A.A.S.
- Surgical Technology, A.A.S., Certificate
- Veterinary Technology, A.A.S.

Kankakee Community College

- Agricultural Business:
  - Applied Agronomy, A.A.S
  - Grain Merchandising and Management, A.A.S.
  - Precision Ag Technology, A.A.S.
- Agricultural Business Management, A.A.S.
- Agri-Business, Certificate
- Automotive Collision Repair:
  - Automotive Welding, Certificate
  - Custom Automotive Design, Certificate
  - Estimating, Certificate
  - Refinishing, Certificate
  - Technician, A.A.S., Certificate
- Communication:
  - Broadcast Technology, A.A.S.
  - Media Arts and Production, A.A.S.
- Hospitality Industry:
  - Hotel/Motel Management, A.A.S.
  - Restaurant Management, A.A.S.
- Occupational Therapy Assistant, A.A.S.
- Radiologic Technology Certificates:
  - Computed Tomography, Magnetic Resonance Imaging

Lake Land College

- Automotive Collision Repair, A.A.S.
- Fire Service Technology, A.A.S., Certificate
- Hospitality Industry:
  - Foodservice, Certificate
  - Hotel/Motel Management, A.A.S., Certificate
  - Restaurant Management, A.A.S.
- Occupational Therapy Assistant, A.A.S.
- Radiologic Technology, A.A.S.
- Radiologic Technology Certificates:
  - Computed Tomography, Magnetic Resonance Imaging
- Respiratory Therapy, A.A.S.
- Surgical Technology, A.A.S., Certificate

Lewis and Clark Community College

- Hospitality Industry:
  - Foodservice, Certificate
  - Hotel/Motel Management, A.A.S., Certificate
  - Restaurant Management, A.A.S.

Lincoln Land Community College

- Respiratory Therapy, A.A.S.

Richland Community College

- Automotive Collision Repair, A.A.S.
- Automotive Collision Repair:
  - Automotive Welding, Certificate
  - Custom Automotive Design, Certificate
  - Estimating, Certificate
  - Refinishing, Certificate
  - Technician, A.A.S., Certificate
- Building Construction and Repair, Certificate
- Communication: Media Arts and Production, A.A.S.
- Construction Certificates:
  - Bricklayer, Carpentry, Floor Coverer, Glazier, Ironworker, Laborer, Millwright, Painting and Decorating, Plumbing and Pipe Fitting, Sheet Metal
- Construction Design and Management, A.A.S.
- Construction Design and Management:
  - Contracting, A.A.S.
  - Land Surveying, A.A.S.
- Construction: Trade Technology, A.A.S.
- Dental Hygiene, A.A.S.
- Diesel Power Equipment Technology, A.A.S.
- Equine Management, A.A.S., Certificate
- Occupational Therapy Assistant, A.A.S.
- Radiologic Technology Certificates:
  - Computed Tomography, Certificate
  - Magnetic Resonance Imaging, Certificate
- Respiratory Care, A.A.S.

Special Academic Programs and Career Program Services

Agriculture Training Institute

The Agriculture Training Institute expands the availability of agricultural, horticultural, and equine training and instruction. The institute provides supplemental and continuing education through traditional credit courses, vocational skills courses, and special workshops in the areas of agriculture, horticulture, agri-business, and the equine industry are offered at times which complement the seasonal constraints of the agricultural community. Many of these courses meet in the Tony Noel Agricultural Technology Applications Center on the Parkland campus. For more information, call the Agriculture Training Institute at 217/351-2213.

Case New Holland Diesel Power

As a joint agreement between Case New Holland and Parkland College, the CNH Service Technician program prepares students to maintain and repair equipment used in a Case New Holland agricultural or construction equipment dealership. Candidates for this program must be sponsored by a CNH dealership within a 175-mile radius of Parkland College. Students will work in the dealerships for two periods of time over the duration of the program of study. Based on successful completion of the degree, students will be transitioned into full-time employment with their respective dealerships.

For more information, call the Engineering Science and Technologies department at 217/351-2481.

Ford ASSET

As a joint agreement between Ford Motor Company, Ford and Lincoln dealers, and Parkland College, the Ford ASSET (Automotive Student Service Educational Training) program is designed to develop entry-level, product-trained service technicians for Ford and Lincoln dealerships. Since enrollment is limited, students are encouraged to submit their admission applications, indicating interest in the ASSET program, as early as possible.

The ASSET program is an intensive professional training program, requiring strong student commitment and solid academic preparation and skills in reading and mathematics. Application to the program is open to any student who is interested in a highly skilled professional technical career in the automotive dealership setting.

For more information or assistance, call the ASSET program director at 217/373-3765.

Early College and Career Academy

The Early College and Career Academy (ECCA) is a collaboration between the Education for Employment #330 (EFE) K-12 Career and Technical Education cooperative and Parkland College. The ECCA will provide an opportunity for high school juniors and seniors to earn dual credit upon completion of Parkland College courses in manufacturing, automotive technology, computer networking, health professions, emergency medical services, and criminal justice beginning fall 2015. All of these courses will be provided at Parkland College. In several programs, students will have the opportunity to earn professional licenses, industry-recognized certifications, and/or Parkland certificates. The EFE 330, located in Room A113 at Parkland College, will work with Parkland to administer the program.

Parkland Pathway to Illinois

Parkland Pathway to Illinois is a program in which students can begin college at Parkland and seamlessly transfer to the University of Illinois at Urbana-Champaign. This is an opportunity for qualifying students to gain guaranteed transfer admission to Illinois. While preparing to transfer, participating students will be able to integrate their experience as full-time Parkland College students while utilizing resources and classes at Illinois. For more information, including the participating colleges and majors at Illinois, call Parkland's Office of Admissions and Records at 217/351-2482, or visit www.parkland.edu/admissions and select Parkland Pathway to Illinois.

High School Articulation Agreements

Articulation agreements have been developed between Parkland College and local high schools and vocational centers to minimize duplication of course content for career program students who complete occupational sequences in high school and wish to receive advanced training at Parkland. Individuals can convert credits for high school course work to credits toward a Parkland College degree through fulfillment of specific requirements in identified courses, or through passing a proficiency examination.

Currently, articulation agreements are in effect for *Agri-Business; Applied and Technical Mathematics; Automotive Technology; Building Construction and Repair; Child Care; Computer-Aided Drafting (AutoCAD); Construction Design and Management; Electronics; Foodservice; Health Professions; Industrial Technology; Office Professional;* and *Welding* courses.

For more information, contact the appropriate Parkland College department chair or the dean of career and transfer programs. Information is also available through high school guidance counselors.

Dual Credit

Dual credit courses are sponsored jointly by high schools in District 505 and Parkland College. The program allows high school students 16 years of age and older to take college credit classes while they are still in high school to earn both high school and college credits. As long as students meet the Parkland class prerequisites and have the written approval of their schools and parents, they may take:

- Online classes
- Parkland classes specifically for high school students
- Regular Parkland classes on campus or at off-campus sites.

For more information, call 217/353-2663.

First-Year Communities

Students can enhance their college experience in one of several First-Year Communities designed to enrich students' social and educational experiences. First-Year Communities, part of Parkland's ongoing commitment to a powerful

first year experience, are offered for students with different majors or career interests. They are also an important component of the college's minority student retention initiatives. First-Year Communities encourage students to actively use the skills they are learning in one course and apply it to the content in their other courses. Social activities may be planned for the students so they can get to know each other, their instructors, and their campus. For more information, contact the Center for Academic Success at 217/353-2005 or the dean of academic services at 217/373-3709 or visit www.parkland.edu/communities.

Dental Hygiene Clinic

For $10 a semester, the public can receive a medical history review and blood pressure screening, oral examination, oral cancer screening, oral hygiene instruction, dental cleaning, fluoride treatment, X-rays, and pit and fissure sealants. Teeth bleaching is provided at an additional cost. Each appointment is approximately three and one-half hours long and must be made in advance by calling 217/351-2221. There is no charge for children under 11, adults over 65, Medicaid recipients, or Public Aid recipients. *Children under the age of four cannot be treated.*

Massage Therapy Clinic

The public can receive one-hour massages for $10 from students in the massage therapy program during spring and summer semesters. Interested individuals should make an appointment in person at the Health Professions department (Parkland on Mattis location), 1309 N. Mattis Ave., Champaign. Appointments will be taken only on the Tuesday following the Martin Luther King, Jr. holiday between 11 a.m. and 7 p.m.

Transfer Agreements

Parkland has articulated agreements with specific universities to ensure ease in transfer of credits upon completion of studies at Parkland. Departmental and counseling offices have copies of the agreements and equivalencies to assist the student in determining which courses will transfer to a given university.

Associate in Arts, Associate in Science, Associate in Engineering Science, and Associate in Fine Arts degree students, who early in their academic program of study identify the senior institution to which they will transfer and who comply with terms of the agreements, may expect to complete baccalaureate requirements within the same period of time and with nearly the same course work experience as if they had spent their entire academic career on the campus of the senior institution to which they transfer.

Parkland also participates in the articulation compact program, which states: "A transfer student in good standing who has completed an associate's degree based on a baccalaureate-oriented sequence from an Illinois community college shall be considered to (a) have attained junior standing; and (b) have met lower division general education requirements of senior institutions." This compact has greatly improved the transfer process of Parkland students to state universities because it ensures that students who complete an Associate in Arts (A.A.) or Associate in Science (A.S.) degree are given junior standing at the university and that their lower-division general education requirements for a bachelor's degree are satisfied.

The following Illinois state universities honor the compact:

- Chicago State University
- Eastern Illinois University
- Governors State University
- Illinois State University
- Northeastern Illinois University
- Northern Illinois University
- Southern Illinois University at Carbondale
- Southern Illinois University at Edwardsville
- University of Illinois at Springfield
- Western Illinois University

Illinois Articulation Initiative

The Illinois Articulation Initiative (IAI) (www.itransfer.org) is a comprehensive state-wide articulation effort among colleges and universities in Illinois. This effort includes public community colleges, public universities, and private colleges and universities. This also includes the articulation of lower-division general education and major field courses. The following summary highlights the major features of the initiative.

1. One of the main features of the IAI is the General Education Core Curriculum, a list of statewide articulated general education courses that will be accepted for transfer by all participating colleges and universities in Illinois.
   a. Students who complete the A.A. or A.S. degree, or the A.F.A. or A.E.S. degree with the additional course work to complete the General Education Core Curriculum, will have their lower-division general education core requirements satisfied at the participating Illinois university to which they transfer.
   b. Students who complete and attain certification of the General Education Core Curriculum at any participating college or university in Illinois will have their lower-division general education requirements met upon transfer to another participating college or university in Illinois.
   c. The General Education Core Curriculum and the list of statewide articulated general education courses are a great advantage for students who are undecided about what university they want to attend after transfer, or who are undecided about their major because these courses will transfer to all participating colleges and universities in Illinois.
2. Another feature of the initiative is the IAI Baccalaureate Majors' Recommendations (IAI Majors). IAI Majors describe courses typically taken by freshmen and sophomores for a specific major. These course recommendations are meant for students who are undecided about a transfer school. Students who know where they want to transfer should see that school's catalog and an admissions counselor for specific advice.
3. The General Education Core Curriculum, the program guides for the major fields, and the statewide list of articulated courses greatly help counselors and academic advisors provide accurate information on the articulation of courses to students planning to transfer.

Parkland College's Participation in the Illinois Articulation Initiative

As a participant of the Illinois Articulation Initiative (IAI), Parkland College will observe the following procedures concerning the adoption and implementation of the agreements associated with the IAI:

- The IAI agreement is in effect for students entering an associate's or baccalaureate degree-granting institution as a first-time freshman in summer 1998 (and thereafter).
- Students who enter college as a first-time freshman in summer 1998 or thereafter and who complete an A.A. or A.S. degree at Parkland will be certified as having completed the General Education Core Curriculum.
- Students who enter college as a first-time freshman in summer 1998 or thereafter and complete the general education core but do not receive an A.A. or A.S. degree must formally request the Office of Admissions and Records to certify completion of the core by submitting a Petition to Certify General Education Core Curriculum form.
- Completion of the General Education Core Curriculum will be noted on the official transcript.
- Parkland College will recognize all of the courses on the approved list of courses taken at any participating college or university for credit toward fulfilling Parkland College's Core Curriculum requirements.
- Courses with D grades or better are acceptable for evaluation for the core curriculum requirements, but students must have a minimum of 2.0 GPA in the courses which count toward the core in order to be certified as having completed the core. Exception: The ENG 101-102 and the ESL 101-102 two-course sequence in writing (6 semester credits) requires a C grade or higher.
- In order to complete the transferable General Education Core Curriculum, students need to complete a minimum of 15 credit hours of the core in residence at Parkland College.
- Evaluation of courses taken at out-of-state or at non-participating in-state, accredited colleges and universities will be completed by the Office of Admissions and Records after the student submits the formal request for certification for the General Education Core Curriculum.
- Students who do not complete the General Education Core Curriculum at Parkland College may not transfer credits back from a subsequent transfer institution to complete the core. However, students may transfer back a maximum of 15 credit hours to complete a degree.
- Parkland College will waive a fraction of a semester hour completed in an approved course of the General Education Core Curriculum at a participating college or university. However, students must complete a minimum of 37 semester hours to satisfy the Parkland College General Education Core Curriculum requirements.
- Students who have not decided on a major should begin their studies by enrolling in courses within the transferable General Education Core Curriculum. They should seek assistance from an academic advisor or counselor about career planning since delay in selecting a major may extend the time necessary to complete a degree. Furthermore, once a student has begun work toward a particular major, a change in major may increase the number of credits needed to complete a bachelor's degree because some courses completed for the original major may no longer fulfill requirements for the new major.
- Students must earn a passing letter grade in each course used to fulfill requirements. Passing scores (based on national norms) on appropriate AP and CLEP exams may be used to fulfill requirements for students who earn an Associate in Arts or an Associate in Science degree prior to transfer. For other students, receiving institutions will follow established (local) credit policies.

Concurrent Enrollment— University of Illinois and Parkland College

The University of Illinois at Urbana-Champaign (UIUC) and Parkland College have a concurrent enrollment agreement that permits Parkland students to enroll in UIUC courses that are not available at Parkland while the students are also enrolled at Parkland. Similarly, UIUC students may enroll in selected Parkland courses after consulting their UIUC academic advisor. (See registration procedures on p. 26.)

Parkland students should contact the director of the Counseling and Advising Center (U276; 217/351-2555). UIUC students may submit documentation in person at the Office of Admissions and Records (U214), via email at registration@parkland.edu, or by fax at 217/353-2640.

2+2 Agreements

Parkland College has developed 2+2 articulation agreements with selected universities to provide students the opportunity to obtain bachelor's degrees in technical and other specific fields. Under the 2+2 agreement, Parkland graduates who have earned Associate in Applied Science (A.A.S.) degrees in specific occupational programs or A.A. or A.S. degrees with specific course work can transfer to the cooperating four-year institution, usually with junior standing. Check specific agreements with the Counseling and Advising Center (U276). Currently, the following 2+2 agreements are in effect:

Bradley University

Engineering
Manufacturing Engineering Technology
Nursing

Colorado State University Global Campus

Colorado State University Global Campus offers a variety of advanced degrees and degree specializations, all offered in an online format. Tuition relief is available for students transferring to CSUGC within one year of their graduation from Parkland. Contact the Parkland Adult Re-entry Center at 217/353-2666 for additional information.

Columbia College

Management

DePaul University

Animation
Computer Games Development:
  Production and Design Concentration
Computer Graphics and Motion Technology:
  Tech Designer

Eastern Illinois University

Parkland programs:
- 3D Graphics Programming
- Automotive Collision Repair
- Automotive Technology
- Biology
- Business
- Business Administration
- Child Development
- Communication:
  - Media Arts and Production
- Construction Design and Management
- Criminal Justice
- Diesel Power Equipment Technology
- Electronic Control Systems
- Ford ASSET
- General Studies
- Geography
- Geology
- Industrial/Manufacturing Technology
- Network Administration and Support
- Nursing
- Office Professional
- Software Development
- Web Programmer

EIU programs:
- Business Administration
- General Studies
- Organizational and Professional Development
- RN to B.S. Nursing
- Sociology

Franklin University

- Accounting
- Applied Management
- Applied Psychology
- Business Administration
- Business Economics
- Business Forensics
- Computer Science
- Criminal Justice
- eMarketing
- Financial Management
- Financial Planning
- Forensic Accounting
- Healthcare Information Management
- Healthcare Management
- Human Resources Management
- Information Systems Auditing
- Information Technology
- Interactive Media Design
- Interdisciplinary Studies
- Management
- Management Information Sciences
- Marketing
- Operations and Supply Chain Management
- Organizational Communications
- Public Administration
- Public Relations
- Public Safety Management
- RN-BSN
- Safety, Security, and Emergency Management
- Social Media Design
- Web Development

Greenville College

- Organizational Leadership

Illinois State University

- Agricultural Business Management to Agri-Business
- Construction Design and Management to Industrial Technology
- Graphic Design
- Nursing to Health Education
- Occupational Therapy Assistant to Health Education
- Radiologic Technology to Health Education
- Respiratory Care to Health Education
- Software Development

Indiana Wesleyan University

- Accounting
- Addictions Counseling
- Biblical Studies
- Business Administration
- Business Information Systems
- Criminal Justice
- General Studies
- Management
- Marketing
- Nursing

Lakeview College of Nursing

- Nursing

Millikin University

- Accounting
- Business Administration
- Criminal Justice Education
- Early Childhood Education
- Elementary Education
- Nursing

Olivet Nazarene University

- Nursing

Palmer Chiropractic College

- Chiropractic

Regis University (Denver, CO)

- Accounting
- Applied Psychology
- Business Administration
- Business Technology Management
- Communication
- Computer Information Systems
- Computer Networking
- Computer Science
- Criminology
- Finance
- Marketing
- Public Administration

Saint Mary-of-the-Woods College (IN)

- Associate in Arts Degree
- Associate in Science Degree

Southern Illinois University (Carbondale)

- Capstone Program
  - Agricultural Business Management
  - Automotive Technology
  - Construction Design and Management
  - Criminal Justice
  - Electronic Control Systems Technology
  - Fire Service Technology
  - Hospitality Industry:
    - Restaurant Management
    - Hotel/Motel Management
  - Network Administration and Support
  - Software Development

Springfield College of Benedictine University

- Business
- Economics
- Psychology

University of Illinois (Chicago)

- Nursing

University of Illinois (Springfield)

- Business Administration
- Computer Sciences
- English
- History
- Liberal Studies
- Mathematical Sciences
- Network Administration and Support
- Philosophy

University of St. Francis

- Health Care Leadership
- Nursing

Western Illinois University

- Agricultural Business Management
- Agriculture
- Business
- Computer Science
- Construction Technology
- Criminal Justice
- General Studies BOT
- Physical Education (Nonteaching)

William Woods University (Fulton, MO)

- Business Administration

Military Transfer Agreements

Servicemembers Opportunity College (SOC). Colleges and universities participating in SOC agree to overcome most of the obstacles in higher education for persons serving in the military. Accordingly, Parkland College will award college credit to servicemembers for learning acquired in nontraditional ways within the guidelines of the American Council on Education.

As a part of SOC, Parkland is also a participant in the CONAP System of the United States Army. CONAP (Concurrent Application) allows recruits to the Army to be admitted into Parkland at the time of entry into the Army. Under CONAP, students will be committed to the graduation criteria of the catalog of the year in which they are admitted regardless of date of enrollment. Students will also have the option to graduate under the requirements of any subsequent catalog. All other agreements applying to the SOC students will also apply to the CONAP students.

Further information about SOC and CONAP may be obtained from the director of counseling.

Academic Support Services

Parkland College provides a number of other services designed to support and assist students in their academic pursuits.

Center for Academic Success

The Center for Academic Success (CAS) in D120 is Parkland's one-stop learning center providing academic support for all students. CAS provides four primary kinds of academic and student support to help college students succeed: walk-in learning assistance and tutoring; modules and tutorials; advising and personal planning; and student orientation, advising, and registration (S.O.A.R.). We also provide special programming that focuses on first year success and beyond. Most of the services are free and provided on a walk-in basis or by appointment. For hours, call 217/353-2005 or see www.parkland.edu/cas.

Math Faculty Tutoring. Experienced math faculty provides hands-on tutoring and instruction to students in MAT 060, 072, 097, and 098. Students are encouraged to work on math assignments in this tutoring area and receive immediate guidance and help.

Peer Tutoring Program. The Peer Tutoring Program is designed to help students understand course material, complete assignments, and prepare for tests. Peer tutors are students who have excelled in their classes and received tutor training. Tutoring is available for accounting, biology, chemistry, computer information systems, computer science, economics, mathematics, physics, Spanish, and others.

Writing Lab. The Writing Lab provides writing help for students, faculty, and staff. It is staffed by experienced English instructors who will work with writers at any stage of the writing process: understanding an assignment, developing a focus, organizing a paper, researching, drafting a paper, documenting resources, and using correct grammar and punctuation. Assistance is given for writing assignments in any Parkland course. Writing help is also offered for personal essays for transfer and scholarship applications and cover letters for employment.

Student Orientation, Advising, and Registration (S.O.A.R.) A comprehensive new student orientation enhances first-year student success.

First Year Experience Programming. CAS offers a First Year Experience course (FYE 101) that will help students succeed in college and beyond. Includes self-assessment, goal setting, educational and career planning, time management, interpersonal communication, and personal development.

COMPASS Test Prep Workshops. Free two-hour workshops offered throughout the semester to help students prepare for COMPASS placement test.

Study Skills. The academic development specialists provide study skills and test-taking strategies for students in any course. Specialized study skills tutorials are offered for students on academic probation.

Academic Advising and Personal Planning. CAS provides students with academic advising and personal planning services. A team of experienced student development advocates and an academic advisor help students understand placements, choose appropriate classes, and do long-term academic planning. They serve as student liaisons with faculty and student services departments to promote student success.

Academic Development Lab. CAS provides academic development specialists who will work one-on-one with students to acquire college-ready math, reading, study, and writing skills. The lab is also equipped with learning software to support students in improving academic skills.

Instructional Modules. Modules are lab-based equivalents of traditional classroom courses. Instructors use alternative teaching/learning approaches to help all students learn and succeed. CAS offers modularized pre-college classes: developmental reading (CCS 098,099), writing (ENG 098,099), and math (MAT 060). Each module is a one-credit-hour course. Enrollment is based on instructor referral with program director and/or department chair approval. For more information, visit CAS (D120) or call 217/351-2441.

Supplemental Tutorials. CAS offers one- to two-credit hour tutorials that provide extra assistance to help students succeed in a variety of courses: reading, writing, math, elementary chemistry, TEAS test prep, and ESL/ENG grammar and writing.

Presentation Center

Communication faculty provide one-on-one coaching to help students or staff members practice presentations, cope with speech anxiety, develop and organize solo or group presentations, and improve oral communication skills. Services are free and provided on a drop-in basis or by appointment. Visit the Presentation Center in C151, email presentationcenter@parkland.edu, or go to faa.parkland.edu/communication/lab.html for more information about drop-in hours.

Tech Service Desk

Tech Service Desk staff assist students, faculty, and staff with technical issues, Parkland system questions, and password resets.

Located in room A184, Tech Service Desk hours are 7:30 a.m. to 6 p.m., Monday–Thursday, and 7:30 a.m. to 5 p.m., Friday. A satellite location in the Parkland Library is open from 10 a.m. to 2p.m., Monday–Thursday, and 10 a.m. to noon on Friday. Answers to questions can also be found in the Parkland College KnowledgeBase at kb.parkland.edu.

Service Learning

Parkland College encourages a campus-wide commitment to community involvement through a variety of organizations, academic service learning, and volunteer efforts. Service learning strives for a reciprocal relationship between the college and the community with tangible benefits for both. Through service learning activities, students gain an awareness of personal and civic responsibility through the application of learned skills and critical reflective thinking directed towards the common good.

Students, faculty, and potential community partners who wish to learn more about opportunities to learn in community-based activities, who wish to design service learning modules, or who know of community needs that could be addressed by partnership with Parkland may contact the service learning coordinator at 217/351-2534 or bnudelman@parkland.edu, or see www.parkland.edu/academics/service-learning.

Honors Program

The Parkland Honors Program is open to all students who have demonstrated consistent academic excellence, motivation, and leadership. The objectives of the program include integrating academic study and extracurricular projects; bridging school, community, and the workplace; fostering collaboration among faculty and students; and promoting a synthesis of various academic disciplines.

Students will be accepted into the Honors Program based on any one of the following: high school GPA, SAT score, ACT score, placement into ENG 106, Parkland GPA in 100 and 200 level courses, or Honors Application Essay. Students must apply for admission into the Honors Program, and the director of the Honors Program may interview each applicant before admission is confirmed.

After being admitted to the Honors Program, students may receive a scholarship each semester they successfully complete an honors project.

To graduate as an Honors Program Scholar, students must have a 3.5 GPA, participate in the annual Honors Symposium, participate in the Honors Graduation Convocation, and earn three honors credits. Credits are earned by completing A with honors projects, doing independent honors projects, or participating in an honors class. Students may complete A with honors projects in many Parkland classes but professors are not required to allow honors projects. One of the three required honors credits must be a service learning project. An honors designation will appear on the transcripts and diplomas of all students who meet Honors Program graduation requirements.

For information about the Honors Program, contact the honors program director at 217/373-3739 or mjones@parkland.edu, or visit www.parkland.edu/honors.

Programs of Study

Contents

Graduation

Conferral of Degrees and Certificates

Associate degrees and certificates are conferred at the end of each semester. Students who plan to graduate are encouraged to file a Petition to Graduate form early in the term prior to the semester in which they anticipate graduation. This form must be on file in the Office of Admissions and Records (U214) no later than the twelfth week of the fall or spring semester, the third class day of the early summer session, and the sixth week of the full summer session.

Commencement is held each year at the completion of the spring semester. All students who have graduated with an associate degree or certificate of 30 or more credits since the last commencement, or who expect to graduate at the end of the spring semester or the following summer session, are encouraged to participate.

Graduating with Honors

To recognize students who have demonstrated academic excellence in their pursuit of higher education, Parkland College will publicly acknowledge those graduating students who have achieved at least a 3.50 program GPA with a minimum of 30 credit hours of 100–299 level course work applicable to the program at Parkland College as "Graduating with Honors." The designation "Graduation with Honors" will be stated on the student's transcript and diploma. See p. 60 for Honors Program requirements.

Graduation Requirements

It is the student's responsibility to know and fulfill all degree/certificate academic requirements and graduation procedures. The advisor's role is to assist the student in making decisions.

Although academic program requirements may change with each edition of the college catalog, students may graduate under the current program requirements or any program requirements in effect since their first enrollment. Students in a transfer program may change majors and may graduate under the current transfer program requirements or any transfer program requirements in effect since their first enrollment. Students whose enrollment has been interrupted for two years (or more), four successive semesters (excluding summers), must follow the graduation requirements of the catalog in effect at the time of reentry or any catalog published after reentry. Students entering Parkland College under Army Reserve and National Guard (ARNG) and/or Servicemembers Opportunity Colleges Associate's degree (SOCAD or CONAP) programs will be given opportunities to complete their programs under the conditions of their student agreements.

The grade point average used to determine eligibility for graduation in degree and certificate programs includes only courses that are counted for the degree/certificate. This grade point average is called the *program* GPA (see p. 44).

- For A.A.S. degrees and certificates, required courses and all electives that are eligible to be counted for the degree/certificate will be included in the calculation. If a student takes more electives than are required for the degree/certificate, all eligible electives will be used in calculating the program GPA.
- For A.A., A.S., A.E.S., and A.F.A. degrees, all courses numbered 100–289 (except courses with ALS prefixes) with an even or zero middle digit will be included in the calculation.
- For the A.G.S. degree, all courses numbered 100–299 will be included in the calculation.

The program GPA will not include any courses numbered below 100 and above 299. The program GPA will include only courses completed at Parkland College. The college (cumulative) GPA is not used to determine eligibility for completion of a degree or certificate, but the college GPA may be used for financial aid eligibility and academic probation.

Graduation from any program at Parkland College requires a minimum *program* grade point average of 2.0.

Career program general requirements are found on p. 70, transfer program general degree requirements on pp. 70–71, and general studies program requirements on p. 73.

The maximum amount of proficiency credit allowed toward a degree is 25 percent.

The student is responsible for specifying on the Petition to Graduate form the year of the catalog to be used for the determination of graduation eligibility.

Procedure for Late Graduation Petitions

Students who submit petitions to graduate after the official deadline published in the college catalog and the class schedule will be considered for graduation during the next graduation petitioning time period. The college will not award degrees retroactively or backdate diplomas.

If all graduation requirements have been completed, the Office of Admissions and Records will, upon request, provide a letter stating that all graduation requirements have been completed and the date on which graduation will occur.

If the student believes the college is responsible for the lateness of a petition, appeals may be made in writing to the Student Affairs Committee. The committee will recommend action to the dean of academic services if the college is determined to be responsible. The appeal will be denied by the committee if the college is not determined to be responsible.

Program Course Substitution Policy for Graduation

Course substitutions for program requirements for graduation will be reviewed and approved by the appropriate department chair(s) and the dean of career and transfer programs prior to the student's enrollment in the course(s). If the course substitution requested by the student is for a general education requirement, the appropriate department chair is the chair of the department in which the requirement is offered. For example, a student in Criminal Justice Education who requests a substitution for the mathematics general education requirement must receive written permission from the chair of the Mathematics department rather than from the chair of the Social Sciences and Human Services department.

For students working toward a degree or certificate, credit earned at other colleges and universities will be reviewed and evaluated for credit toward a degree or certificate from Parkland College. Unusual situations or exceptions will be reviewed and evaluated by the appropriate department chair(s) and the dean of career and transfer programs.

A student is not given credit toward graduation for a prerequisite course when the following course was successfully completed prior to the prerequisite course.

Second Degree and/or Certificate Requirements

If a student qualifies for two associate degrees at a given time (with fewer than 75 credit hours), the student must choose which degree he or she wishes to receive. However, a student may petition to receive two degrees at one time if the student has earned enough credits (minimum of 75) to obtain the second degree and completed all requirements for both degrees.

If a student wishes to complete a second different degree (certificate with 30 credits or more, Associate in Applied Science, Associate in General Studies, or transfer degree), 15 additional credit hours (in courses numbered 100–299) must be satisfactorily completed at Parkland. If the second degree is a baccalaureate-oriented degree (transfer degree), then the 15 additional credit hours must be in baccalaureate-oriented courses (numbered 100–289 and whose second digit is even). All requirements for the second degree must be met according to the catalog requirements of the year in which the student originally enrolled or any catalog published thereafter. If the student does not attend for a period of two years, four successive semesters (excluding summers), the degree requirements for the catalog of the year in which the student reenrolls must be met. The student may use any portion of the additional required hours to satisfy degree requirements.

A student may earn only one A.A. degree, one A.S. degree, one A.F.A. degree, **or** one A.E.S. degree. Because the IAI General Education Core Curriculum requirements are not satisfied by completion of the A.F.A. or A.E.S. programs, a student who first receives an A.F.A. degree may complete an A.A. degree upon successful completion of 15 additional credit hours and all IAI General Education Core Curriculum requirements. Similarly, a student who first receives an A.E.S. degree may complete an A.S. degree upon successful completion of 15 additional credit hours and all IAI General Education Core Curriculum requirements. A student who wishes to receive a second transfer degree should consult with a counselor or advisor.

Credit by Examination

Academic credits may be secured through several proficiency examination processes. These credits may be added to earned credits and used to satisfy program requirements resulting in a certificate, a degree, and/or a transfer to other colleges. In addition to transferring credits earned while attending other accredited institutions, persons may have earned credits (generally occupational) through military training and through life and work experiences during which time outstanding professional knowledge and skill development have been established. A conference with a Parkland counselor is encouraged. The following procedures may be used in obtaining proficiency credits:

College Level Examination Program (CLEP). CLEP is a national credit-by-examination program that offers an individual the opportunity to obtain recognition for college-level achievement. Through CLEP, a person can demonstrate knowledge that merits academic credit. On-the-job experience, military training, personal reading, correspondence courses, or telecourses are some of the sources that can prepare an individual to earn college credit. No matter where or how a person has learned, he or she can take CLEP tests.

Each educational institution determines its own policy regarding which CLEP tests it accepts, the minimum scores required to earn credit, and the amount of credit awarded. Individuals interested in participating in CLEP should find out about the acceptability of credits earned through CLEP at a particular college or university before taking a CLEP test.

Parkland College accepts selected CLEP exams for proficiency credit. A student who scores a 50 on any exam listed below may apply to receive proficiency credit in an equivalent Parkland course:

1. College Composition Modular plus a written essay judged satisfactory by Parkland College English faculty: course credit for ENG 101
2. Introductory Psychology: course credit for PSY 101
3. Introductory Sociology: course credit for SOC 101
4. Principles of Macroeconomics: course credit for ECO 101
5. Principles of Microeconomics: course credit for ECO 102
6. Western Civilization I: course credit for HIS 101
7. Western Civilization II: course credit for HIS 102
8. History of the U.S. I: course credit for HIS 104
9. History of the U.S. II: course credit for HIS 105

The CLEP exams are offered in the Assessment Center by appointment only. Anyone interested in taking one or more of the 34 tests is advised to first meet with a counselor or advisor to discuss the acceptability of CLEP credits at their educational institution. For more information, call the Assessment Center at 217/351-2433.

Institutionally Prepared Proficiency Examinations. Students may also earn credit in a number of disciplines through institutionally prepared proficiency examinations.The student must apply to the appropriate department chair to take an individual examination for credit. The department decides whether a proficiency test is appropriate for any particular subject area, discipline, or course. These examinations may be taken only once in a given course. Permission to take such examinations will not be granted for the purpose of raising grades or removing **F, NC, T,** or **W** grades in courses. A fee, fixed by college personnel, will be charged for such exams and must be paid to the college cashier before testing is undertaken. An institutional proficiency test must be taken prior to official enrollment in a given course. Examinations may not be administered to a student who has passed a higher level course than the one for which the proficiency is requested, unless specifically approved in advance by the dean of career and transfer programs. In certain cases, a fixed time will be announced for courses that are requirements of particular programs. A person seeking proficiency credit at Parkland must be enrolled or have previously completed courses in which credits have been earned at Parkland. A minimum of 6 semester hours is recommended. Proficiency credit is counted toward graduation and is recorded on transcripts as **P**. The maximum amount of proficiency credit allowed toward a degree or certificate is 25 percent. The credit is not included in the calculation of the grade point average and may not be used to establish full-time eligible status.

In all cases, credit to be granted for successful completion of tests will be determined by the dean of career and transfer programs and by the appropriate department chair. Credit earned through examinations cannot duplicate credit earned in college course work. Exceptions to any of the procedures mentioned in this section must be discussed with the department chair in the particular area of concern and/or the dean of career and transfer programs.

Proficiency examinations are administered at times set by the department. For more information about proficiency testing, contact the appropriate department chair.

Advanced Placement (AP) Program

The AP program, sponsored by the College Board, gives secondary school students the opportunity to complete college-level studies. Parkland offers credit for many AP subjects. Scores from AP examinations should be submitted to the Office of Admissions and Records for credit/placement evaluation. For detailed information on policies about the transfer in of academic credits, see www.parkland.edu/admissions/transfercredits.

General Education Degree Requirements

Associate in Arts (A.A.) Degree or Associate in Science (A.S.) Degree	*Semester Credits*
Communications ENG 101-102 and COM 103	9
Social and Behavioral Sciences electives Select from two or more subject areas.	9
Humanities and Fine Arts electives One Humanities and one Fine Arts course required.	9
Mathematics Elective	3
Physical and Life Sciences electives One laboratory-based Physical Science course and one laboratory-based Life Science course required.	8
	38

Associate in Applied Science (A.A.S.) Degree

Communications	6
Social and Behavioral Sciences or Humanities and Fine Arts electives	6
Other General Education electives	3
	15

Associate in General Studies (A.G.S.) Degree

Communications ENG 101-102 and COM 103 or one of the following: COM 120, 140, 200, 205	9
Social and Behavioral Sciences and Humanities and Fine Arts electives	15
Mathematics and Physical and Life Sciences electives	11
	35

NOTE: All general education degree requirements for A.A., A.S., A.F.A., and A.E.S. degree programs will be waived for a student who has completed a baccalaureate degree from a regionally accredited institution. Only nonspecific general education degree requirements for A.A.S. or Certificate programs will be waived for a student who has completed a baccalaureate degree from an accredited institution.

Electives are chosen from courses identified as General Education Core Courses for the A.A., A.S., A.E.S., and A.F.A. degrees. (See next page.)

General Education Core Curriculum Requirements

Parkland College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Illinois General Education Core Curriculum between participating institutions. Completion and certification of the transferable General Education Core Curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for an associate's or bachelor's degree have been satisfied. The IAI agreement is a binding agreement for first-time freshmen in the summer of 1998 and thereafter.

General education consists of courses that colleges and universities consider essential for students' success in college and life. The transferable General Education Core Curriculum permits students to transfer this portion of an associate's or a bachelor's degree program from one institution to another without loss of credit. The curriculum comprises about two-thirds of an associate's degree and about one-third of a bachelor's degree.

Specific courses to fulfill degree requirement are on the next page. IAI codes are explained on p. 68. Also see the IAI website at www.itransfer.org. More than one course with the same IAI code may not be used to fulfill General Education Core Curriculum requirements. See p. 69 for details.

Specific Requirements of the General Education Core Curriculum	*Semester Credits*
Communications — 3 courses Must include a two-course sequence in writing (6 semester credits) with grade of **C** or higher and one course in oral communication (3 semester credits). *(Students who assess into ENG 106, Accelerated Composition, may take ENG 106 in place of ENG 101-102 to complete the written component of the General Education Degree requirements in Communications. Two semester credits must be completed in any of the core curriculum areas.)*	9
Social and Behavioral Sciences — 3 courses Must include courses selected from at least two disciplines.	9
Humanities and Fine Arts — 3 courses Must include at least one Humanities course and at least one Fine Arts course. *(One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)*	9
Mathematics — 1 to 2 courses	3–6
Physical and Life Sciences — 2 lab-based courses Must include one Life Science course and one Physical Science course, or two interdisciplinary courses.	8
TOTAL — 12 to 13 courses	*38*

General Elective Courses

Each student should check the requirements of the institution to which he or she is transferring.

Parkland College general elective degree requirements may be satisfied as follows:

Associate in Arts (A.A.)
Associate in Science (A.S.)
Associate in Engineering Science (A.E.S.)
Associate in Fine Arts (A.F.A.)

Student may select only baccalaureate-oriented courses (courses numbered 100–289 whose second digit is even) to meet this requirement. Student should check with his or her advisor in the selection of appropriate courses.

Associate in Applied Science (A.A.S.)
Associate in General Studies (A.G.S.)

Student may select any course numbered 100–299.

General Education Core Courses

Choose courses from the following list for electives required to fulfill degree requirements. *More than one course with the same IAI code may not be used to fulfill IAI General Education Core Curriculum requirements (see p. 69).*

Associate in Arts (A.A.)
Associate in Science (A.S.)
Associate in Engineering Science (A.E.S.)
Associate in Fine Arts (A.F.A.)

Communications

Complete any sequence from the following:
COM 103, ENG 101, 102
COM 103, ESL 101, 102
COM 103, ENG 106
(Grade of C or higher required for ENG 101, 102, and 106)

Social and Behavioral Sciences

ANT 101*, 103*, 105, 200
ECO 101, 102
GEO 140, 143*, 200*
HIS 101, 102, 104, 105, 123*, 128*, 129*, 140*
POS 120, 122, 124, 202*
PSY 101, 205, 207, 208, 209, 223
SOC 101, 102, 200, 203, 240

Humanities

FRE, GER, JPN, KIS, RUS, SPA (only 104 courses)
HUM 101, 102, 103*, 104*, 105*, 106*, 107*, 109*, 121
LIT 120, 121, 125, 126, 127, 141, 142, 146*, 147*, 148*, 201, 202, 204, 205
PHI 100, 103, 105
REL 101, 102*, 104, 105, 120*, 121*

Fine Arts

ART 161, 162, 163, 164, 165
HUM 101, 102, 103*, 105*, 109*, 121
MUS 121, 123, 124*
THE 100, 101, 124, 125

Mathematics

MAT 106, 107, 108, 128, 129, 141, 143, 145, 160, 200, 228
(MAT 106 satisfies the general education mathematics requirement only in Elementary Education.)

Physical Sciences

AST 101, 102
CHE 101, 104, 106
ESC 101, 102
PHY 121, 120/129, 141
(PHY 120 must be paired with PHY 129 to earn general education credit.)

Life Sciences

BIO 101, 104, 105, 107, 109, 121, 141, 106/186
(BIO 106 must be paired with BIO 186 to earn general education credit.)

Interdisciplinary Physical and Life Sciences**

SCI 108 (IAI LP 900L course)
SCI 208 (IAI LP 901L course)
*(** Students must select one IAI LP 900L course and one IAI LP 901L course.)*

Associate in General Studies (A.G.S.)
Associate in Applied Science (A.A.S.)
Certificates of at least 21 hours of program courses

Communications

For the Associate in Applied Science (A.A.S) and certificates
Complete any sequence from the following:
ENG 101, 102
ENG 101, and any COM course listed below
ESL 101, 102
ESL 101 and any COM course listed below
ENG 106 and any COM course listed below
Or any two COM courses listed below
COM 103, 120, 140, 200, or 205
(Grade of C or higher required for ENG 101, 102, and 106)

For the Associate in General Studies (A.G.S.)
Complete ENG 101 and ENG 102
and any of the COM courses listed below
COM 103, 120, 140, 200, or 205
(Grade of C or higher required for ENG 101 and 102)

Social and Behavioral Sciences

ANT 101*, 103*, 105, 200
ECO 101, 102
GEO 140, 143*, 200*
HIS 101, 102, 104, 105, 123*, 128*, 129*, 140*, 145, 203
POS 110, 120, 122, 124, 202*
PSY 101, 107, 203, 205, 207, 208, 209, 223, 224, 225
SOC 101, 102, 200, 202, 203, 204, 240

Humanities/Fine Arts

ART 121, 122, 124, 125, 128, 129, 141, 145, 161, 162, 163, 164, 165, 166*, 181, 201,202, 223, 228, 229
All FRE, GER, ITA, JPN, KIS, RUS, SPA courses
All HUM courses
LAS 189
All LIT courses
MUS 100, 121, 123, 124*
PHI 100, 103, 105
REL 101, 102, 104, 105, 120*, 121*
All THE courses

Mathematics

MAT 106, 107, 108, 110, 124, 125, 126, 128, 129, 131, 134, 135, 141, 143, 145, 151, 160, 200, 228

Physical/Life Sciences

Choose from any course numbered 100–299 with any of the following prefixes:
AST, BIO, CHE, ESC, PHY, SCI

*Satisfies non-Western culture requirement.

NOTE: Refer to p. 224 for explanation of course numbering system.

Parkland IAI General Education Course Codes

	Parkland Course Number	IAI Course Number
Communications		
Three courses (9 semester credits) including a two-course sequence in writing (6 semester credits) with a grade of C or higher and one course (3 semester credits) in oral communication.		
Composition I	ENG 101	IAI C1 900
English Composition for Non-native Speakers I	ESL 101	IAI C1 900
Composition II	ENG 102	IAI C1 901R
English Composition for Non-native Speakers II	ESL 102	IAI C1 901R
Accelerated Composition	ENG 106	IAI C1 901R
Introduction to Speech Communication	COM 103	IAI C2 900
Social and Behavioral Sciences		
Three courses (9 semester credits) which must include courses selected from at least two disciplines.		
Introduction to Anthropology	ANT 101	IAI S1 900N
Introduction to Cultural Anthropology	ANT 103	IAI S1 901N
Introduction to Physical Anthropology	ANT 105	IAI S1 902
Introduction to Archeology	ANT 200	IAI S1 903
Principles of Macroeconomics	ECO 101	IAI S3 901
Principles of Microeconomics	ECO 102	IAI S3 902
World Geography	GEO 140	IAI S4 901
Geography of Underdeveloped Areas	GEO 143	IAI S4 902N
Introduction to Economic Geography	GEO 200	IAI S4 903N
History of Western Civilization I	HIS 101	IAI S2 902
History of Western Civilization II	HIS 102	IAI S2 903
History of the U.S. to 1877	HIS 104	IAI S2 900
History of the U.S., 1877 to Present	HIS 105	IAI S2 901
History of the Middle East	HIS 123	IAI S2 918N
History of Asia and Pacific Region	HIS 128	IAI S2 908N
History of Africa	HIS 129	IAI S2 906N
History of Latin America	HIS 140	IAI S2 910N
Introduction to Political Science	POS 120	IAI S5 903
American National Government	POS 122	IAI S5 900
State and Local Government	POS 124	IAI S5 902
International Relations	POS 202	IAI S5 904
Introduction to Psychology	PSY 101	IAI S6 900
Introduction to Social Psychology	PSY 205	IAI S8 900
Introduction to Child Psychology	PSY 207	IAI S6 903
Adolescent Psychology	PSY 208	IAI S6 904
Human Growth and Development	PSY 209	IAI S6 902
Introduction to Adult Development and Aging	PSY 223	IAI S6 905
Introduction to Sociology	SOC 101	IAI S7 900
Social Problems	SOC 102	IAI S7 901

	Parkland Course Number	IAI Course Number
Social and Behavioral Sciences *(continued)*		
Sociology of Marriage and Family	SOC 200	IAI S7 902
Intergroup Relations in a Diverse Society	SOC 203	IAI S7 903D
Gender and Society	SOC 240	IAI S7 904D
Humanities and Fine Arts		
Three courses (9 semester credits) with at least one course selected from humanities and at least one course from the fine arts.		
Art History I	ART 161	IAI F2 901
Art History II	ART 162	IAI F2 902
History of Modern Art	ART 163	IAI F2 902
History of Photography	ART 164	IAI F2 904
Art Appreciation	ART 165	IAI F2 900
Intermediate French II	FRE 104	IAI H1 900
Intermediate German II	GER 104	IAI H1 900
Cultural Values in the Western World I	HUM 101	IAI HF 902
Cultural Values in the Western World II	HUM 102	IAI HF 903
Cultural Values in the Eastern World	HUM 103	IAI HF 904N
Islamic Culture in Civilization	HUM 104	IAI H2 903N
Cultures and Civilizations of Sub-Saharan Africa	HUM 105	IAI HF 904N
Latin American Culture and Civilization	HUM 106	IAI H2 903N
Introduction to Mexican Culture	HUM 107	IAI H2 903N
Cultural Values of South Asia	HUM 109	IAI HF 904N
Women in Arts/Cultures/ Societies	HUM 121	IAI HF 907D
Intermediate Japanese II	JPN 104	IAI H1 900
Intermediate Kiswahili II	KIS 104	IAI H1 900
Introduction to Literature	LIT 120	IAI H3 900
Introduction to Poetry	LIT 121	IAI H3 903
Introduction to Shakespeare	LIT 125	IAI H3 905
Introduction to Drama	LIT 126	IAI H3 902
Introduction to Fiction	LIT 127	IAI H3 901
Black Literature	LIT 141	IAI H3 910D
Women in Literature	LIT 142	IAI H3 911D
Introduction to Non-Western Literature	LIT 146	IAI H3 908N
Introduction to African Literature	LIT 147	IAI H3 908N
Introduction to Latin American Literature	LIT 148	IAI H3 908N
British Literature I	LIT 201	IAI H3 912
British Literature II	LIT 202	IAI H3 913
American Literature I	LIT 204	IAI H3 914
American Literature II	LIT 205	IAI H3 915
Music Appreciation	MUS 121	IAI F1 900
Introduction to Non-Western Music	MUS 124	IAI F1 903N
Introduction to American Music	MUS 123	IAI F1 904

	Parkland Course Number	IAI Course Number
Humanities and Fine Arts		
(continued)		
Introduction to Logic and Critical Thinking	PHI 100	IAI H4 906
Introduction to Philosophy	PHI 103	IAI H4 900
Introduction to Ethics	PHI 105	IAI H4 904
Introduction to Religion	REL 101	IAI H5 900
The World's Great Religions	REL 102	IAI H5 904N
The Bible: The Hebrew Scriptures	REL 104	IAI H5 901
The Bible: The New Testament	REL 105	IAI H5 901
Religions of the West	REL 120	IAI H5 904N
Religions of the East	REL 121	IAI H5 904N
Intermediate Russian II	RUS 104	IAI H1 900
Intermediate Spanish II	SPA 104	IAI H1 900
Theatre Appreciation	THE 100	IAI F1 907
History of Theatre	THE 101	IAI F1 908
Film Appreciation	THE 124	IAI F2 908
Film History	THE 125	IAI F2 909
Mathematics		
One to two courses (3 to 6 semester credits).		
Mathematics for Elementary Teachers II	MAT 106	IAI M1 907
General Education Mathematics	MAT 107	IAI M1 904
Introduction to Applied Statistics	MAT 108	IAI M1 902
Calculus and Analytic Geometry I	MAT 128	IAI M1 901
Calculus and Analytic Geometry II	MAT 129	IAI M1 900-2
Finite Mathematics	MAT 141	IAI M1 906
Calculus for Business and Social Sciences	MAT 143	IAI M1 900B
Linear Algebra for Business	MAT 145	IAI M1 906
Statistics	MAT 160	IAI M1 902
Introduction to Discrete Mathematics	MAT 200	IAI M1 905 IAI CS 915
Calculus and Analytic Geometry III	MAT 228	IAI M1 900-3
Physical and Life Sciences		
Two laboratory-based courses (8 semester credits) which must include one course selected from life sciences and one course from the physical sciences or two interdisciplinary courses, one from IAI LP 900L and one from IAI LP 901L.		
The Solar System	AST 101	IAI P1 906L
The Stars, Galaxies, and Universe	AST 102	IAI P1 906L
General Biology	BIO 101	IAI L1 900L
Environmental Biology	BIO 104	IAI L1 905L
Human Biology	BIO 105	IAI L1 904L
Heredity and Society	BIO 106	IAI L1 906
Introduction to Evolution	BIO 107	IAI L1 907L
Introduction to Plant Biology	BIO 109	IAI L1 901L
Anatomy and Physiology I	BIO 121	IAI L1 904L
Principles of Biology I	BIO 141	IAI L1 900L
Heredity and Society Lab	BIO 186	IAI L1 906L
General Chemistry I	CHE 101	IAI P1 902L
Chemistry for Everyday Life	CHE 104	IAI P1 903L
Chemistry for Health Professions	CHE 106	IAI P1 902L
Introduction to Weather	ESC 101	IAI P1 905L
Introduction to Physical Geology	ESC 102	IAI P1 907L
How Things Work	PHY 120	IAI P1 901
General Physics	PHY 121	IAI P1 900L
How Things Work Laboratory	PHY 129	IAI P1 901L
Mechanics	PHY 141	IAI P2 900L
Essentials of Forensic Science	SCI 108	IAI LP 900L
Forensic Science II: Death Analysis	SCI 208	IAI LP 901L

Parkland Courses with the same IAI General Education Core Curriculum Code

Applies to A.A., A.S., A.E.S., A.F.A. degrees only — More than one course with the same IAI code may **NOT** be used to fulfill the General Education Core Curriculum requirements.

Communication Courses

IAI C1 900: ENG 101, ESL 101
IAI C1 901R: ENG 102, ESL 102, ENG 106

Social and Behavioral Sciences Courses

NONE

Humanities Courses

IAI H1 900: FRE 104, GER 104, JPN 104, KIS 104, RUS 104, SPA 104
IAI H2 903N: HUM 104, HUM 106, HUM 107
IAI H3 908N: LIT 146, LIT 147, LIT 148
IAI H5 901: REL 104, REL 105
IAI H5 904N: REL 102, REL 120, REL 121

Fine Arts Courses

IAI F2 902: ART 162, ART 163

Humanities/Fine Arts Courses

IAI HF 904N: HUM 103, HUM 105, HUM 109

Mathematics Courses

IAI M1 900: MAT 129, MAT 143, MAT 228
IAI M1 901: MAT 128
IAI M1 902: MAT 108, MAT 160
IAI M1 906: MAT 141, MAT 145

Physical Sciences Courses

IAI P1 906L: AST 101, AST 102
IAI P1 902L: CHE 101, CHE 106

Life Science Courses

IAI L1 904L: BIO 105, BIO 121

Interdisciplinary Life and Physical Sciences Courses

IAI LP 900L: SCI 108, SCI 141
IAI LP 901L: SCI 142, SCI 208

Career Program General Requirements

Parkland College's vocational and technical career programs are based on both student interests and community employment needs and prepare students to enter challenging, specialized careers after two years of college or less. Practical, job-preparatory knowledge is emphasized. Students can pursue most of these programs either full- or part-time.

Associate in Applied Science (A.A.S.) Degree

	Credit Hours
Communications	6
Social and Behavioral Sciences or Humanities and Fine Arts Electives	6
Other General Education Elective	3
Specialty/Supportive Courses	45
TOTAL HOURS REQUIRED	*60*

Students must fulfill these general requirements in addition to the specific program requirements to qualify for an A.A.S. degree:

1. Complete at least 60 credit hours of course work applicable to the degree requirements with a minimum program grade point average of 2.0. Some programs require more than 60 credit hours for a degree.
2. Complete either the first 45 credit hours or the last 15 credit hours of course work applicable to the program at Parkland College with a minimum grade point average of 2.0. Should students transfer without an A.A.S. degree, but desire a degree from Parkland College, they may transfer a maximum of 15 credit hours back for the degree. This must be completed within two calendar years to satisfy Parkland graduation requirements. Proficiency credit does not count as credit hours in residence.
3. Health career programs require a 2.0 or above in each technical course.
4. Be in good standing and meet all college obligations.

Certificate

Students must fulfill these general requirements in addition to the specific program requirements to qualify for a certificate with at least 30 credit hours:

1. Complete at least 30 credit hours of course work with a minimum program grade point average of 2.0. At least 15 credit hours of this work applicable to the program must be completed at Parkland with a minimum grade point average of 2.0. Some certificate programs require more than 30 hours. Should students leave without a certificate, but desire a certificate from Parkland College, they may transfer a maximum of 15 credit hours back to satisfy requirements for the certificate. This must be completed within two calendar years to satisfy Parkland graduation requirements. Proficiency credit does not count as credit hours in residence.
2. Health career programs require a 2.0 or above in each technical course.
3. Be in good standing and meet all college obligations.

A certificate with 20 credit hours or fewer is awarded to the individual who successfully completes course work in a given area with a minimum program grade point average of 2.0. All courses for the certificate program must be completed at Parkland. The student must be in good standing and meet all college obligations.

Transfer Program General Degree Requirements

The Associate in Arts (A.A.), Associate in Science (A.S.), Associate in Engineering Science (A.E.S.), and Associate in Fine Arts (A.F.A.) transfer programs allow students to complete the first two years of study leading to a bachelor's degree. The third and fourth years of study are completed at a four-year college or university to which the student transfers after the completion of the A.A., A.S., A.E.S, or A.F.A. program at Parkland.

The first two years of most four-year programs can be completed at Parkland. Students wishing to take the first two years of a transfer area not specifically listed should consult with a counselor or advisor to plan their program of study.

Because four-year colleges vary in their requirements, students should determine specific course requirements by consulting with their faculty advisor or a college counselor as soon as possible after admission to Parkland.

Associate in Arts (A.A.) or Associate in Science (A.S.) Degree Requirements

Candidates for either the A.A. or the A.S. degree must fulfill these general requirements to graduate:

1. Complete at least 60 credit hours of baccalaureate-oriented courses with a minimum program grade point average of 2.0 in those courses.
2. Complete either the first 45 credit hours or the last 15 credit hours of baccalaureate-oriented course work applicable to the program at Parkland with a minimum grade point average of 2.0. Should students transfer without an A.A. or A.S. degree, but desire a degree from Parkland, they may transfer a maximum of 15 credit hours back for the degree. This must be completed within two (2) calendar years to satisfy Parkland's degree graduation requirements. Proficiency credit does not count as credit hours in residence.
3. Be in good standing and meet all college obligations.

Associate in Fine Arts (A.F.A.) Degree Requirements

The Associate in Fine Arts degree (with the exception of Art Education) does not satisfy the IAI General Education Core Curriculum Requirements.

The Associate in Fine Arts (A.F.A.) accommodates the unique needs of students majoring in art and music. Typically, art and music majors must complete a sequential list of courses in their major during their freshman and sophomore years. Consequently, these students' needs are not addressed by A.A. and A.S. degrees. Students may choose to take the courses necessary to complete the IAI general education core curriculum requirements at Parkland College or take after transferring.

This degree has been carefully designed with input from art and music faculty from both community colleges and universities to enhance transferability. It is presented as an associate's degree for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree programs in one of the fine arts: art, music, or theatre.

Candidates for the A.F.A. degree must fulfill these general requirements:

1. Complete at least 60 credit hours of baccalaureate-oriented courses of which at least 27 credit hours are general education electives, with a minimum program grade point average of 2.0.
2. Complete either the first 45 credit hours or the last 15 credit hours of baccalaureate-oriented course work applicable to the program at Parkland with a minimum grade point average of 2.0. Should students transfer without an A.F.A. degree, but desire a degree from Parkland, they may transfer a maximum of 15 credit hours back for the degree. This must be completed within two (2) calendar years to satisfy Parkland's degree graduation requirements. Proficiency credit does not count as credit hours in residence.
3. Be in good standing and meet all college obligations.

Associate in Engineering Science (A.E.S.) Degree Requirements

The Associate in Engineering Science degree does not satisfy the IAI General Education Core Curriculum requirements.

Typically, engineering majors must complete a sequential list of courses in their major during their freshman and sophomore years, **and then complete the general education requirements over all four years for a baccalaureate degree.** Consequently, these students' needs are not addressed by an A.S. degree. In order to accommodate the distinctive needs of transfer engineering students, the Associate in Engineering Science (A.E.S.) degree program is created with the welfare of the transfer engineering student foremost in mind.

Engineering faculty from community colleges and universities have carefully designed the curriculum content for an A.E.S. to ensure transferability. The A.E.S. is designed to maintain academic standards while affording enough flexibility to accommodate the variety of viable pre-engineering programs across the state. It is presented as an associate's degree for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree programs in engineering.

Candidates for the A.E.S. degree must fulfill these general requirements:

1. Complete at least 60 credit hours of baccalaureate-oriented courses of which at least 27 credit hours are general education electives, with a minimum program grade point average of 2.0. Completing the required coursework for the A.E.S. degree on pp. 112–113—CHE 101, ENG 101, ENG 102, MAT 128, MAT 129, MAT 228, PHY 141, and PHY 142—meets the general education elective requirement.
2. Complete either the first 45 credit hours or the last 15 credit hours of baccalaureate-oriented course work applicable to the program at Parkland with a minimum grade point average of 2.0. Should students transfer without an A.E.S. degree, but desire a degree from Parkland, they may transfer a maximum of 15 credit hours back for the degree. This must be completed within two (2) calendar years to satisfy Parkland's degree graduation requirements. Proficiency credit does not count as credit hours in residence.
3. Be in good standing and meet all college obligations.

Associate in Arts (A.A.) Degree General Course Requirements

Program Code: H.GAA.AA

The Associate in Arts (A.A.) degree is designed so that students may complete the lower-division (freshman and sophomore) portion of a Bachelor of Arts (B.A.) degree. The A.A. degree includes the transferable General Education Core courses and the lower-division Baccalaureate Major Field core courses recommended by the Illinois Articulation Initiative.

All course work must be baccalaureate-oriented (courses numbered 100-289 whose second digit is even).

The A.A. degree is ideally suited for students seeking a B.A. degree in areas such as liberal arts and sciences, English, psychology, and many other fields. Since admission to colleges and universities — and to specific majors — is often competitive, students planning to transfer should understand that completing the recommended courses alone does not guarantee admission.

It is recommended that students fulfill the foreign language requirement of the program of the senior institution to which they are transferring. In general, credit for the four years of the same high school foreign language or credit for two years in the same foreign language at the college level satisfies the foreign language requirement of most bachelor of arts degrees.

General Education Core Curriculum Requirements (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I. 3
- ENG 102 Composition II 3

Social and Behavioral Sciences 9
- Must include courses selected from at least two disciplines.

Humanities and Fine Arts 9
- Must include at least one Humanities course and at least one Fine Arts course.
- *(One course from Soc/Beh Sci, Hum, or FA must fulfill the Non-Western culture requirement.)*

Mathematics 3

Physical and Life Sciences 8
- Two laboratory-based science courses, one from life sciences and one from physical sciences.

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to the Liberal Arts and Sciences. 3

Recommended Area of Concentration or Majors Courses (9–16 hours)

Concentration or major field recommended (same or related course prefix) 9–16

General Electives (3–10 hours)

General electives 3–10

Total Semester Credit Hours *60*

Associate in Science (A.S.) Degree General Course Requirements

Program Code: N.ASG.AS

The Associate in Science (A.S.) degree is designed so that students may complete the lower-division (freshman and sophomore) portion of a Bachelor of Science (B.S.) degree. The A.S. degree includes the transferable General Education Core courses and the lower-division Baccalaureate Major Field core courses recommended by the Illinois Articulation Initiative.

All course work must be baccalaureate-oriented (courses numbered 100–289 whose second digit is even).

The A.S. degree is ideally suited for students seeking a B.S. degree in areas such as mathematics, science, agriculture, business, education, and many other fields. Since admission to colleges and universities—and to specific majors—is often competitive, students planning to transfer should understand that completing the recommended courses alone does not guarantee admission.

General Education Core Curriculum Requirements (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I. 3
- ENG 102 Composition II 3

Social and Behavioral Sciences 9
- Must include courses selected from at least two disciplines.

Humanities and Fine Arts 9
- Must include at least one Humanities course and at least one Fine Arts course.
- *(One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)*

Mathematics 3

Physical and Life Sciences. 8
- Two laboratory-based science courses, one from life sciences and one from physical sciences.

A.S. Degree Requirement (3–5 hours)

Additional Mathematics, Physical Sciences, *or* Life Sciences elective. 3–5
- Any one additional AST, BIO, CHE, ESC, MAT, PHY. or SCI course numbered 100 through 289 whose second digit is even (for example, BIO 101, MAT 124, or PHY 142) of at least three credit hours, beyond the general education requirements in mathematics and science.)

Recommended Area of Concentration or Majors Courses (9–16 hours)

Concentration or major field recommended (same or related course prefix). 9–16

General Electives (3–10 hours)

General electives 3–10

Total Semester Credit Hours *60*

Associate in General Studies (A.G.S.) Degree Requirements

1. Complete at least 60 credit hours of work in courses numbered 100–299 with a minimum program grade point average of 2.0.
2. Complete either the first 45 credit hours or the last 15 credit hours at Parkland with a minimum grade point average of 2.0. Should students transfer without an A.G.S. degree, but desire a degree from Parkland, they may transfer a maximum of 15 credit hours back for the degree. This must be completed within two (2) calendar years to satisfy Parkland degree graduation requirements. Proficiency credit does not count as credit hours in residence.
3. Be in good standing and meet all college obligations.

General Studies

Program Code: Y.GSU.AGS

Associate in General Studies (A.G.S.)
Minimum graduation requirement — 60 semester hours

The Associate in General Studies (A.G.S.) degree program consists of courses designed to meet individual goals for personal improvement and self-understanding. This program is designed for students who wish to earn an associate's degree but not in a specific career or transfer area.

This associate's degree is not covered by the "articulation compact program" nor by the Illinois Articulation Initiative.

To be awarded the Associate in General Studies degree, a student must complete the following requirements:

	Cr. Hrs.
Communications (9)	
COM 103 Introduction to Public Speaking	3
or one of the following: COM 120, 140, 200 or 205	
ENG 101 Composition I	3
ENG 102 Composition II	3
Social and Behavioral Sciences *and* Humanities and Fine Arts Must include at least 6 hours in Soc/Beh Sci and 6 hours in Hum/FA.	15
Mathematics *and* Physical and Life Sciences Must include at least 3 hours in a 100-level math course and at least 3 hours of Phys/Life Sci.	11
Electives Students are encouraged to explore one or more fields in some depth. Electives may be taken in either baccalaureate-oriented courses or occupational field of study.	25
Total Semester Credit Hours	*60*

Program of Study Code

Check with your counselor, academic advisor, program director, or department chair to confirm that you are officially enrolled in the program of study of your choice. Accurate academic advising and timely meeting of graduation requirements depend on your selection of the appropriate program of study.

The graphic below explains how to read a Program of Study code.

SAMPLE PROGRAM OF STUDY CODE:

T.DGM.AAS.DES

Concentration or Track
example: DES-Designer Concentration

Degree or Certificate
AA, AS, AAS, AFA, AES, AGS, or CER

Program of Study
example: DGM-Digital Media

Academic Department

B-Business and Agri-Industries
T-Computer Science and Information Technology
E-Engineering Science and Technologies
F-Fine and Applied Arts
G-Health Professions
H-Humanities
M-Mathematics
N-Natural Sciences
S-Social Sciences and Human Services
V-Aviation
Y-General
X-Special

Business and Agri-Industries

B-wing • 217/351-2213 • www.parkland.edu/bai

Bruce Henrikson, department chair

Terri Jones, administrative assistant

Business and Agri-Industries offers up-to-date and vital courses for students seeking careers in a variety of business and agriculture-related industries. Certificate and degree programs provide hands-on experience with agribusiness and business-related computer software applications and equipment. Students receive the general and specialized business skills and principles needed for entry-level positions on the local and state levels, or are well prepared for transfer to the University of Illinois and other four-year colleges.

Agriculture

Nearly a quarter of all jobs in America are related to agriculture, and the rapidly changing face of agriculture has resulted in new and exciting career opportunities. High-tech intensive farming techniques, seed genetics, precision ag technology, and sophisticated marketing and research activities all require educated, well-trained workers. Agriculture students benefit from study at the 42-acre demonstration plot land laboratory, and from modern classroom space in the Tony Noel Ag Tech building. Parkland's many agriculture degrees and certificates equip students to enter the workforce or transfer for further education.

Business

Business is a popular field for both A.A.S. (career degree) students and those planning to transfer. The Parkland Business Program prepares students for various career areas including accounting, marketing, and geographic information systems, and includes a transfer degree in business administration. Once in the workforce, business careers are often high-paying, especially with bachelor's and master's degrees.

Horticulture

The need for trained professionals to design, construct, and manage landscape projects for homes and businesses has never been greater. The programs prepare students for careers in turf, greenhouse management, and floriculture. With a greenhouse providing space for hands-on instruction, students gain both the horticulture and business skills they need to succeed in this growing industry.

Hospitality

Hotel/motel and restaurant management offer rewarding careers for sociable people who enjoy a fast-paced environment and are quick problem solvers. The hospitality industry can demand long hours and evening and weekend work, but typically pays well and offers rapid advancement. The newest degree, Culinary Arts Management, helps students prepare for culinary jobs, specifically preparing for positions such as kitchen manager. Well-trained workers are in demand worldwide. In addition to local employment, Parkland graduates have reported getting jobs with Disney, at Hilton hotels in Florida and Singapore, and at the MGM Grand in Las Vegas.

ASSOCIATE DEGREE PROGRAMS

A.A.S. Degrees (Career)

A.S. Degree (Transfer) with Concentrations in:

CERTIFICATE PROGRAMS

Accounting

Program Code: B.ACC.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Accounting Program prepares students for careers as junior accountants in business, industry, and government. This degree can lead to a satisfying career as a payroll clerk or in general accounting, cost accounting, purchasing, inventory control, accounts receivable, accounts payable, tax assistant, or similar career areas. Students receive a well-rounded background to help prepare for future management positions.

Program Note*
Students who are working full-time in the accounting field should choose courses other than BUS 250 from the list of Business Concentration Courses.

Suggested Full-time Sequence

FALL *1st Semester*	*SPRING* *2nd Semester*
ACC 101	ACC 201
BUS 101	Business Concentration elec
CIS 200 or CSC 105	CIS 134
ENG 101	ENG 102
MAT 110 *or* MAT elec	MGT 101

FALL *3rd Semester*	*SPRING* *4th Semester*
ACC 219	ACC 102
ACC 274	ACC 275
BUS 204	Business Concentration elec
BUS 245	COM 103, COM 120, *or* COM 200
	Humanities /Fine Arts or Social/ Behavioral Sciences elective

Required Program Courses (21 hours)

Cr. Hrs.		
ACC 101	Financial Accounting	4
ACC 102	Managerial Accounting	3
ACC 201	Intermediate Accounting	4
ACC 219	Computerized Integrated Accounting	3
ACC 274	Principles of Income Taxation	4
ACC 275	Payroll Tax Accounting	3

Business Concentration Courses (6–7 hours)
Choose two courses from the following:

BUS 106	Business and Organizational Ethics	3
BUS 152	Introduction to Global Business	3
BUS 250*	Business Work Experience I	4
BUS 264	Introduction to Finance	3
CIS 138	Database Applications (MS Access)	3
MGT 113	Human Relations in the Workplace	3

Other Required Courses (18–19 hours)

BUS 101	Introduction to Business	3
BUS 204	The Legal Environment of Business	3
BUS 245	Business Communications	3
CIS 200	Business Computer Systems	3
or CSC 105	Application of Computers in Business and Commerce	4
CIS 134	Spreadsheet Applications (MS Excel)	3
MGT 101	Principles of Management	3

Required General Education Core Courses (15–17 hours)

COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	3
or COM 200	Principles of Group Discussion	3
ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics	
or MAT elective		3–4
Humanities/Fine Arts		
or Social/Behavioral Sciences elective		3–4
Total Semester Credit Hours		*60–64*

Accounting

Program Code: B.ACC.CER

Certificate
Minimum graduation requirement — 30 semester hours

The Accounting Certificate Program prepares students for careers as junior accountants in business, industry, and government. This certificate can lead to a satisfying career as a payroll clerk or in general accounting, cost accounting, purchasing, inventory control, accounts receivable, accounts payable, tax assisting, or similar areas.

Suggested Full-time Sequence

SUMMER	*FALL*	*SPRING*
	1st Semester	*2nd Semester*
ACC 101	ACC 219	ACC 201
	ACC 274	ACC 102
	CIS 200 *or* CSC 105	ACC 275
	ENG 101	BUS 101

Required Program Courses (21 hours)		**Cr. Hrs.**
ACC 101	Financial Accounting	4
ACC 102	Managerial Accounting	3
ACC 201	Intermediate Accounting	4
ACC 219	Computerized Integrated Accounting	3
ACC 274	Principles of Income Taxation	4
ACC 275	Payroll Tax Accounting	3

Other Required Courses (6–7 hours)		
BUS 101	Introduction to Business	3
CIS 200	Business Computer Systems	3
or CSC 105	Application of Computers in Business and Commerce	4

Required General Education Core Courses (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*30–31*

Agri-Business

Program Code: B.AGB.CER

Certificate
Minimum graduation requirement — 30 semester hours

The Agri-Business Certificate Program provides students with general knowledge in the areas of agri-marketing, agri-supply, and agricultural production.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
AGB 103	AGB 102
AGB 105	AGB 133
AGB 112	AGB elec
AGB 135	AGB elec
AGB elec	ENG 101

Required Program Courses (19 hours)		**Cr. Hrs.**
AGB 102	Introduction to Agricultural Economics	4
AGB 103	Introduction to Crop Science	4
AGB 105	Agricultural Applications of the Computer	3
AGB 112	Concepts in Agriculture	1
AGB 133	Introduction to Agricultural Marketing and Standards	3
AGB 135	Agricultural Business Management I	4

Elective Core Courses (Choose at least 8 hours from the following.)		
AGB 101	Introduction to Animal Science	4
AGB 106	International Agricultural Field Experience	3
AGB 200	Introduction to Soil Science	4
AGB 201	Introduction to Agricultural Mechanization	3
AGB 211	Plant Pest Identification and Control	3
AGB 214	Precision Farming Technology	3
AGB 232	Agricultural Business and Farm Management	4
AGB 233	Grain Marketing	3
AGB 236	Agricultural Credit and Finance	2

Required General Education Core Courses (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*30*

Agricultural Business: Applied Agronomy

Program Code: B.ABR.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The Applied Agronomy Program prepares students for entry-level positions as technicians for agricultural seed and chemical research centers or production agriculture facilities. Students learn to apply technical procedures needed for such positions. Allows students flexibility to pursue concentration of study in area of career interest.

Program Notes*

- Select a math course with advice from an agriculture faculty advisor.
- GEO 140 (World Geography) is recommended as background for AGB 215.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
AGB 103	AGB 133	AGB 191
AGB 105	AGB 200	AGB 211
AGB 112	ENG 102	
AGB 135	Soc/Beh Sci *or*	
ENG 101	Hum/FA elec	
	Concentration elec	
	Concentration elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
AGB 102	AGB 213
AGB 214	AGB 201
MAT 108 *or* MAT 110	AGB 290
	AGB 291
Concentration elec	Concentration elec
Soc/Beh Sci *or* Hum/FA elec	

Required Program Courses (42 hours) **Cr. Hrs.**

AGB 102	Introduction to Agricultural Economics	4
AGB 103	Introduction to Crop Science	4
AGB 105	Agricultural Applications of the Computer	3
AGB 112	Concepts in Agriculture	1
AGB 133	Introduction to Agricultural Marketing and Standards	3
AGB 135	Agricultural Business Management I	4
AGB 191	Agri-Business Work Exploration	2
AGB 200	Introduction to Soil Science	4
AGB 201	Introduction to Agricultural Mechanization	3
AGB 211	Plant Pest Identification and Control	3
AGB 213	Soil Fertility and Fertilizers	3
AGB 214	Precision Farming Technology	3
AGB 290	Agri-Business Seminar	1
AGB 291	Agri-Business Work Experience	4

Required General Education Core Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 108 *or* MAT 110*	Introduction to Applied Statistics Business Mathematics	3
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6

Concentration Electives (Choose at least 11 hours from the following.)

AGB 155	Agriculture Salesmanship	3
AGB 106	International Agricultural Field Experience	3
AGB 193	United States Agricultural Field Experience	3
AGB 215*	Agricultural Applications of Geographic Information Systems	3
AGB 232	Agricultural Business and Farm Management	4
AGB 233	Grain Marketing	3
AGB 236	Agricultural Credit and Finance	2
BIO 109	Introduction to Plant Biology	4
CHE 104	Chemistry of Everyday Life	4
Total Semester Credit Hours		*68*

Agricultural Business: Grain Merchandising and Management

Program Code: B.ABG.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Grain Merchandising and Management Program prepares students for entry level jobs in the grain and feed industry. Students learn the basics of grain grading, drying and handling, and concepts in marketing and merchandising. Potential jobs include mid-management, general management, merchandiser, market consulting, and sales.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
AGB 103	AGB 133	AGB 191
AGB 105	AGB 200	
AGB 112	ENG 102	
AGB 135	Concentration elec	
ENG 101	Soc/Beh Sci *or* Hum/FA elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
AGB 102	AGB 155
AGB 232	AGB 236
AGB 233	AGB 238
MAT 110 *or* MAT elec	AGB 239
	AGB 290
Soc/Beh Sci *or* Hum/FA elec	AGB 291

Required Program Courses (47 hours) **Cr. Hrs.**

AGB 102	Introduction to Agricultural Economics	4
AGB 103	Introduction to Crop Science	4
AGB 105	Agricultural Applications of the Computer	3
AGB 112	Concepts in Agriculture	1
AGB 133	Introduction to Agricultural Marketing and Standards	3
AGB 135	Agricultural Business Management I	4
AGB 155	Agriculture Salesmanship	3
AGB 191	Agri-Business Work Exploration	2
AGB 200	Introduction to Soil Science	4
AGB 232	Agricultural Business and Farm Management	4
AGB 233	Grain Marketing	3
AGB 236	Agricultural Credit and Finance	2
AGB 238	Grain Merchandising	3
AGB 239	Advanced Grain Marketing	2
AGB 290	Agri-Business Seminar	1
AGB 291	Agri-Business Work Experience	4

Required General Education Core Courses (15–16 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics	
or MAT elective		3–4
Social/Behavioral Sciences		
or Humanities/Fine Arts electives		6

Concentration Electives (Choose at least 3 hours from the following.)

ACC 101	Financial Accounting	4
or ACC 117	Accounting and Bookkeeping	3
AGB 106	International Agricultural Field Experience	3
AGB 193	United States Field Experience in Agriculture	3
AGB 201	Introduction to Agricultural Mechanization	3
AGB 211	Plant Pest Identification and Control	3
AGB 214	Precision Farming Technology	3

Total Semester Credit Hours *65–66*

Agricultural Business: Management

Program Code: B.ABM.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 66 semester hours

The Agricultural Business Management Program prepares students for management positions in various agriculture businesses, including agricultural marketing and processing firms, agricultural supply and service firms, and agriculture production and management.

Program Notes*

- Select a math course with advice from an agriculture faculty advisor.
- GEO 140 (World Geography) is recommended as background for AGB 215.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
AGB 103	AGB 102	AGB 191
AGB 105	AGB 133	
AGB 112	AGB 200	
AGB 135	ENG 102	
ENG 101	Soc/Beh Sci *or* Hum/FA elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
AGB 232	AGB 155
MAT 110 *or* MAT elec	AGB 236
	AG 290
Concentration elec	AGB 291
Concentration elec	Concentration elec
Soc/Beh Sci *or* Hum/FA elec	Concentration elec

Required Program Courses (39 hours) **Cr. Hrs.**

AGB 102	Introduction to Agricultural Economics	4
AGB 103	Introduction to Crop Science	4
AGB 105	Agricultural Applications of the Computer	3
AGB 112	Concepts in Agriculture	1
AGB 133	Introduction to Agricultural Marketing and Standards	3
AGB 135	Agricultural Business Management I	4
AGB 155	Agriculture Salesmanship	3
AGB 191	Agri-Business Work Exploration	2
AGB 200	Introduction to Soil Science	4
AGB 232	Agricultural Business and Farm Management	4
AGB 236	Agricultural Credit and Finance	2
AGB 290	Agri-Business Seminar	1
AGB 291	Agri-Business Work Experience	4

Required General Education Core Courses (15–16 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics	
or MAT elective*		3–4
Social/Behavioral Sciences		
or Humanities/Fine Arts electives		6

Concentration Electives (Choose at least 12 hours from the following.)

AGB 101	Introduction to Animal Science	4
AGB 106	International Agricultural Field Experience	3
AGB 193	United States Field Experience in Agriculture	3
AGB 201	Introduction to Agricultural Mechanization	3
AGB 209	Companion Animal Management	3
AGB 211	Plant Pest Identification and Control	3
AGB 213	Soil Fertility and Fertilizers	3
AGB 214	Precision Farming Technology	3
AGB 215*	Applications of Geographic Information Systems	3
AGB 217	Principles of Animal Feed and Nutrition	3
AGB 218	Livestock Management	5
AGB 233	Grain Marketing	3
AGB 238	Grain Merchandising	3
Total Semester Credit Hours		*66–67*

Agricultural Business: Precision Ag Technology

Program Code: B.ABT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The Precision Ag Technology Program prepares students for positions which require the use of current technological tools such as global positioning systems, geographic information systems, and computer software programs. Students are prepared for positions with soil testing companies, crop consulting firms, fertilizer and chemical retailers, and golf courses.

Program Notes*

- Select a math course with advice from an agriculture faculty advisor.
- GEO 140 (World Geography) is recommended as background for AGB 215.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
AGB 103	AGB 200	AGB 191
AGB 105	AGB 215	AGB 211
AGB 112	ENG 102	
AGB 135	MAT 108 *or* MAT 110	
ENG 101	Soc/Beh Sci *or* Hum/FA elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
AGB 102	AGB 213
AGB 214	AGB 290
AGB 232	AGB 291
AGB 252	Concentration elec
Concentration elec	Concentration elec
Soc/Beh Sci *or* Hum/FA elec	

Required Program Courses (46 hours) **Cr. Hrs.**

AGB 102	Introduction to Agricultural Economics	4
AGB 103	Introduction to Crop Science	4
AGB 105	Agricultural Applications of the Computer	3
AGB 112	Concepts in Agriculture	1
AGB 135	Agricultural Business Management I	4
AGB 191	Agri-Business Work Exploration	2
AGB 200	Introduction to Soil Science	4
AGB 211	Plant Pest Identification and Control	3
AGB 213	Soil Fertility and Fertilizers	3
AGB 214	Precision Farming Technology	3
AGB 215*	Applications of Geographic Information Systems	3
AGB 232	Agricultural Business and Farm Management	4
AGB 252	Advanced Geographic Information Systems	3
AGB 290	Agri-Business Seminar	1
AGB 291	Agri-Business Work Experience	4

Required General Education Core Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 108 *or* MAT 110*	Introduction to Applied Statistics Business Mathematics	*3*
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6

Concentration Electives (Choose at least 7 hours from the following.)

AGB 133	Introduction to Agricultural Marketing and Standards	3
AGB 155	Agriculture Salesmanship	3
AGB 106	International Agricultural Field Experience	3
AGB 193	United States Field Experience in Agriculture	3
AGB 201	Introduction to Agricultural Mechanization	3
AGB 233	Grain Marketing	3
AGB 236	Agricultural Credit and Finance	2
GIS 115	Remote Sensing and Aerial Photo Interpretation	3
Total Semester Credit Hours		*68*

Agriculture

Program Code: B.AGR.AS

Associate in Science (A.S.)
Minimum graduation requirement — 60 semester hours

Baccalaureate degree programs in agriculture may include various specialties, such as agricultural economics, agribusiness, agricultural sciences (animal science, crop or plant science, soil science, and horticulture), agricultural mechanics, and agriculture education. To transfer into a baccalaureate degree program in agriculture as a junior, students need to complete a minimum of 60 semester credits. Students are strongly encouraged to complete an A.S. degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission.

Students should plan their transfer programs with an agriculture faculty member.

Program Note*
AGB 112 may not be accepted as transfer credit. See department chair or program director.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
AGB 105	AGB transfer concentration
AGB transfer concentration	ENG 102
ENG 101	FA elec
Phys Sci elec	Life Sci elec
Math elec	Soc/Beh Sci elec

FALL	SPRING
3rd Semester	*4th Semester*
AGB transfer concentration	AGB transfer concentration
COM 103	Hum/FA elec
Hum elec	Soc/Beh Sci elec
Phys/LS or Math elec	
Soc/Beh Sci elec	

Required General Education Core Courses (38–39 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
Choose from two or more subject areas.

Humanities elective 3
Fine Arts elective 3
Humanities *or* Fine Arts elective 3
One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

Mathematics elective 3–4
Physical Science elective 4
Life Science elective 4

A.S. Degree Requirement (3–5 hours)

Additional Mathematics, Physical Sciences, *or* Life Sciences elective 3–5
(Any one additional AST, BIO, CHE, ESC, MAT, PHY, or SCI course numbered 100 through 289 whose second digit is even [for example, BIO 101, MAT 124, or PHY 142] or at least three credit hours, beyond the general education requirements in mathematics and science.)

Required Agriculture Course (3 hours)

- AGB 105 Agricultural Applications of the Computer 3

Required Agriculture Core Courses (16–18 hours)

Select four to five of the following courses depending upon your agriculture specialty:

- AGB 101 Introduction to Animal Science 4
- AGB 102 Introduction to Agricultural Economics 4
- AGB 103 Introduction to Crop Science 4
- AGB 104 Introduction to Horticultural Science 4
- AGB 106 International Agricultural Field Experience 3
- AGB 200 Introduction to Soil Science 4
- AGB 201 Introduction to Agricultural Mechanization 3
- AGB 202 Introduction to Agricultural Education 3
- AGB 209 Companion Animal Management 3

Total Semester Credit Hours Required *60–64*

Other Recommended Course

- AGB 112* Concepts in Agriculture 1

Bookkeeping Office Assistant

Program Code: T.BKP.CER

Certificate
Minimum graduation requirement — 16 semester hours

The Bookkeeping Office Assistant certificate prepares the student with general knowledge of office and bookkeeping skills. Graduates may be employed by businesses as an office assistant.

Program Note*
CTC substitutions may be accepted for CIS 134 and CIS 135—see department chair.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ACC 117	ACC 219
CIS 135	CIS 134
ENG 101	

Required Courses (16 hours)

ACC 117	Accounting and Bookkeeping	3
ACC 219	Computerized Integrated Accounting	3
CIS 134*	Spreadsheet Applications	3
CIS 135*	Word Processing I	4
ENG 101	Composition I	3
Total Semester Credit Hours		*16*

Business: Customer Service

Program Code: B.SER.CER

Certificate
Minimum graduation requirement — 15 semester hours

The Customer Service certificate is designed to help any student who is employed, or will be employed, in a business or organization that provides products or services to customers. Successful completers of this certificate should be able to identify a comprehensive customer service strategy and implement the practical techniques needed to provide good service. Emphasis will be on the use of computer technology and business communication skills that will support working in an office environment that has an emphasis on business projects.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
MGT 113	BUS 106
CIS 170	MGT 117
COM 120	

Required Courses (15 hours)

BUS 106	Business and Organizational Ethics	3
CIS 170	Office Professional Topics	3
COM 120	Interpersonal Communication	3
MGT 113	Human Relations in the Workplace	3
MGT 117	Customer Service Management	3
Total Semester Credit Hours		*15*

Business: Entrepreneur Basics

Program Code: B.ETR.CER

Certificate
Minimum graduation requirement — 12 semester hours

The Entrepreneur Basics certificate is designed to help anyone who has started a business or who plans to start a business. Completion of these courses will help those involved in management of a business or any organization, whether or not they are an owner. Business owners may also find earning this certificate will help improve their credibility as they seek financing and sales, and increase their potential for success.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
BUS 101	ACC 101 *or* ACC 117
BUS 117	BUS 217

Required Program Courses (12–13 hours)		**Cr. Hrs.**
ACC 101	Financial Accounting	
or ACC 117	Accounting and Bookkeeping	3–4
BUS 101	Introduction to Business	3
BUS 117	Introduction to Entrepreneurship	3
BUS 217	Advanced Entrepreneurship	3
Total Semester Credit Hours		*12–13*

Business: Entrepreneurship

Program Code: B.IND.CER

Certificate
Minimum graduation requirement — 33 semester hours

The Entrepreneurship Certificate is designed for owners, managers, and employees of existing or proposed businesses, entrepreneurial ventures, and independent businesses and organizations of all sizes. Completion of this certificate should strengthen the general business skills of present and aspiring business managers, especially those who manage a small business.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
BUS 101	ACC 101 *or* ACC 117
BUS 117	BUS 217
CIS 200	BUS 204
ENG 101	Business concentration
MGT 101	MAT 110 *or* MAT elec
	MKT 101

Required Program Courses (18 hours)		**Cr. Hrs.**
BUS 101	Introduction to Business	3
BUS 117	Introduction to Entrepreneurship	3
BUS 204	The Legal Environment of Business	3
BUS 217	Advanced Entrepreneurship	3
MGT 101	Introduction to Management	3
MKT 101	Introduction to Marketing	3

Other Required Courses (6–7 hours)

ACC 101	Financial Accounting	
or ACC 117	Accounting and Bookkeeping	3–4
CIS 200	Business Computer Systems	3

Business Concentration Courses (3 hours)
Choose one course from the following:

BUS 106	Business and Organizational Ethics	3
MKT 155	Salesmanship	3
MGT 112	Human Resource Management	3
MGT 113	Human Relations in the Workplace	3

Required General Education Core Courses (6–7 hours)

ENG 101	Composition I	3
MAT 110	Business Mathematics	
or MAT elective		3–4
Total Semester Credit Hours		*33–35*

Business: Management

Program Code: B.MGT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Management Program is designed for both students and managers. The courses highlight the type and nature of business firms as well as other forms of organizations such as government and education.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
BUS 101	ACC 117 *or* ACC 101
CIS 200 *or* CSC 105	ECO 101
ENG 101	ENG 102
MGT 101	MGT 112
MKT 101	MGT 113

FALL	*SPRING*
3rd Semester	*4th Semester*
BUS 117	BUS 204
BUS 245	Business elective
Business elective	ECO 102
CIS elective	MKT 211
COM 103 *or* COM 200	MAT 110 *or* MAT elec

Required Program Courses (36–37 hours) **Cr. Hrs.**

ACC 117	Accounting and Bookkeeping	
or ACC 101	Financial Accounting	3–4
BUS 101	Introduction to Business	3
BUS 117	Introduction to Entrepreneurship	3
BUS 204	The Legal Environment of Business	3
BUS 245	Business Communications	3
MGT 101	Principles of Management	3
MGT 112	Human Resource Management	3
MGT 113	Human Relations in the Workplace	3
MKT 101	Introduction to Marketing	3
MKT 211	Marketing Management	3

Business Electives (6 hours)

Choose one from the following courses:

BUS 106	Business and Organizational Ethics	3
BUS 131	Personal Finance	3
BUS 152	Introduction to Global Business	3
BUS 171	Principles of Banking	3
MGT 116	Retail Management	3
MGT 117	Customer Service Management	3
MKT 155	Salesmanship	3
MKT 218	Introduction to Global Marketing	3

Choose a second course from the list above or selected courses with a prefix of ACC, AGB, BUS, HRT, GIS, or HPI; department chair approval is required.

Other Required Courses (6–8 hours)

CIS 200	Business Computer Systems	
or CSC 105	Application of Computers in Business and Commerce	3–4
CIS elective		3–4

Choose one from CIS 122, CIS 134, CIS 137, or CIS 138.

Required General Education Core Courses (18–19 hours)

COM 103	Introduction to Public Speaking	
or COM 200	Principals of Group Discussion	3
ECO 101	Principles of Macroeconomics	3
ECO 102	Principles of Microeconomics	3
ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics	
or MAT elective		3–4

Total Semester Credit Hours *60–64*

Business: Marketing

Program Code: B.MKT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

Marketing is the process of directing products from the producer to the consumer. Students prepare for their marketing careers by learning the principles, practices, and methods of operations of different types of marketing firms.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ACC 117 *or* ACC 101	CIS 200
BUS 101	ENG 102
ENG 101	MKT 155
MAT 110 or MAT elec	MGT 101
MKT 101	MGT 113

FALL	*SPRING*
3rd Semester	*4th Semester*
BUS 245	BUS 204
COM 103 *or* COM 200	BUS 250 *or* CIS elec
ECO 101	ECO 102
PSY 101 or Soc/Beh Sci *or* Hum/FA elec	MKT 211
Area elec	Area elec

Required Program Courses (33–35 hours) **Cr. Hrs.**

ACC 117	Accounting and Bookkeeping	
or ACC 101	Financial Accounting	3–4
BUS 101	Introduction to Business	3
BUS 204	The Legal Environment of Business	3
BUS 250	Business Work Experience I	
or CIS elective (see below)		3–4
MGT 101	Principles of Management	3
MGT 113	Human Relations in the Workplace	3
MKT 101	Introduction to Marketing	3
MKT 155	Salesmanship	3
MKT 211	Marketing Management	3
Any two of the following three courses:		
MKT 130	Marketing for E-commerce	
or BUS 106	Business and Organizational Ethics	
or COM 121	Introduction to Advertising	6

Other Required Courses (12 hours)

BUS 245	Business Communications	3
CIS 200	Business Computer Systems	3
ECO 101	Principles of Macroeconomics	3
ECO 102	Principles of Microeconomics	3

Required General Education Core Courses (15–17 hours)

COM 103	Introduction to Public Speaking	
or COM 200	Principles of Group Discussion	3
ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics	
or MAT elective		3–4
PSY 101	Introduction to Psychology	
or Social/Behavioral Sciences		
or Humanities/Fine Arts elective		3–4
Total Semester Credit Hours		*60–64*

CIS Elective (3–4 hours)

Choose one from the following courses:

CIS 122	Introduction to Computer Programming	4
CIS 134	Spreadsheet Applications (MS Excel)	3
CIS 137	Basic PC Maintenance and Operating Systems Concepts	3
CIS 138	Database Applications (MS Access)	3

Business Administration

Program Code: B.BUS.AS

Associate in Science (A.S.)
Minimum graduation requirement — 60 semester hours

Business administration programs include courses and majors in general business, accounting, finance, marketing, and management. The following recommendations apply to courses and programs in all of these fields. To transfer into a baccalaureate degree program in business administration as a junior, students need to complete a minimum of 60 semester credits. Students are strongly encouraged to complete an A.S. degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the degree requirements of the four-year college or university they plan to attend.

Program Note*
Math requirements vary; students should plan their transfer programs with an advisor and the catalog of the four-year college or university they plan to attend.

General Education Core Courses (40–41 hours) **Cr. Hrs.**

Communications (9)
- ENG 101 Composition I 3
- ENG 102 Composition II 3
- COM 103 Introduction to Public Speaking 3

Humanities elective 3
Fine Arts elective 3
Humanities *or* Fine Arts elective 3
- One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

Life Sciences elective 4
Mathematics* (4–5)
- MAT 143 Calculus for Business and Social Sciences ... 4

or MAT 128 Calculus and Analytical Geometry I 5
Physical Sciences elective 4
Social/Behavioral Sciences (10)
- ECO 101 Principles of Economics I 3
- ECO 102 Principles of Economics II 3
- PSY 101 Introduction to Psychology 4

Required Business Core Courses (14–15 hours)

ACC 101 Financial Accounting 4
ACC 102 Managerial Accounting 3
CSC 105 Introduction to Computers and their Application to Business and Commerce.... 4
or CIS 200 Business Computer Systems..... 3
MAT 141* Finite Mathematics 4
or MAT 145* Linear Algebra for Business..... 4
or MAT 160* Statistics 4

Other Required Transferable Business Courses (6 hours)

BUS 101 Introduction to Business 3
BUS 204 The Legal Environment of Business
or General elective 3

Total Semester Credit Hours Required *60–62*

Customized Career Preparation

Program Code: B.CCP.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

This program allows students to develop and pursue individualized programs of study that meet their own personal and career goals. With the assistance of the professional staff in career programs and departments, each student will develop a viable program of study during the first semester of enrollment at the college. This plan must receive approval of the assigned faculty mentor and the appropriate department chair(s). A unique aspect of this program is the awarding of credit for non-collegiate prior learning or work experience.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CCP 111	ENG 102
COM 103	Math
ENG 101	Area of concentration courses
Soc/Beh Sci elec	General elec
Hum/FA elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
Area of concentration courses	Area of concentration courses
General elec	General elec

Required Program Courses (2 hours) **Cr. Hrs.**

CCP 111	Customized Career Preparation Portfolio	2

Supportive Courses and Areas of Concentration (32 hours)
Choose up to 32 hours in consultation with a faculty advisor. Some of these course requirements may be satisfied by previous non-collegiate learning and/or work experience as documented and approved in the Customized Career Preparation Portfolio.

General Electives (8 hours)
Choose courses supportive of the learning outcomes identified in the Customized Career Preparation Portfolio.

Required General Education Core Courses (18 hours)

COM 103	Introduction to Public Speaking	3
ENG 101	Composition I	3
ENG 102	Composition II	3
Math course appropriate to the program of study		3
Social/Behavioral Sciences elective		3
Humanities/Fine Arts elective		3
Total Semester Credit Hours		*60*

Geographic Information Systems

Program Code: B.GIS.CER

Certificate
Minimum graduation requirement — 14 semester hours

Geographic Information Systems (GIS) is a method of using data gathered from various sources, including Global Position Satellite (GPS) systems, to develop "layers" of information about a geographic location. Applications are used in mapping streets, utilities, environmental markers, crime studies, and many other types of physical and societal information. It is an emerging industry that also has emerging career opportunities

Program Note
Students in the Construction Design and Management: Mapping Technician certificate must take CIT 113 as an elective course for this certificate.

Suggested Part-time Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
GIS 110	GIS 111	GIS 116
GIS 112	GIS 115	Elective

Required Courses (11 hours) **Cr. Hrs.**

GIS 110	Principles of Geographic Information Systems	3
GIS 111	Applied Geographic Information Systems	3
GIS 112	Global Positioning Systems	1
GIS 115	Advanced Geographic Information Systems	3
GIS 116	Geographic Information Systems Seminar	1

Elective Course (3 hours)
Choose one from the following courses:

AGB 214	Precision Farming Technology	3
ANT 103	Introduction to Cultural Anthropology	3
CIS 138	Database Applications (MS Access)	3
CIS 152	Web Design I	3
CIT 113	Basic Surveying	3
HRT 116	Introduction to Landscape Design	3
MAT 108	Introduction to Applied Statistics	3
MKT 101	Introduction to Marketing	3
Total Semester Credit Hours		*14*

Additional Certificate Opportunity

The Construction Design and Management: Mapping Technician certificate is a specialized program that builds upon the Geographic Information Systems (GIS) certificate (See Engineering Science and Technologies, page 134). This certificate will further prepare the GIS student for employment as a mapping technician in the engineering and surveying industries. Hands-on training in plan reading, computer-aided drafting, surveying methods, electronic data collection, survey computations, GPS and property boundary law will supplement the student's GIS skill set.

Horticulture: Floral Design

Program Code: B.FLD.CER

Certificate
Minimum graduation requirement — 28 semester hours

The Floral Certificate is designed to meet the growing need for trained professionals to work successfully in the floral industry. The curriculum combines training in horticulture with business management, plant identification, floral techniques, and hands-on training. Students learn and practice design elements and various styles, using fresh and dried flowers. Graduates may be employed as florists in flower shops, floral departments in garden centers, chain stores, and supermarkets. Florists are also hired by floral wholesalers or work independently out of their own homes.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
AGB 104	AGB 155
AGB 105	AGB 191
AGB 135	HRT 230
HRT 130	HRT 257
	HRT 270

Required Courses (28 hours)

AGB 104	Introduction to Horticulture	4
AGB 105	Agricultural Applications of the Computer	3
AGB 135	Agricultural Business Management	4
AGB 155	Agriculture Salesmanship	3
AGB 191	Agri-Business Work Exploration	2
HRT 130	Floral Design I	3
HRT 257	Horticulture Business Management	3
HRT 270	Greenhouse Crop Production	3
HRT 230	Floral Design II	3
Total Semester Credit Hours		*28*

Horticulture: Landscape Design, Construction, and Management

Program Code: B.ABL.CER

Certificate
Minimum graduation requirement — 40 semester hours

The Landscape Design, Construction, and Management certificate prepares students for the basics in horticulture and the landscape design/build industry with emphasis in business management, plant identification, construction techniques, and hands-on training. Graduates may be employed in landscape design/build companies, garden centers, park districts, and other horticulture businesses.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
AGB 104	AGB 105	AGB 191
AGB 135	AGB 155	HRT 254
HRT 114	ENG 101	
HRT 116	HRT 119	
HRT 118	HRT 253	
	HRT 257	

Required Courses (37 hours)

AGB 104	Introduction to Horticulture	4
AGB 105	Agricultural Applications of the Computer	3
AGB 135	Agricultural Business Management	4
AGB 155	Agriculture Salesmanship	3
AGB 191	Agri-Business Work Exploration	2
HRT 114	Introduction to Turfgrass Management	3
HRT 116	Introduction to Landscape Design	3
HRT 118	Horticultural Equipment Operation	3
HRT 119	Landscape Construction and Maintenance	3
HRT 253	Woody Ornamentals	3
HRT 254	Herbaceous Plants	3
HRT 257	Horticulture Business Management	3

Required General Education Core Courses (3 hours)

ENG 101	Composition I	3
Total Semester Credit Hours		*40*

Horticulture: Landscape Design, Construction, and Management

Program Code: B.ABL.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 69 semester hours

The Landscape Design, Construction, and Management degree prepares students for various careers in the landscape industry. Includes the design of landscape projects for residential and commercial applications and practical methods of constructing and maintaining those projects.

Program Note*
Select a math course with advice from an agriculture instructor.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	AGB 191
AGB 104	AGB 135	HRT 254
AGB 105	ENG 102	
AGB 112	HRT 119	
ENG 101	HRT 253	
HRT 116	MAT 110 *or*	
HRT 118	MAT elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
AGB 102	AGB 155
AGB 200	AGB 290
Soc/Beh Sci *or*	AGB 291
Hum/FA elec	HRT 257
Soc/Beh Sci *or*	Concentration elec
Hum/FA elec	
Concentration elec	

Required Program Courses (48 hours) **Cr. Hrs.**

AGB 102	Introduction to Agricultural Economics	4
AGB 104	Introduction to Horticultural Science	4
AGB 105	Agricultural Applications of the Computer	3
AGB 112	Concepts in Agriculture	1
AGB 135	Agricultural Business Management I	4
AGB 155	Agriculture Salesmanship	3
AGB 191	Agri-Business Work Exploration	2
AGB 200	Introduction to Soil Science	4
AGB 290	Agri-Business Seminar	1
AGB 291	Agri-Business Work Experience	4
HRT 116	Introduction to Landscape Design	3
HRT 118	Horticulture Equipment Operation	3
HRT 119	Landscape Construction and Maintenance	3
HRT 253	Herbaceaous Plants	3
HRT 254	Woody Ornamentals	3
HRT 257	Horticulture Business Management	3

Required General Education Core Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics	
or MAT elective*		3
Social/Behavioral Sciences		
or Humanities/Fine Arts electives		6

*** Concentration Electives (choose at least 6 hours)**

GIS 112	Global Positioning Systems	1
HRT 114	Introduction to Turfgrass Management	3
HRT 211	Pest Management and Pruning Principles	3
HRT 255	Landscape Graphic Design	3
HRT 256	Landscape Planting Design	3
HRT 270	Greenhouse Crop Production	3

** These courses are only offered in alternating years*

Total Semester Credit Hours *69*

Hospitality Industry: Culinary Arts Management

Program Code: B.HCM.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The Culinary Arts Management Program prepares students for management and supervisory positions with commercial kitchens. Course work provides an emphasis in fundamental culinary arts skills and knowledge, quantity food production, cost control and staff supervision.

Suggested Full-time Sequence

FALL	SPRING	*SUMMER*
1st Semester	*2nd Semester*	
HPI 110	HPI 112	HPI 214
HPI 111	HPI 113	HPI 215
HPI 115	HPI 114	
HPI 116	ENG 101	
CIS 200	Soc/Beh Sci or Hum/FA elec	
Soc/Beh Sci or Hum/FA elec		

FALL	*SPRING*
3rd Semester	*4th Semester*
HPI 139	HPI 216
HPI 211	HPI 233
ENG 102	HPI 237
MAT 110 *or* MAT elec	HPI 239
	BUS 106

Required Program Courses (47 hours) **Cr. Hrs.**

HPI 110	Foodservice Sanitation Certification	1
HPI 111	Introduction to the Hospitality Industry	3
HPI 112	Food Standards and Production I	5
HPI 113	Food Service Systems	3
HPI 114	Human Resource Management and Supervision	3
HPI 115	Menu Management and Design	3
HPI 116	Kitchen Basics	2
HPI 139	Food Standards and Production II	4
HPI 211	Food and Beverage Cost Management Systems	4
HPI 214	Hospitality Industry Seminar	2
HPI 215	Hospitality Industry Work Experience	4
HPI 216	Bar and Beverage Operations	3
HPI 233	Hospitality and Travel Marketing	3
HPI 237	Food Standards and Production III	4
HPI 239	Catering and Food Production	3

Other Required Courses (6 hours)

BUS 106	Business and Organizational Ethics	3
CIS 200	Business Computer Systems	3

Required General Education Core Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics *or* MAT elective	3
Social/Behavior Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*68*

Hospitality Industry: Foodservice

Program Code: B.HIF.CER

Certificate
Minimum graduation requirement —36 semester hours

The Food Service Certificate Program prepares students for supervisory positions in the commercial and institutional food service field by offering specialized courses and industry work experience.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
HPI 110	HPI 112	HPI 214
HPI 111	HPI 113	HPI 215
HPI 115	HPI 114	
HPI 116	CIS 200	
HPI 211	ENG 101	

Required Program Courses (33 hours)		**Cr. Hrs.**
HPI 110	Foodservice Sanitation Certification	1
HPI 111	Introduction to the Hospitality Industry	3
HPI 112	Food Standards and Production I	5
HPI 113	Food Service Systems	3
HPI 114	Human Resource Management and Supervision	3
HPI 115	Menu Management and Design	3
HPI 116	Kitchen Basics	2
HPI 211	Food and Beverage Cost Management Systems	4
HPI 214	Hospitality Industry Seminar	2
HPI 215	Hospitality Industry Work Experience	4
CIS 200	Business Computer Systems	3

Required General Education Core Course (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*36*

Hospitality Industry: Foodservice Assistant

Program Code: B.FSA.CER

Certificate
Minimum graduation requirement —12 semester hours

The Foodservice Assistant certificate is designed to prepare students to work in commercial kitchens. The coursework will provide instruction to help anyone who wishes to enter the culinary arts profession or is seeking advancement in the industry. Completion of the certificate will provide experience in food production, sanitation, and menu planning.

Suggested Part-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
HPI 110	HPI 112
HPI 116	
HPI 139	

Required Program Courses (12 hours)		**Cr. Hrs.**
HPI 110	Foodservice Sanitation Certification	1
HPI 116	Kitchen Basics	2
HPI 112	Food Standards and Production I	5
HPI 139	Food Standards and Production II	4
Total Semester Credit Hours		*12*

Hospitality Industry: Foodservice Sanitation

Program Code: B.FSS.CER

Certificate
Minimum graduation requirement—1 semester hour

Foodservice sanitation as it applies to every phase of foodservice operations. Emphasizes cleanliness and protection of the health of the public served as well as of the organization's staff. Includes a certification exam that fulfills the state requirements.

Required Program Course (1 hour)		**Cr. Hrs.**
HPI 110	Foodservice Sanitation Certification	1
Total Semester Credit Hours		*1*

Hospitality Industry: Hotel/Motel Management

Program Code: B.HIM.CER

Certificate
Minimum graduation requirement —31 semester hours

The Hotel/Motel Management Certificate Program prepares students for supervisory positions in hotels, motels, and resorts by offering both specialized courses and industry work experience.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
HPI 110	HPI 114	HPI 214
HPI 111	HPI 234	HPI 215
HPI 117	BUS 101	
HPI 231	ENG 101	

Required Program Courses (28 hours)		**Cr. Hrs.**
HPI 110	Foodservice Sanitation Certification	1
HPI 111	Introduction to the Hospitality Industry	3
HPI 114	Human Resource Management and Supervision	3
HPI 117	Hospitality Managerial Accounting	3
HPI 214	Hospitality Industry Seminar	2
HPI 215	Hospitality Industry Work Experience	4
HPI 230	Facilities Management/Building Operations Management	3
HPI 231	Front Office Operations	3
HPI 234	Hospitality Industry Law	3
BUS 101	Introduction to Business	3

Required General Education Core Course (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*31*

Hospitality Industry: Hotel/Motel Management

Program Code: B.HIH.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Hotel/Motel Management Program prepares students for career-track positions in the hotel, motel, and resort field. In addition to a general business foundation, students receive specialized education in front office operations, food and beverage, housekeeping and buildings operation, hospitality marketing, and hospitality industry law.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
HPI 111	HPI 110	HPI 132
BUS 101	HPI 114	HPI 214
CIS 200	ENG 102	HPI 215
ENG 101	MAT 110 *or* MAT elec	
	Gen elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
HPI 117	HPI 230
HPI 211	HPI 233
HPI 231	HPI 234
BUS 245	BUS 106
Soc/Beh Sci or Hum/FA elec	Soc/Beh Sci or Hum/FA elec

Required Program Courses (35 hours) **Cr. Hrs.**

HPI 110	Foodservice Sanitation Certification	1
HPI 111	Introduction to the Hospitality Industry	3
HPI 114	Human Resource Management and Supervision	3
HPI 117	Hospitality Managerial Accounting	3
HPI 132	Resort and Event Management	3
HPI 211	Food and Beverage Cost Management Systems	4
HPI 214	Hospitality Industry Seminar	2
HPI 215	Hospitality Industry Work Experience	4
HPI 230	Facilities Management/Building Operations Management	3
HPI 231	Front Office Operations	3
HPI 233	Hospitality and Travel Marketing	3
HPI 234	Hospitality Industry Law	3

Other Required Courses (15–16 hours)

BUS 101	Introduction to Business	3
BUS 106	Business and Organizational Ethics	3
BUS 245	Business Communications	3
CIS 200	Business Computer Systems	3
General elective		3–4

Required General Education Core Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics *or* MAT elective	3
Social/Behavior Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*65–66*

Hospitality Industry: Restaurant Management

Program Code: B.HIR.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 67 semester hours

The Restaurant Management Program prepares students for career-track positions in the restaurant, catering, and institutional food service field. Specialized courses are offered in quantity food preparation; supervision; food, beverage, and labor cost control; and menu planning in the food service industry.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
HPI 110	HPI 112	HPI 214
HPI 111	HPI 113	HPI 215
HPI 115	HPI 114	
HPI 116	ENG 101	
CIS 200	MAT 110	
	MAT elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
HPI 117	HPI 216
HPI 139	HPI 233
HPI 211	HPI 234
ENG 102	BUS 106
Soc/Beh Sci or Hum/FA elec	Soc/Beh Sci or Hum/FA elec

Required Program Courses (46 hours) **Cr. Hrs.**

HPI 110	Foodservice Sanitation Certification	1
HPI 111	Introduction to the Hospitality Industry	3
HPI 112	Food Standards and Production I	5
HPI 113	Food Service Systems	3
HPI 114	Human Resource Management and Supervision	3
HPI 115	Menu Management and Design	3
HPI 116	Kitchen Basics	2
HPI 117	Hospitality Managerial Accounting	3
HPI 139	Food Standards and Production II	4
HPI 211	Food and Beverage Cost Management Systems	4
HPI 214	Hospitality Industry Seminar	2
HPI 215	Hospitality Industry Work Experience	4
HPI 216	Bar and Beverage Operations	3
HPI 233	Hospitality and Travel Marketing	3
HPI 234	Hospitality Industry Law	3

Other Required Courses (6 hours)

BUS 106	Business and Organizational Ethics	3
CIS 200	Business Computer Systems	3

Required General Education Core Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 110	Business Mathematics *or* MAT elective	3
Social/Behavior Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*67*

Computer Science and Information Technology

B-wing • 217/353-2099 • www.parkland.edu/csit

Maria Mobasseri, department chair

Cyndia Hinton, program manager

Jill Garner, administrative assistant

Computer technology changes constantly, requiring more workers with updated skills. Computer Science and Information Technology (CSIT) provides students with a wide range of career options: programmers, database managers, network administrators, 3D animators, web designers, 3D game developers, and office professionals. CSIT offers A.A.S. degree and certificate opportunities in four program areas of study, plus an A.S. degree in Computer Science/Computer Information Systems. After completion of their studies, students are prepared to pursue a career or continue their education by transferring to a four-year institution.

CSIT gives students the hands-on training and knowledge they need to be successful by staying up to date with the latest in computer software and systems training, constantly offering new courses based on input from the IT industry. Through Service Learning students gain experiential learning as they work closely with nonprofit clients to manage projects with real-world specifications and timeframes.

The Computer Technology Center (CTC) provides students with convenient office technology training in courses ranging from computer basics and keyboarding to a variety of Microsoft and web applications. With open registration, flexible scheduling, and the option of online courses, the CTC allows students to learn at their own pace.

ASSOCIATE DEGREE PROGRAMS

A.A.S. Degrees (Career)

A.S. Degree (Transfer) with Concentrations in:

CERTIFICATE PROGRAMS

Computer Science/Computer Information Systems

www.parkland.edu/csit

Program Codes:

Computer Science: *T.CSC.AS.TEC*
(Compliant with Illinois Articulation Initiative Computer Science: Technical Emphasis IAI GECC Recommendations)

Computer Information Systems: *T.CSC.AS.BUS*
(Compliant with Illinois Articulation Initiative Computer Science: Information Systems Emphasis IAI GECC Recommendations)

Associate in Science (A.S.)
Minimum graduation requirement — 60 semester hours

Baccalaureate degree programs in Information Technology have traditionally grown from a number of different disciplines, including Mathematics, Business, and Engineering. Computer Science (CS) degrees usually have a general theoretical emphasis. Computer Information Systems (CIS) degrees have more of a business emphasis. Computer Engineering degrees have more of a hardware emphasis. At the two year level, either the CS or CIS degree provides a good foundation for further study in most fields of Computer Science. Engineering degrees are most specific to future engineering study. To transfer into a baccalaureate degree program in Computer Science as a junior, students need to complete a minimum of 60 semester credits. Students are strongly encouraged to complete an A.S. degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission.

Students should plan their transfer programs with a CSIT faculty advisor and the catalog of the four-year college or university they plan to attend.

Program Notes*

- MAT 124 and 125 are prerequisites for MAT 128.
- PHY 141 is required for students planning to transfer to UIUC and others.
- IAI CS 922, Computer Organization, is not offered at Parkland. Check with your transfer institution to see if it is required in their program.
- Computer Information Systems transfers to UIUC School of Business, Management Information Systems.

Suggested Full-time Sequence

COMPUTER SCIENCE

FALL	*SPRING*
1st Semester	*2nd Semester*
CSC 123	CSC 125
MAT 128	MAT 129
ENG 101 *or* ENG 106	ENG 102 *or* ENG 220
Hum elec	Phy Sci elec *or* PHY 141
Soc/Beh Sci elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
MAT 228 *or* PHY 142 *or* Gen elec	CSC 220
ANT 105	MAT 200
COM 103	Fine Arts elec
Life Sci elec	Hum/FA elec
	Soc/Beh Sci elec

COMPUTER INFORMATION SYSTEMS

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 200	CSC 140
MAT 108 *or* MAT 160	ACC 101
ENG 101 *or* ENG 106	MAT 128 *or* MAT 145
CIS 122	Hum elec
Phy Sci elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
ACC 102	MAT 129 *or* MAT 143
ECO 101	ECO 102
ENG 102 *or* ENG 220	COM 103
Fine Arts elec	PSY 101
Life Sci elec	Hum/FA elec

COMPUTER SCIENCE (TECHNICAL EMPHASIS)

Program Code: T.CSC.AS.TEC

Required Computer Science Core Courses (10 hours) **Cr. Hrs.**

CSC 123 Computer Science I (C/C++) 4
CSC 125 Computer Science II (C++) 3
CSC 220 Data Structures 3

Required Support Courses (7 hours)

MAT 129 Calculus and Analytic Geometry II 4
MAT 200 Introduction to Discrete Mathematics 3

Required General Education Core Courses (40 hours)

ANT 105 Introduction to Physical Anthropology 3
Communications (three courses)
COM 103 Introduction to Public Speaking 3
ENG 101 Composition I 3
ENG 102 Composition II 3
MAT 128* Calculus and Analytic Geometry I 5
Physical Sciences elective
or PHY 141* Mechanics 4
Life Sciences elective 4
Social/Behavioral Sciences electives 6
Choose from two or more subject areas.
Humanities elective 3
Fine Arts elective 3
Humanities *or* Fine Arts elective 3
One course from Soc/Beh, Hum, or FA must fulfill the non-Western culture requirement.

Elective (3–5 hours)

Select courses to bring total number of credits to a minimum of 60.

Recommended courses:
PHY 142 Electricity and Magnetism 3
or MAT 228 Calculus and Analytic Geometry III and Introductory Matrix Theory 5

Total Semester Credit Hours *60–62*

COMPUTER INFORMATION SYSTEMS (INFORMATION SYSTEMS EMPHASIS)

Program Code: T.CSC.AS.BUS

Required Computer Science Core Courses (14 hours) **Cr. Hrs.**

CIS 122 Introduction to Computer Programming 4
CIS 200 Business Computer Systems 3
CSC 123 Computer Science I (C/C++) 4
CSC 140 Computer Science I (Java) 3

Required Support Courses (15 hours)

ACC 101 Financial Accounting 4
ACC 102 Managerial Accounting 3
MAT 129 Calculus and Analytic Geometry II 4
or MAT 143 Calculus for Business and Social Sciences 4
MAT 160 Statistics 4

Required General Education Core Courses (40–41 hours)

Communications (three courses)
COM 103 Introduction to Public Speaking 3
ENG 101 Composition I 3
ENG 102 Composition II 3
MAT 145 Linear Algebra for Business 4
or MAT 128* Calculus and Analytic Geometry I 5
Physical Sciences elective 4
Life Sciences elective 4
Social/Behavioral Sciences
ECO 101 Principles of Macroeconomics 3
ECO 102 Principles of Microeconomics 3
PSY 101 Introduction to Psychology 4
Humanities elective 3
Fine Arts elective 3
Humanities *or* Fine Arts elective 3
(One course from Soc/Beh, Hum, or FA must fulfill the non-Western culture requirement.)

Total Semester Credit Hours *68–70*

Digital Media

Program Code: T.DGM.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Digital Media program equips students with the skills necessary for the design of computer-generated applications and media. Areas include 3D animation and game design. The digital media program prepares students for employment in such areas as gaming, feature film, web design, video and commercial production, post-production, visual effects, and architectural design.

Students begin their training in classes in 2D and 3D fundamentals, imaging, and design. Students then study the aesthetic and design aspects of digital media with focused courses in graphic design, fine arts, and advanced imaging.

This program transfers to the Bachelor's of Science in Media Arts in the School of Informatics and Computing at Indiana University-Purdue University Indianapolis (IUPUI).

3D ANIMATION AND GAME DESIGN

Required Program Courses (50 hours)		Cr. Hrs.
CIS 112	Computing Essentials	4
CIS 152	Web Design I	3
CIS 297	Job Seminar	1
CSC 179	Digital Media Foundation	3
CSC 186	2D Animation	4
CSC 187	3D Computer Animation I	4
GDS 108	Design Media and Principles	3
GDS 120	Graphic Design I	3
CSC 188	3D Computer Animation II	4
CSC 189	3D Computer Animation III	4
CSC 233	Animation Scripting	4
CSC 236	3D Computer Animation IV	4
CSC 294	Computer Graphics Portfolio	3
ART 122	Drawing I	3
ART 125	Color	3

Required General Education Core Courses (15 hours)		Cr. Hrs.
ART 128	Digital Photography	3
COM 103	Introduction to Public Speaking	3
ENG 101	Composition I	3
ENG 102	Composition II	3
THE 124	Film Appreciation	3
Total Semester Credit Hours		*65*

Suggested Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
ART 122	CSC 186	CIS 152	CIS 297
ART 128	CSC 187	CSC 188	CSC 189
CIS 112	ENG 101	CSC 233	CSC 236
CSC 179	GDS 120	ART 125	CSC 294
GDS 108	THE 124	ENG 102	COM 103

Digital Media Certificate

3D COMPUTER ANIMATION SOFTWARE

Program Code: T.VGW.CER

Certificate
Minimum graduation requirement — 12 semester hours

This certificate program equips students with technical skills and proficiency in high-end 3D computer animation software used in feature films, video, and commercial production, CAD/CAM, 3D gaming, and architectural design.

Required Program Courses (12 hours)		Cr. Hrs.
CSC 187	3D Computer Animation I	4
CSC 188	3D Computer Animation II	4
CSC 189	3D Computer Animation III	4
Total Semester Credit Hours		*12*

3D SOFTWARE DEVELOPMENT

Program Code: T.CGR.CER

Certificate
Minimum graduation requirement — 12 semester hours

This certificate program equips students with software development and programming skills to work in three-dimensional graphics software and application environments in the field of computer graphics. This is an advanced-level certificate containing courses with extensive prerequisites.

Required Program Courses (12 hours)		Cr. Hrs.
CSC 212	Mobile Application Development	4
CSC 231	Computer Graphics I	4
CSC 233	Animation Scripting	4
Total Semester Credit Hours		*12*

Interactive Design

Program code: T.IAD.AAS
(pending state approval)

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Interactive Design program prepares students to design interactive user experiences for websites and devices. The program prepares students for careers in marketing communication, web design, web development and related fields. Courses cover principles of design, visual communication, creative problem solving, user experience design and web development. Students will build a diverse portfolio of creative digital media projects including responsive websites, ebooks, apps, and animation.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	ART 128
ART 122	CSC 175	
CIS 112	CSC 179	
CIS 152	GDS 110	
GDS 102	GDS 120	
GDS 108	ENG 101	

FALL	*SPRING*
3rd Semester	*4th Semester*
CSC 121	COM 200 *or* COM 205
CSC 186	GDS 230
GDS 220	GDS 292 *or* COM 292
GDS 271	GDS 293
GDS 272	Math *or* Soc/Beh Sci elec

Required Program Courses (50 hours)		**Cr. Hrs.**
CIS 112	Computing Essentials	4
CIS 152	Web Design I	3
CSC 121	Web Design II	3
CSC 175	Scripting	3
CSC 179	Digital Media Foundation	3
CSC 186	2D Animation	4
GDS 102	Graphic Design History	3
GDS 108	Design Media and Principles	3
GDS 110	Typography I	3
GDS 120	Graphic Design I	3
GDS 220	Graphic Design for Web	3
GDS 230	Motion Design	3
GDS 271	Interactive Design I	3
GDS 272	Interactive Design II	3
GDS 292	Graphic Design Studio	
or COM 292	Internship and Seminar	3
GDS 293	Portfolio Seminar	3

Required General Education Courses (15 hours)

ART 122	Drawing I	3
ART 128	Digital Photography	3
COM 200	Principles of Group Discussion	3
or COM 205	Business and Professional Communication	
ENG 101	Composition I	3
Math or Social/Behavioral Sciences elective		3
Total Semester Credit Hours		*65*

Interactive Design Certificate

Program code: T.IAD.CER
(pending state approval)

Certificate
Minimum graduation requirement — 21 semester hours

The Interactive Design Certificate prepares students for entry-level positions that require in-depth knowledge of HTML, CSS, Javascript, and other web development tools. Students will learn the practical side of developing interactive designs for websites and devices. The certificate program stresses technical competency and prepares students to manage a small business or community service organization website. Students will build a diverse portfolio of digital media projects including responsive websites and ebooks.

Program Note*
Prerequisites for GDS 120 can be waived by the program director for students in this program.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 152	CSC 121
GDS 120	CSC 175

FALL
3rd Semester
GDS 220
GDS 271
GDS 272

Required Program Courses (21 hours)		**Cr. Hrs.**
CIS 152	Web Design I	3
CSC 121	Web Design II	3
CSC 175	Scripting	3
GDS 120	Graphic Design I	3
GDS 220	Graphic Design for Web	3
GDS 271	Interactive Design I	3
GDS 272	Interactive Design II	3
Total Semester Credit Hours		*21*

Network Administration and Support

Program code: T.CNA.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Computer Network System Administrator program prepares students to manage and administer the computer networks of small to medium-sized enterprises. Students will learn to use a variety of operating systems: use, install, and maintain networks; program routers and switches; develop networking software and develop and study documentation used to manage a network. Students will receive extensive hands-on experience. This can transfer to EIU, SIU, and UIS as a 2+2 program.

Program Note*

- Students planning to transfer to a 4-year institution should take COM 103; those planning to enter the workforce upon graduation should take COM 120.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 112	CSC 115
CSC 128	CSC 116
CSC 130	CSC 151
CSC 133	MAT 108
ENG 101	Soc/Beh Sci *or* Hum/FA elec

FALL	*SPRING*	*SUMMER*
3rd Semester	*4th Semester*	
CSC 150	CSC 159	CIS 298
CSC 153	CSC 251	
CSC 171	CSC 271	
Elective	Elective	
COM 103 *or* COM 120	Soc/Beh Sci *or* Hum/FA elec	

Required Courses (44 hours) **Cr. Hrs.**

CIS 112	Computing Essentials	4
CIS 298	Work Experience	3
CSC 115	Networking I, Routers and Switches	3
CSC 116	Networking II, WAN Connectivity	3
CSC 128	Introduction to Linux	3
CSC 130	Introduction to Computer Networks	3
CSC 133	PC Hardware and OS Maintenance	4
CSC 150	Wireless Networking and Emerging Technologies	3
CSC 151	MS OS Workstation	3
CSC 153	MS OS Server	3
CSC 159	Network Administration	3
CSC 171	Linux Installation and Administration	3
CSC 251	Data Security and Recovery	3
CSC 271	Linux Networking and Security	3

Required General Education Courses (15 hours)

COM 103*	Introduction to Public Speaking	3
or COM 120	Interpersonal Communications*	
ENG 101	Composition I	3
MAT 108	Introduction to Applied Statistics	3
Social/Behavioral Sciences electives		6

Electives (Choose 6 hours)

CIS 134	Spreadsheet Applications	3
CIS 138	Database Applications	3
CSC 140	Computer Science I (Java)	3
CSC 155	CGI Perl	3
Total Semester Credit Hours		*65*

Required Courses for Students Transferring to UIS

CSC 140	Computer Science I (Java)	3
CSC 256	Computer Science II (Java) (replaces one elective)	3
MAT 128	Calculus and Analytic Geometry I (replaces CIS 298)	5

Required Courses for Students Transferring to SIU

CSC 140	Computer Science I (Java)	3
CIS 138	Database Applications (MS Access) (replaces one elective)	3
CIS 231	Systems Analysis, Design, and Administration (replaces CIS 298)	3

Networking Certificates

COMPUTER FOUNDATIONS

Program Code: T.PCF.CER

Certificate

Minimum graduation requirement — 17 semester hours

This certificate covers the basics of Windows and Linux operating systems, PC repair, and basic networking. Upon completion, students are prepared for entry-level PC support positions.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CSC 112	CSC 130
CSC 133	CSC 128
	elective

Required Program Courses (14 hours)		**Cr. Hrs.**
CIS 112	Computing Essentials	4
CSC 128	Introduction to Linux	3
CSC 130	Introduction to Computer Networks	3
CSC 133	PC Hardware and OS Maintenance	4

Elective Course (3 hours)

Choose from the following:

CIS 152	Web Design I	3
CIS 134	Excel	3
CIS 138	Database Applications (MS Access)	3

Total Semester Credit Hours *17*

LINUX ADMINISTRATION

Program Code: T.LIN.CER

Certificate

Minimum graduation requirement — 9 semester hours

This certificate prepares students with advanced skills for working with Linux operating systems. Topics include troubleshooting and configuration.

Suggested Sequence

SUMMER	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*
CSC 128	CSC 171	CSC 271

Required Program Courses (9 hours)		**Cr. Hrs.**
CSC 128	Introduction to Linux	3
CSC 171	Linux Installation and Administration	3
CSC 271	Linux Networking and Security	3

Total Semester Credit Hours *9*

MICROSOFT ADMINISTRATION

Program code: T.MSA.CER

Certificate

Minimum graduation requirement — 10 semester hours

This certificate gives students advanced skills for working with Windows Operating Systems (workstation and server) troubleshooting, configuration, and design.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CSC 133	CSC 153
CSC 151	

Required Program Courses (10 hours)		**Cr. Hrs.**
CSC 133	PC Hardware and OS Maintenance	4
CSC 151	MS OS Workstation	3
CSC 153	MS OS Server	3

Total Semester Credit Hours *10*

CISCO NETWORKING

Program Code: T.CIS.CER

Certificate

Minimum graduation requirement — 15 semester hours

This certificate program prepares students with advanced skills for working with computer networks, Cisco routers, and switches. Wired and wireless networks are covered for troubleshooting, configuration, design, and repair.

Program Note*

CSC 115 and CSC 116 are eight-week classes; CSC 115 is taught during the first half of the semester and CSC 116 follows during the second half.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CSC 130	CSC 115*
	CSC 116
	CSC 150
	CSC 251

Alternate Suggested Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
CSC 130	CSC 115*	CSC 150	CSC 251
	CSC 116		

Required Program Courses (15 hours)		**Cr. Hrs.**
CSC 115	Advanced Networking I	3
CSC 116	Advanced Networking II	3
CSC 130	Introduction to Computer Networks	3
CSC 150	Wireless Networking and Emerging Technologies	3
CSC 251	Advanced Topics in Computer Security	3

Total Semester Credit Hours *15*

Data Systems and Development

Program code: T.CPL.AAS
(pending state approval)

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Data Systems and Development program equips students for a wide range of opportunities as computer programmers and software designers. Areas include mobile application development, systems and database programming, 3D graphics programming, and object-oriented software development. Students begin their training with foundational language courses and then may choose from a wide variety of advanced, industry-specific courses to customize their degree. Students may also choose to select from a number of smaller degree certificates embedded within the software development program. This program transfers to EIU, UIS, and SIU under the 2+2 agreement.

Program Note*
CTC substitution may be accepted for CIS 138 and CIS 152.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 112	CSC 140 *or* CSC 123
CIS 122	CSC 128
CIS 137 or CSC 133	CIS 152
ENG 101	ENG 102
Gen Ed *or* elective	Gen Ed *or* elective

FALL	*SPRING*
3rd Semester	*4th Semester*
Elective	Electives
CSC 176	CIS 231
CSC 130	MAT 108, MAT 124, *or* MAT 200
Elective	
Gen Ed *or* elective	

Required Program Courses (23–24 hours) Cr. Hrs.

CIS 112	Computing Essentials	4
CIS 122	Introduction to Computer Programming	4
CIS 137	Basic PC Maintenance/Operating Systems Concepts	3
or CSC 133	PC Hardware and OS Maintenance	4
CSC 176	Database Theory	3
CSC 130	Introduction to Computer Networks	3
CIS 152*	Web Design I	3
CSC 128	Introduction to Linux	3

Program Electives
(Choose a minimum of 19 hours)

CIS 138*	Database Applications (MS Access)	3
CIS 298	Work Experience	3
CSC 123	Computer Science I (C/C++)	4
CSC 125	Computer Science II (C++)	3
CSC 140	Computer Science I (Java)	3
CSC 151	MS OS Workstation	3
CSC 153	MS OS Server	3
CSC 171	Linux Installation and Administration	3
CSC 175	Scripting	3
CSC 191	SQL	4
CSC 192	Database Administration	4
CSC 212	Mobile Application Development	4
CSC 220	Data Structures	3
CSC 256	Computer Science II (Java)	3

Required General Education Courses
(15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
Social and Behavioral Sciences *or* Humanities and Fine Arts Elective		6
MAT 200	Introduction to Discrete Mathematics	3
or MAT 108	Introduction to Applied Statistics	3
or MAT 124	College Algebra	4

Capstone (3 hours)

CIS 231	Systems Analysis, Design, and Administration	3
Total Semester Credit Hours		*60–61*

Required courses for students transferring to UIS

CSC 140	Computer Science I (Java)	3
CSC 256	Computer Science II (Java)	3
MAT 128	Calculus and Analytical Geometry (Replaces any CSIT elective)	5
MAT 200	Introduction to Discrete Mathematics	3

Data Systems and Development Certificates

DATABASE FOUNDATION

Program Code: T.SDV.CER
(pending state approval)

Certificate

Minimum graduation requirement — 20 semester hours

Focuses on database applications; completion of certificate can be applied to the A.A.S. in Data Systems and Development.

Suggested Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
CSC 123 *or* CSC 140	*CSC 176* CSC 155	CSC 191 CSC 192
CSC 128		

Required Core Courses (20–21 hours)		Cr. Hrs.
CSC 123	Computer Science I (C/C++)	4
or CSC 140	Computer Science I (Java)	3
CSC 128	Introduction to Linux	3
CSC 155	CGI with Perl	3
CSC 176	Database Theory	3
CSC 191	SQL	4
CSC 192	Database Administration	4
Total Semester Credit Hours		*20–21*

GRAPHICS APPLICATIONS

Program Code: T.GRA.CER
(pending state approval)

Certificate

Minimum graduation requirement — 19 semester hours

Focuses on graphics aspects of data systems; completion of certificate can be applied to the A.A.S. in Data Systems and Development.

Suggested Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
CSC 123	CSC 125	CSC 231
CSC 187	CSC 233	

Required Program Courses (19 hours)		Cr. Hrs.
CSC 123	Computer Science I (C/C++)	4
CSC 125	Computer Science II (C++)	3
CSC 187	3D Computer Animation I	4
CSC 231	Computer Graphics	4
CSC 233	Animation Scripting	4
Total Semester Credit Hours		*19*

GENERAL PROGRAMMING

Program Code: T.GPR.CER
(pending state approval)

Certificate

Minimum graduation requirement — 13 semester hours

Builds foundational programming skills; completion of certificate can be applied to the A.A.S. in Data Systems and Development.

Suggested Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
CIS 122	CSC 123 *or* CSC 140	SC 125 *or* CSC 256	CSC 220

Required Program Courses (13 hours)		Cr. Hrs.
CIS 122	Introduction to Programming	4
CSC 123	Computer Science I (C/C++)	4
or CSC 140	Computer Science I (Java)	3
CSC 125	Computer Science II (C++)	3
or CSC 256	Computer Science II (Java)	3
CSC 220	Data Structures	3
Total Semester Credit Hours		*13*

MOBILE APPLICATIONS

Program Code: T.MOB.CER
(pending state approval)

Certificate

Minimum graduation requirement — 10 semester hours

Builds skills needed to develop mobile apps; completion of certificate can be applied to the A.A.S. in Data Systems and Development.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CSC 140	CSC 212
	CSC 256

Required Program Courses (16 hours)		Cr. Hrs.
CSC 140	Computer Science I (Java)	3
CSC 212	Mobile Application Development	4
CSC 256	Computer Science II (Java)	3
Total Semester Credit Hours		*10*

Data Systems and Development Certificates

continued

WEB APPLICATIONS

Program Code: T.WAP.CER
(pending state approval)

Certificate
Minimum graduation requirement — 15 semester hours

Focuses on web development skills; completion of certificate can be applied to the A.A.S. in Data Systems and Development.

Suggested Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
CSC 123 *or* CSC 140	CSC 152 CSC 128	CSC 155 CSC 175

Required Program Courses (15–16 hours)		**Cr. Hrs.**
CSC 123	Computer Science I (C/C++)	4
or CSC 140	Computer Science I (Java)	3
CIC 152	Web Design I	3
CSC 128	Introduction to Linux	3
CSC 155	CGI with Perl	3
CSC 175	Scripting	3
Total Semester Credit Hours		*15–16*

Office Professional

Program Code: T.OCA.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 63 semester hours

The Office Professional Program prepares students with the skills needed for office work: keyboarding, software applications, office procedures, mathematics, and communications. Work experience is required at the end of the program. This can transfer to EIU as a 2+2 program.

Program Note*
CTC substitution may be accepted for CIS 131, CIS 134, CIS 135, CIS 138, CIS 151, and CIS 152 — see department chair.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 112	CIS 131
CIS 135	CIS 134
CIS 157	CIS 138
CIS 170	CIS 235
ENG 101	ACC 117
	COM 103 *or* COM 120

FALL	*SPRING*
3rd Semester	*4th Semester*
CIS 171	CIS 298
CIS 270	Electives
CIS 297	Soc/Beh Sci *or* Hum/FA elec
MAT 110	
Electives	
Soc/Beh Sci *or* Hum/FA elec	

Required Core Courses (37 hours)		**Cr. Hrs.**
ACC 117	Accounting and Bookkeeping	3
CIS 112	Computing Essentials	4
CIS 131*	Presentation Graphics (MS PowerPoint)	2
CIS 134*	Spreadsheet Applications (MS Excel)	3
CIS 135*	Word Processing I (MS Word)	4
CIS 138*	Database Applications (MS Access)	3
CIS 157	Keyboarding II	3
CIS 170	Office Professional Topics	3
CIS 171	Document Preparation and Editing	3
CIS 235	Word Processing II (MS word)	2
CIS 270	Integrated Software Applications	3
CIS 297	Job Seminar	1
CIS 298	Work Experience	3

Electives (choose 11 hours)

ACC 219	Computerized Integrated Accounting	3
ACC 275	Payroll Tax Accounting	3
BUS 106	Business and Organizational Ethics	3
BUS 204	Legal Environment of Business	3
CIS 137	Operating System Concepts and Basic PC Maintenance	3
CIS 152*	Web Design I	3
CTC 119	Outlook	1
CTC 157	Google Applications	1
CTC 190	Publisher	1
CTC 193	Windows	1
HCS 154	Medical Terminology	3
MGT 113	Human Relations in the Workplace	3
MGT 117	Customer Service Management	3

Required General Education Core Courses (15 hours)

COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	3
ENG 101	Composition I	3
MAT 110	Business Mathematics	3
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*63*

Required Courses for Students Transferring to EIU

COM 103	Introduction to Public Speaking	3
ENG 102	Composition II (Replaces CIS 298)	3
MAT 107 *or* MAT 108	General Education Mathematics Introduction to Applied Statistics (Replaces MAT 110)	3

Office Professional Certificates

APPLICATION SPECIALIST

Program Code: T.MSO.CER

Certificate

Minimum graduation requirement — 14 semester hours (with an A or B or higher) and a passing score on three of the five MOS certification exams, administered by an approved MOS testing center.

This certificate program prepares graduates to enter the workforce with the skills needed for employment using Microsoft Office software (Word, Excel, Access, PowerPoint, and Outlook) with certification from Microsoft in three of the five applications. These courses are offered through the Computer Technology Center as open-entry/open-exit courses. Students may enroll at any time during the semester and complete the coursework at their own pace (some restrictions may apply).

Program Notes*

- CTC substitution may be accepted for CIS 131, CIS 134, CIS 135, and CIS 138—see department chair.
- CTC 119 (Outlook, 1 credit hour) is available through the CTC. *For more information contact Tammy Kesler at 217/351-2506 or tkesler@parkland.edu.*

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 131	CIS 134
CIS 135	CIS 138
	CIS 235

Required Program Courses (14 hours)

		Cr. Hrs.
CIS 131*	Presentation Graphics (MS PowerPoint)	2
CIS 134*	Spreadsheet Applications (MS Excel)	3
CIS 135*	Word Processing (MS Word)	4
CIS 138*	Database Applications (MS Access)	3
CIS 235	Word Processing II (MS Word)	2
Total Semester Credit Hours		*14*

BOOKKEEPING OFFICE ASSISTANT

Program Code: T.BKP.CER

Certificate

Minimum graduation requirement — 16 semester hours

The Bookkeeping Office Assistant certificate prepares the student with general knowledge of office and bookkeeping skills. Graduates may be employed by businesses as an office assistant.

Program Note*

CTC substitutions may be accepted for CIS 134 and CIS 135—see department chair.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ACC 117	ACC 219
CIS 135	CIS 134
ENG 101	

Required Courses (16 hours)

ACC 117	Accounting and Bookkeeping	3
ACC 219	Computerized Integrated Accounting	3
CIS 134*	Spreadsheet Applications	3
CIS 135*	Word Processing I	4
ENG 101	Composition I	3
Total Semester Credit Hours		*16*

Office Professional Certificates

continued

CUSTOMER SERVICE

Program Code: B.SER.CER

Certificate

Minimum graduation requirement — 15 semester hours

The Customer Service Certificate is designed to help any student who is employed, or will be employed, in a business or organization that provides products or services to customers. Successful completers of this certificate should be able to identify a comprehensive customer service strategy and implement the practical techniques needed to provide good service. Emphasis will be on the use of computer technology and business communication skills that will support working in an office environment that has an emphasis on business projects.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
MGT 113	BUS 106
CIS 170	MGT 117
COM 120	

Required Courses (15 hours)

BUS 106	Business and Organizational Ethics	3
CIS 170	Office Professional Topics	3
COM 120	Interpersonal Communication	3
MGT 113	Human Relations in the Workplace	3
MGT 117	Customer Service Management	3
Total Semester Credit Hours		*15*

OFFICE ASSISTANT

Program Code: T.IPR.CER

Certificate

Minimum graduation requirement — 16 semester hours

The Office Assistant Certificate Program prepares students to be job ready in one semester.

Program Note*

CTC substitutions may be accepted for CIS 134 and CIS 135 — see department chair.

Suggested Sequence

FALL
1st Semester
CIS 112
CIS 134
CIS 135
CIS 170
Elective

Required Program Courses (14 hours)

		Cr. Hrs.
CIS 112	Computing Essentials	4
CIS 134*	Spreadsheet Applications (MS Excel)	3
CIS 135*	Word Processing I (MS Word)	4
CIS 170	Office Professional Topics	3

Electives (choose one course)

CTC 135	Skill Building	2
CIS 156	Keyboarding I	3
CIS 157	Keyboarding II	3
Total Semester Credit Hours		*16–17*

Office Professional Certificates

continued

OFFICE SPECIALIST

Program Code: T.OCP.CER

Certificate

Minimum graduation requirement — 30 semester hours

The Office Specialist Certificate Program prepares students with general skills required for entry level office professional positions.

Program Note*

CTC substitutions may be accepted for CIS 134, CIS 135, and CIS 138 — see department chair.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
CIS 112	ACC 117	CIS 270
CIS 135	CIS 134	
CIS 157	CIS 138	
ENG 101	CIS 171	
	CTC 119	

Required Program Courses (27 hours)		**Cr. Hrs.**
ACC 117	Accounting and Bookkeeping	3
CIS 112	Computing Essentials	4
CIS 134*	Spreadsheet Applications (MS Excel)	3
CIS 135*	Word Processing I (MS Word)	4
CIS 138*	Database Applications (MS Access)	3
CIS 157	Keyboarding II	3
CIS 170	Office Professional Topics	3
CIS 171	Document Preparation and Editing	3
CTC 119	Outlook	1

Required General Education Core Course (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*30*

Engineering Science and Technologies

Parkhill Applied Technology Center, T Building • 217/351-2481 • www.parkland.edu/est

Catherine Stalter, department chair

Christine Murphy-Lucas, administrative assistant

Engineering Science and Technologies (EST) develops certificates and degree programs that respond to technological advances and industry demand. Its hands-on approach to learning includes lab work, course projects, and internships. Career programs in EST prepare students for jobs in technical fields such as automotive technology, collision repair, electronics, industrial technology, construction, and more. EST also provides students opportunities to expand their interests, in organizations such as Parkland Motorsports and Diesel Pulling Club, as well as student chapters of the National Home Builders Association and the Illinois Professional Land Surveyors Association.

Graduates in most of our technical fields are able to continue their education and receive baccalaureate degrees from a variety of area colleges or universities. Students interested in pursuing the four-year degree should create an educational plan with their academic advisor consulting the catalog of the four-year institution they plan to attend.

The Parkhill Applied Technology Center, located on the west side of campus, is home to the Automotive, Ford ASSET, Automotive Collision Repair, Industrial Technology, and Welding programs. This state-of-the-art facility offers students hands-on skills learning in a facility that simulates the conditions that they will experience in real life jobs. EST has long-standing partnerships with area industries and job placement is very high for graduates in these technical fields.

Associate in Engineering Science (A.E.S.) Degree

Program Code: EENS AES

Program Codes:

E.ENS.AES.AAE	*Aeronautical and Astronautical Engineering*
E.ENS.AES.AGE	*Agricultural Engineering*
E.ENS.AES.BIO	*Bioengineering*
E.ENS.AES.CME	*Chemical Engineering*
E.ENS.AES.CVE	*Civil Engineering*
E.ENS.AES.CPE	*Computer Engineering*
E.ENS.AES.CSC	*Computer Science Engineering*
E.ENS.AES.ELE	*Electrical Engineering*
E.ENS.AES.EME	*Engineering Mechanics*
E.ENS.AES.GNE	*General Engineering*
E.ENS.AES.IDE	*Industrial Engineering*
E.ENS.AES.MAN	*Manufacturing Engineering*
E.ENS.AES.MAT	*Material Sciences and Engineering*
E.ENS.AES.MHE	*Mechanical Engineering*
E.ENS.AES.NCE	*Nuclear Engineering*

Community college students are strongly encouraged to complete an Associate in Engineering Science degree prior to transferring to a four-year institution in engineering.

To transfer as a junior into a baccalaureate engineering program, students must complete a minimum of 60 semester credit hours to a maximum of 68 semester credit hours, including all of the essential prerequisite courses. Students with fewer than 68 semester credit hours at transfer are unlikely to complete the baccalaureate degree within two years after transfer. Since admission is highly competitive, completion of the suggested courses does not guarantee admission.

The A.E.S. degree requires a minimum of 60 credit hours. The A.E.S. degree also requires that students complete 9 hours of general education credit hours in communications (ENG 101 and 102 required), humanities/fine arts (0 to 9 hours), and social/behavioral sciences (0 to 9 hours). If students need credits to reach to 60 hour minimum, they are advised to take general education courses in communication, humanities/fine arts, and social/behavioral sciences. Students are encouraged to select at least one course in either the humanities/fine arts or the social sciences that emphasizes non-Western cultures or minority cultures within the United States. If two courses are selected in a field, a two-semester sequence in the same discipline is recommended.

Students should plan their transfer programs with a counselor/advisor and the catalog of the four-year college or university they plan to attend. See the Illinois Articulation Initiative website (www.itransfer.org) for general transfer guidance.

Completion of the A.E.S. degree does not guarantee students the benefits of the "articulation compact program," which is available at several state universities for students who earn the A.A. or A.S. degree.

Engineering students are advised to consider completion of the general education core (see p. 71) prior to transferring.

Program Notes*

- For students planning to transfer to the University of Illinois: PHY 143 is not required for the A.E.S. degree but is generally required or suggested for transfer to the UI College of Engineering.
- CSC 127 satisfies IAI EGR 922 requirements for non-UI transfer students.
- For current UI ECE information, see www.ece.illinois.edu/students/ugrad/degree-info-prospective. Consider taking ECE 110 and ECE 120 (either first) on a Parkland-UI concurrent enrollment basis.
- Mechanical engineering at University of Illinois requires ME170 rather than GE101, which is equivalent to Parkland ENS 101.

		Aeronautical, General, Mechanical, Manufacturing	Agricultural Engineering	Bioengineering	Civil and Engineering Mechanics	Chemical Engineering	Computer Science Engineering	Elecrical, Computer Engineering	Industrial Engineering	Materials Science and Engineering	Nuclear Engineering
BIO 101	General Biology I		4								
BIO 141 *or* BIO 121	Principles of Biology I Anatomy and Physiology I (4)			5							
BIO 142 *or* BIO 122	Principles of Biology II Anatomy and Physiology II (4)			5							
CHE 101	General Chemistry I	5	5	5	5	5	5	5	5	5	5
CHE 102*	General Chemistry II	5	5	5	5	5	5	5	5	5	5
CHE 203-204	Organic Chemistry I			5		5					
CHE 205-206	Organic Chemistry II					5					
CSC 123*	Computer Science I (C/C++)						4	4			
CSC 125*	Computer Science II (C++)						3	3			
CSC 127*	Computer Programming	3	3	3	3	3			3	3	3
ECO 102	Principles of Microeconomics								3		
ENG 101	Composition I	3	3	3	3	3	3	3	3	3	3
ENG 102	Composition II	3	3	3	3	3	3	3	3	3	3
ENS 101*	Introduction to Engineering and CAD	3	3		3				3		
ENS 201	Engineering Mechanics I (Statics)	3	3		3				3	3	3
ENS 202	Engineering Mechanics of Solids	3			3				3	3	
ENS 203	Engineering Mechanics II (Dynamics)	3	3		3				3		3
MAT 128	Calculus and Analytic Geometry I	5	5	5	5	5	5	5	5	5	5
MAT 129	Calculus and Analytic Geometry II	4	4	4	4	4	4	4	4	4	4
MAT 228	Calculus and Analytic Geometry III	5	5	5	5	5	5	5	5	5	5
MAT 229	Differential Equations and Introductory Matrix Theory	5	5	5	5	5	5	5	5	5	5
PHY 141	Mechanics	4	4	4	4	4	4	4	4	4	4
PHY 142	Electricity and Magnetism	4	4	4	4	4	4	4	4	4	4
PHY 143*	Modern Physics	4	4	4	4	4	4	4	4	4	4
Humanities/Fine Arts elective(s)		0–9	0–9	0–9	0–9	0–9	0–9	0–9	0–9	0–9	0–9
Social/Behavioral Sci elective(s)		0–9	0–9	0–9	0–9	0–9	0–9	0–9	0–6	0–9	0–9
Totals		*62*	*63*	*65*	*62*	*60*	*60*	*60*	*65*	*60*	*60*

Automotive Collision Repair Technician

Program Code: E.ACR.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 64.5 semester hours

The Automotive Collision Repair Technician Program prepares graduates to work in a collision repair facility.

Program Notes

- Before enrolling in ACR courses, students must be accepted into the Automotive Collision program.
- A basic tool set must be purchased for required program courses. See program director.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	*3rd Semester*
ACR 130, ACR 131	ACR 137	ACR 116
ACR 133	ACR 154	ACR 134
ACR 135	ENG 101	
MAT 131	WLD 110/WLD 112	
FALL	*SPRING*	
4th Semester	*5th Semester*	
ACR 156, ACR 272	ACR 136	
AFD 153	ACR 273	
COM 103 *or* COM 120	ACR 274	
	AFD 217	
Soc/Beh Sci *or* Hum/FA elec	Soc/Beh Sci *or* Hum/FA elec	

Required Program Courses (49.5 hours)		**Cr. Hrs.**
ACR 116	Collision Repair Electrical Analysis	4
ACR 130	Unibody Construction, Estimating, and Measuring Principles	4
ACR 131	Collision Repair Work Experience I	2
ACR 133	Unibody Collision Repair	3
ACR 134	Collision Repair Work Experience II	2
ACR 135	Collision Repair: Glass, Plastic, Trim, and Structural Repair.	3
ACR 136	Collision Repair Work Experience III	2
ACR 137	Vehicle Prep/Top Coat Application.	4
ACR 154	Collision Repair Mechanical Analysis	4
ACR 156	Custom Refinish Techniques.	2
ACR 272	Advanced Structural Repair	2.5
ACR 273	Advanced Vehicle Systems	2.5
ACR 274	Advanced Refinish Techniques	2.5
AFD 153	Brake Systems	4
AFD 217	Basic Refrigeration	4
WLD 110	Beginning Gas and Arc Welding	2
WLD 112	Metal Inert Gas Welding.	2

Required General Education Core Courses (15 hours)		
COM 103 *or* COM 120	Introduction to Public Speaking Interpersonal Communication.	3
ENG 101	Composition I.	3
MAT 131	Applied Mathematics	3
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*64.5*

Automotive Collision Repair Technician

Program Code: E.ACR.CER

Certificate
Minimum graduation requirement — 38 semester hours

The Automotive Collision Repair Technician Certificate Program prepares graduates with basic skills for use in a collision repair facility.

Program Note

Before enrolling in ACR courses, students must be accepted into the Automotive Collision program.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
ACR 130	ACR 134	ACR 116
ACR 131	ACR 137	ACR 136
ACR 133	ACR 154	
ACR 135	COM 103 *or* COM 120	
MAT 131	WLD 110/WLD 112	

Required Program Courses (32 hours)		**Cr. Hrs.**
ACR 116	Collision Repair Electrical Analysis	4
ACR 130	Unibody Construction, Estimating, and Measuring Principles	4
ACR 131	Collision Repair Work Experience I	2
ACR 133	Unibody Collision Repair	3
ACR 134	Collision Repair Work Experience II	2
ACR 135	Collision Repair: Glass, Plastic, Trim, and Structural Repair.	3
ACR 136	Collision Repair Work Experience III	2
ACR 137	Vehicle Prep/Top Coat Application.	4
ACR 154	Collision Repair Mechanical Analysis	4
WLD 110	Beginning Gas and Arc Welding	2
WLD 112	Metal Inert Gas Welding	2

Required General Education Core Courses (6 hours)		
COM 103 *or* COM 120	Introduction to Public Speaking Interpersonal Communication.	3
MAT 131	Applied Mathematics	3
Total Semester Credit Hours		*38*

Automotive Collision Repair Certificates

AUTOMOTIVE COLLISION ESTIMATING

Program code: E.ACE.CER

Certificate

Minimum graduation requirements — 8 semester hours

ACR 130	Unibody Construction, Estimating, and Measuring Principles	4
ACR 154	Collision Repair Mechanical Analysis	4
Total Semester Credit Hours		*8*

AUTOMOTIVE WELDING

Program code: E.CWC. CER

Certificate

Minimum graduation requirements — 8 semester hours

WLD 111	Introduction to Welding	4
WLD 112	Metal Inert Gas Welding	2
WLD 212	Advanced Metal Inert Gas Welding	2
Total Semester Credit Hours		*8*

CUSTOM AUTOMOTIVE DESIGN

Program code: E.CCD.CER

Certificate

Minimum graduation requirements — 8 semester hours

ACR 155	Custom Automotive Upholstery	2
ACR 156	Custom Refinish Techniques	2
WLD 112	Metal Inert Gas Welding	2
WLD 212	Advanced Metal Inert Gas Welding	2
Total Semester Credit Hours		*8*

REFINISHING

Program code: E.CRR.CER

Certificate

Minimum graduation requirement — 8.5 semester hours

ACR 137	Vehicle Prep/Top Coat Application	4
ACR 156	Custom Refinish Techniques	2
ACR 274	Advanced Refinish Techniques	2.5
Total Semester Credit Hours		*8.5*

Automotive Maintenance and Light Repair

Program Code: E.AUS.CER

Certificate

Minimum graduation requirement — 27 semester hours

The Automotive Service Certificate Program prepares graduates with basic skills for use in mass merchandiser/service centers. The content of this certificate is based on the Maintenance and Light Repair standards set by the National Automotive Technician Education Foundation.

Students wishing to transfer Maintenance and Light Repair credits from another training program must provide the following:

- Official transcript clearly stating the completion of the MLR standards set by NATEF with quality grades.
- Evidence that the training program was NATEF MLR accredited at the time of completion.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
AFD 110	AFD 111
AFD 113	AFD 115
AFD 210	

Required Program Courses (25 hours)		**Cr. Hrs.**
AFD 110	Automotive Maintenance and Light Repair	4
AFD 111	Automotive Powertrain Maintenance and Light Repair	7
AFD 113	Automotive Chassis System Maintenance and Light Repair	7
AFD 115	Basic Chassis Electrical Systems	7
Other Required Course (2 hours)		
AFD 210	Automotive Work Experience Seminar	2
Total Semester Credit Hours		*27*

Automotive Technician

Program Code: E.AMT.CER

Certificate
Minimum graduation requirement — 39 semester hours

The Automotive Technician Certificate Program prepares graduates to be entry-level technicians in an automotive dealership or service center.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
AFD 110	AFD 111	AFD 112
AFD 113	AFD 115	AFD 117
AFD 210		AFD 232
MAT 131		COM 103 *or* COM 120 *or* ENG 101

Required Program Courses (33 hours)		**Cr. Hrs.**
AFD 110	Automotive Maintenance and Light Repair	4
AFD 111	Automotive Powertrain Maintenance and Light repair	7
AFD 112	Introduction to Power Trains	3
AFD 113	Automotive Chassis System Maintenance and light repair	7
AFD 115	Basic Chassis Electrical Systems.	7
AFD 117	Basic Automotive Electronics and Computer Control Strategies	3
AFD 210	Automotive Work Experience Seminar	2

Required General Education Core Courses (6 hours)		
COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	
or ENG 101	Composition I.	3
MAT 131	Applied Mathematics	3
Total Semester Credit Hours		*39*

Automotive Ford Motor ASSET Program

Program Code: E.AFT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 71 semester hours

ASSET (Automotive Student Service Educational Training) is a two-year program leading to an Associate in Applied Science degree in Automotive Service Technology. It is a joint effort of Ford Motor Company, Ford and Lincoln dealers, and Parkland College. The ASSET curriculum utilizes periods of classroom work alternating with periods of work experience. Graduates of the ASSET program can enter the workforce as entry-level service technicians with certifications from Ford Motor Company, or transfer earned credits toward a bachelor's degree.

Students can enter the ASSET program each fall semester. Classroom sessions are eight weeks long and alternate with eight-week work sessions. Enrollment in all AFM classes requires approval of the ASSET director.

Students are required to bring a laptop computer to all Ford ASSET (AFM) courses.

CLASS SEQUENCE FOR THE TWO-YEAR PROGRAM:

August to October (8-weeks)		**Cr. Hrs.**
(classroom instruction 14 credit hours)		
AFM 115	Basic Automotive Electrical	6
AFM 156	Dealership Operations	2
COM 103	Introduction to Public Speaking	3
or COM 120	Interpersonal Communication	
MAT 131	Applied Mathematics	3
October to December (8-weeks)		
(co-op work experience in dealership 2 credit hours)		
AFM 256	Work Experience I	2
January to March (8-weeks)		
(classroom instruction 13 credit hours)		
AFM 117	Computer Controls and Scan tools	4
AFM 118	Noise Vibration and Harshness Principles and Diagnosis	2
AFM 153	Brakes and ABS	4
Social Science *or* Humanities elective I		3
March to May (8-weeks)		
(co-op work experience in dealership 2 credit hours)		
AFM 257	Work Experience II	2
May to July (8-weeks)		
(classroom instruction 11 credit hours)		
AFM 112	Manual Transmission and Drive Trains	4
AFM 217	Climate Control Systems	4
AFM 253	Steering and Suspension Systems	3
August to October (8-weeks)		
(co-op work experience in dealership 2 credit hours)		
AFM 258	Work Experience III	2
October to December (8-weeks)		
(classroom instruction 13 credit hours)		
AFM 252	Engine Performance	8
ENG 101	English Composition I	3
WLD 110	Beginning Gas and Arc Welding	2
January to March (8-weeks)		
(co-op work experience in dealership 2 credit hours)		
AFM 259	Work Experience IV	2
March to May (8-weeks)		
(classroom instruction 12 credit hours)		
AFM 132	Internal Combustion Engines	4
AFM 233	Automatic Transmissions	5
Social Science *or* Humanities Elective II		3
Total Semester Credit Hours		*71*

Other Recommended Course

AFD 270	Diesel Engine Performance	3

Automotive Technology

Program Code: E.AUT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 71 semester hours

The Automotive Technology Program prepares graduates for entry-level employment in the automotive industry. The Automotive Technician Program is designed to give graduates skill to succeed in new car dealerships and independent service centers. This program is designed to develop strong technical skills along with managerial skills.

Curriculum for the Automotive Technology degree is based on the Master Automotive Service Technology standards (MAST) set by the National Automotive Technician Foundation (NATEF) and Automotive Service Excellence (ASE).

Students should plan their programs with a faculty advisor.

NOTE: Students considering transferring to a senior institution will need to contact the institution as soon as possible to determine the general education courses that are transferable and the required credit hours.

Program Notes*

- Up to two credit hours of student work experience (AFD 211) may be completed before meeting the required prerequisites. See instructor for work plan.
- AFD elective courses are offered each semester and may be completed during other semesters than the suggested sequence.
- A valid driver's license is required for internship courses
- MAT 124 or MAT 107 or MAT 108 may be taken instead of MAT 131.

Required Program Core Courses

(33 hours)		**Cr. Hrs.**
AFD 112	Introduction to Power Trains	3
AFD 113	Automotive Chassis System Maintenance and light repair	7
AFD 115	Basic Chassis Electrical Systems	7
AFD 117	Basic Auto Electronics and Computer Control Strategies	3
AFD 119	Chassis Electrical/Electronic Systems and Accessories	4
AFD 210	Automotive Work Experience Seminar	2
AFD 231	Fuel and Emissions Diagnosis	4
AFD 295	Service Shop Operations	3

AUTOMOTIVE TECHNICIAN CONCENTRATION

Program Code: E.AUT.AAS.TECH

The Automotive Technician Program prepares graduates for entry-level employment in automotive dealerships and independent service centers in technical positions. The program is designed to develop strong technical skills along with managerial skills.

Required General Education Courses

(15 hours)		**Cr. Hrs**
ENG 101	Composition I	3
MAT 131*	Applied Mathematics	3
COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	
or ENG 102	Composition II	3
Social/Behavioral Science		
or Humanities/Fine Arts elective		6

Required Automotive Courses (20 hours)

AFD 110	Automotive Maintenance and Light Repair	4
AFD 111	Automotive Powertrain Maintenance and Light repair	7
AFD 211*	Auto/Diesel Work Experience	4
AFD 232	Multi-Cylinder Engine Overhaul	5

Technical Elective Courses (3–5 hours)

Choose from the following electives:

WLD 111	Introduction to Welding	4
AFD 233	Automatic Transmissions	4
AFD 217	Basic Refrigeration	4
AFD 296	Motorsport Vehicle System Assessment	3
AFD 298	Motorsport Chassis Analysis	5
AFD 297	Motorsport Concepts and Vehicle Preparation	4
Total Semester Credit Hours		*71–73*

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	*3rd Semester*
AFD 110	AFD 111	AFD 211 (2 hrs)
AFD 113	AFD 115	AFD elective)
AFD 210	ENG 101	
MAT 131		

FALL	*SPRING*
4th Semester	*5th Semester*
AFD 112	AFD 119
AFD 117	AFD 211 (2 hrs)
AFD 232	AFD 231
COM 103 *or* COM 120 *or* ENG 102	AFD 295
Soc/Beh Sci *or* Hum/FA elec	Soc/Beh Sci *or* Hum/FA elec

AUTOMOTIVE MANAGEMENT CONCENTRATION

Program Code: E.AUT.AAS.MGNT

The Automotive Management Program prepares graduates for entry-level positions in the automotive industry in a variety of environments, including technical, business and managerial areas. Graduates may work in new car dealerships, independent repair shops, or retail automotive businesses.

Required General Education Courses (15 hours) **Cr. Hrs.**

ENG 101	Composition I	3
MAT 131	Applied Mathematics	3
COM 103 *or* COM 120 *or* ENG 102	Introduction to Public Speaking / Interpersonal Communication / Composition II	3
Social/Behavioral Science *or* Humanities/Fine Art electives		6

Other Required Courses (9 hours)

Accounting, Business, Marketing or Management electives		9

Required Automotive Courses (15 hours)

AFD 110	Automotive Maintenance and Light Repair	4
AFD 111	Automotive Powertrain Maintenance and Light repair	7
AFD 211	Auto/Diesel Work Experience	4
Total Semester Credit Hours		*72*

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	*3rd Semester*
AFD 110	AFD 111	AFD 211 (2 hrs)
AFD 113	AFD 115	Soc/Beh Sci *or* Hum/FA elec
AFD 210	ENG 101	
MAT 131		

FALL	*SPRING*
4th Semester	*5th Semester*
AFD 112	AFD 119
AFD 117	AFD 231
AFD 211 (2hrs)	AFD 295
COM 103 *or* COM 120 *or* ENG 102	BUS elec
Soc/Beh Sci *or* Hum/FA elec	BUS elec

AUTOMOTIVE MOTORSPORT CONCENTRATION

Program Code: E.AUT.AAS.MOSP

The Automotive Motorsport Program prepares graduates to qualify for entry level motorsport industry assembly, fabrication, and team member positions. The program is designed to build on a strong foundation of traditional automotive course work while offering innovative motorsport courses and hands-on opportunities.

Required General Education Courses (15 hours) **Cr. Hrs.**

ENG 101	Composition I	3
MAT 131	Applied Mathematics	3
COM 103 *or* COM 120 *or* ENG 102	Introduction to Public Speaking / Interpersonal Communication / Composition II	3
Social/Behavioral Science *or* Humanities/Fine Art electives		6

Required Automotive Courses (21 hours)

AFD 232	Multi-Cylinder Engine Overhaul	5
AFD 272	Motorsport Work Experience I	2
AFD 273	Motorsport Work Experience II	2
AFD 296	Motorsport Vehicle System Assessment	3
AFD 297	Motorsport Concepts and Vehicle Preparation	4
AFD 298	Motorsport Chassis Analysis	5

Technical Elective Courses (2–4 hours)

Choose from the following electives:

MFT 121	Basic Machine Processes	3
WLD 111	Introduction to Welding	4
WLD 112	Gas Metal Arc Welding	2
WLD 113	Gas Tungsten Arc Welding	2
WLD 114	Fabrication Welding	3
WLD 212	Advanced Gas Metal Arc Welding	2
WLD 213	Advanced Gas Tungsten Arc Welding	2
Total Semester Credit Hours		*71–73*

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	*3rd Semester*
AFD 113	AFD 115	AFD 296
AFD 210	AFD 298	Soc/Beh Sci *or* Hum/FA elec
AFD 297	ENG 101	
MAT 131	WLD elec	

FALL	*SPRING*
4th Semester	*5th Semester*
AFD 112	AFD 119
AFD 117	AFD 231
AFD 232	AFD 272
COM 103 *or* COM 120 *or* ENG 102	AFD 273
	AFD 295
Soc/Beh Sci *or* Hum/FA elec	Soc/Beh Sci *or* Hum/FA elec

Building Construction and Repair

Program Code: E.BCR.CER

Certificate
Minimum graduation requirement — 31 semester hours

The Building Construction and Repair Certificate Program is designed to equip graduates with hands-on construction skills in two primary areas: new home construction and repair or remodeling of existing buildings.

Program Note*
Meet with counselor or program director to determine appropriate math class.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIT 114	CIT 111
CIT 115	CIT 116
CIT 130	CIT 135
MAT 131 *or* MAT 134	ENG 101
Elective	Elective

Required Program Courses (18 hours)		**Cr. Hrs.**
CIT 111	Construction Materials	3
CIT 114	Plumbing	3
CIT 115	Rough Carpentry	3
CIT 116	Interior Carpentry	3
CIT 130	Construction Plan Fundamentals	3
CIT 135	Construction Practices and Sustainability	3

Electives (6 hours)
Choose at least 6 hours from the following:

CAD 124	Introduction to AutoCAD	3
CIT 113	Basic Surveying	3
ELT 131	Residential Wiring	3
HVC 113	Residential HVAC Installation	3

Required General Education Core Courses (7 hours)		
ENG 101	Composition I	3
MAT 131 *or* MAT 134*	Applied Mathematics Technical Mathematics I	4
Total Semester Credit Hours		*31*

Computer-Aided Drafting (CAD): Mechanical Design

Program Code: E.CMD.CER

Certificate
Minimum graduation requirement — 33 semester hours

The Computer-Aided Drafting: Mechanical Design Program provides the student with an understanding of the machine design process and prepares the student for employment as a mechanical draft person working in a computer environment.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CAD 113	CAD 122
CAD 124	CAD 117
DRT 119	CAD 121
ELT 111	ENG 101
MAT 131 *or* MAT 134	Technical elec

Required Program Courses (26–27 hours)		**Cr. Hrs.**
CAD 113	Computer-Aided Machine Design I	4
CAD 117	Advanced AutoCAD—3D Topics	3
CAD 121	Materials for Industry	3
CAD 122	Computer-Aided Machine Design II	4
CAD 124	Introduction to AutoCAD (Computer-Aided Drafting)	3
DRT 119	Blueprint Reading and Technical Drawing	3
ELT 111	Computer Applications for Technicians	3
Technical elective	Choose one from ELT 150, MFT 113, MFT 121, MFT 122, or MFT 127.	3–4

Required General Education Core Courses (7 hours)		
ENG 101	Composition I	3
MAT 131 *or* MAT 134	Applied Mathematics Technical Mathematics I	4
Total Semester Credit Hours		*33–34*

Computer-Aided Drafting (CAD): Structural and Civil

Program Code: E.CIV.CER

Certificate
Minimum graduation requirement — 31 semester hours

The Computer-Aided Drafting: Structural and Civil certificate prepares the student for employment as a drafting technician in the structural, electrical, plumbing, and heating systems of buildings or in civil construction. This includes drafting three-dimensional plans for subdivisions, roads, bridges, and surveying projects. CAD techniques in AutoCAD, Revit Architecture, Microstation, and Geopak are covered.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CAD 124	CAD 214
CAD 132	CAD 232
CIT 113	CIT 234
CIT 130	ELT 111
MAT 134	ENG 101
	EST 110

Required Program Courses (24–25 hours)		**Cr. Hrs.**
CAD 124	Introduction to AutoCAD (Computer-Aided Drafting)	3
CAD 132	Introduction to Microstation CAD	3
CAD 214	Introduction to Revit Architecture	3
CAD 232	Advanced Microstation CAD	3
CIT 113	Basic Surveying	3
CIT 130	Construction Plan Fundamentals	3
CIT 234	Design Surveying	3
ELT 111	Computer Applications for Technicians	2
EST 110	Engineering Science and Technology — CAD Work Experience	1–2

Required General Education Core Courses (7 hours)		
ENG 101	Composition I	3
MAT 134	Technical Mathematics I	4
Total Semester Credit Hours		*31–32*

Construction: Bricklayer

Program Code: E.BLA.CER

Certificate
Minimum graduation requirement — 35 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (32 hours)		**Cr. Hrs.**
BLA 111	Construction Bricklayer Apprentice I	4
BLA 112	Construction Bricklayer Apprentice II	4
BLA 113	Construction Bricklayer Apprentice III	4
BLA 114	Construction Bricklayer Apprentice IV	4
BLA 211	Construction Bricklayer Apprentice V	4
BLA 212	Construction Bricklayer Apprentice VI	4
BLA 213	Construction Bricklayer Apprentice VII	4
BLA 214	Construction Bricklayer Apprentice VIII	4

Other Required Course (3 hours)		
HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*35*

Construction: Carpentry

Program Code: E.CCA.CER

Certificate
Minimum graduation requirement — 43 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Program Note*
Students must have a current First Aid and CPR card before enrolling in CCA 113.

Required Program Courses (40 hours)		Cr. Hrs.
CCA 111	Orientation to Carpentry	6
CCA 112	Occupational Safety and Health	1
CCA 113*	Scaffolding	2
CCA 114	Concrete I	2
CCA 115	Interior Systems I	3
CCA 116	Interior Systems II	2
CCA 117	Residential Framing	3
CCA 118	Interior Trim	2
CCA 119	Exterior Trim	3
CCA 212	Stairs	2
CCA 213	Roof Framing	3
CCA 214	Concrete II	3
CCA 215	Interior Systems III	2
CCA 218	Concrete III	2
WLD 111	Introduction to Welding	4

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*43*

Construction: Concrete Specialist

Program Code: E.LBC.CER

Certificate
Minimum graduation requirement — 10 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Program Note
Students seeking admission to the Concrete Specialist program must first earn the Construction: Laborer certificate (see p 130).

Required Program Courses (10 hours)		Cr. Hrs.
LBR 291	Fundamentals of Concrete Practices	2
LBR 292	Concrete Apprenticeship I	3
LBR 293	Forming, Placing and Finishing Concrete	3
LBR 294	Concrete Apprenticeship II	2
Total Semester Credit Hours		*10*

Construction: Electrical Inside Wireman

Program Code: E.EIW.CER

Certificate
Minimum graduation requirement — 52 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Inside wiremen are electrical workers who install the power, lighting, controls, and other electrical equipment in commercial and industrial buildings.

Program Note*
WLD 111 can be substituted for WLD 110 and WLD 112 combined.

Required Program Courses (49 hours)		**Cr. Hrs.**
ECJ 111	IBEW Electrical Construction Journeyman I	3
ECJ 117	IBEW Apprenticeship I	2
ECJ 112	IBEW Electrical Construction Journeyman II	4
ECJ 113	IBEW Electrical Construction Journeyman III	3
ECJ 118	IBEW Apprenticeship II	2
ECJ 114	IBEW Electrical Construction Journeyman IV	4
ECJ 115	IBEW Electrical Construction Journeyman V	3
ECJ 116	IBEW Electrical Construction Journeyman VI	4
ECJ 119	IBEW Apprenticeship III	2
ECJ 211	IBEW Electrical Construction Journeyman VII	3
ECJ 215	IBEW Apprenticeship IV	2
ECJ 212	IBEW Electrical Construction Journeyman VIII	4
ECJ 213	IBEW Electrical Construction Journeyman IX	3
ECJ 216	IBEW Apprenticeship V	2
ECJ 214	IBEW Electrical Construction Journeyman X	4
WLD 110*	Beginning Gas and Arc Welding	2
WLD 112*	Gas Metal Arc Welding	2

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*52*

Construction: Electrical Residential Wiring Technician

Program Code: E.ERW.CER

Certificate
Minimum graduation requirement — 42 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Residential wiring technicians are electrical workers who specialize in installing all of the electrical systems in single and multi-family houses or dwellings up to four stories tall.

Required Program Courses (39 hours)		**Cr. Hrs.**
ECJ 111	IBEW Electrical Construction. Journeyman I	3
ECJ 112	IBEW Electrical Construction Journeyman II	4
ECJ 113	IBEW Electrical Construction Journeyman III	3
ECJ 114	IBEW Electrical Construction Journeyman IV	4
ERW 191	Residential Technician Applications I	2
ERW 192	Residential Technician Applications II	2
ERW 193	Residential Technician Applications III	2
ERW 231	Residential Wiring Practices	4
ERW 232	Residential Code	3
ERW 233	Residential Motors and Transformers	2
ERW 234	Telephone and Security Basics	2
ERW 235	Residential Fire Alarms and Security	2
ERW 236	Residential Advanced Technology	6

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*42*

Construction: Electrical Telecommunications Installer/Technician

Program Code: E.EIT.CER

Certificate
Minimum graduation requirement — 43 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Telecommunications installers are electrical workers who install circuits and equipment for telephones, computers, video distribution, security and access systems, and other low voltage systems.

Required Program Courses (40 hours)		Cr. Hrs.
ECJ 111	IBEW Electrical Construction. Journeyman I	3
ECJ 112	IBEW Electrical Construction Journeyman II	4
ECJ 113	IBEW Electrical Construction Journeyman III	3
ECJ 114	IBEW Electrical Construction Journeyman IV	4
EIT 194	Telecommunications Apprenticeship I	2
EIT 195	Telecommunications Apprenticeship II	2
EIT 196	Telecommunications Apprenticeship III	2
ECJ 236	Residential Advanced Technology	6
EIT 251	Installer/Technician Telephony	2
EIT 252	Paging Systems	2
EIT 253	Security and Fire Alarm Systems	1
EIT 254	Local Area Networks	2
EIT 255	Installer Code and Grounding	2
EIT 256	Semiconductors	2
EIT 257	Advanced Telecommunications Technology	3

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*43*

Construction: Floor Coverer

Program Code: E.FLR.CER

Certificate
Minimum graduation requirement — 43 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office..

Program Note*
Students must have a current First Aid and CPR card before enrolling in FLR 113.

Required Program Courses (40 hours)		Cr. Hrs.
CCA 111	Orientation to Carpentry	6
CCA 112	Occupational Health and Safety	1
FLR 113*	Carpet Basics	2
FLR 114	Floor Preparation	5
FLR 115	Carpet Layout and Installation	5
FLR 116	Supplemental Skills for Carpet Installation	2
FLR 117	Resilient Basic Knowledge	1
FLR 211	Resilient Floor Preparation	2
FLR 212	Resilient Installation I	3
FLR 213	Resilient Installation II	3
FLR 214	Resilient Supplemental Skills	2
FLR 215	Hardwood Floors	5
FLR 216	Hardwood Floors Supplemental Skills	3

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*43*

Construction: Glazier

Program Code: E.GLZ.CER

Certificate
Minimum graduation requirement — 27 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (24 hours)		Cr. Hrs.
GLZ 111	Glaziers Apprentice I	4
GLZ 112	Glaziers Apprentice II	4
GLZ 113	Glaziers Apprentice III	4
GLZ 211	Glaziers Apprentice IV	4
GLZ 212	Glaziers Apprentice V	4
GLZ 213	Glaziers Apprentice VI	4

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*27*

Construction: Ironworker

Program Code: E.IRW.CER

Certificate
Minimum graduation requirement — 43 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (31 hours)		Cr. Hrs.
IRW 111	Orientation to Ironworking	2
IRW 112	Occupational Safety and Health	1
IRW 113	Structural Blueprint Reading	4
IRW 114	Structural Steel Erection	6
IRW 115	Post Tensioning	4
IRW 116	Reinforcing Blueprint Reading	4
IRW 117	Rigging	4
IRW 118	Ornamental Ironworking	4
IRW 119	Pre-Engineered Buildings	2

Other Required Courses (12 hours)

HIS 145	History of the Labor Movement	3
WLD 110	Beginning Gas and Arc Welding	2
WLD 114	Fabrication Welding	3
WLD 215	Weldability Inspection/Composition of Welds	4
Total Semester Credit Hours		*43*

Construction: Laborer

Program Code: E.LBR.CER

Certificate
Minimum graduation requirement — 42 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (39 hours)		Cr. Hrs.
LBR 111	Orientation to Laborers Craft	2
LBR 112	Occupational Safety and Health	1
LBR 113	Mason Tending	3
LBR 114	Concrete Practices and Procedures	3
LBR 115	Asphalt Technology and Construction	3
LBR 116	Apprenticeship I	3
LBR 131	Principles of Pipelaying	3
LBR 133	Asbestos Abatement	3
LBR 136	Apprenticeship II	3
LBR 139	Highway Construction Plan Reading	3
LBR 150	Basic Construction Surveying	2
LBR 152	Bridges	3
LBR 153	Hazardous Waste	4
LBR 156	Apprenticeship III	3

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*42*

Construction: Millwright

Program Code: E.MLL.CER

Certificate
Minimum graduation requirement — 44 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Program Note*
Students must have a current First Aid and CPR card before enrolling in MLL 113.

Required Program Courses (41 hours)		Cr. Hrs.
CCA 111	Orientation to Carpentry	6
CCA 112	Occupational Safety and Health	1
MLL 113*	General Background for Millwrights	5
MLL 114	Machine Components	3
MLL 116	Machine Installation I	2
MLL 117	Machinery Alignment I	2
MLL 118	Machine Installation II	2
MLL 119	Machinery Alignment II	2
MLL 211	Valves	1.5
MLL 212	Turbines	2
MLL 216	Monorails and Conveyor Systems	2
MLL 291	Confined Space	1
MLL 292	Forklift Operation	1
MLL 293	Scaffold User	0.5
MLL 294	Rigging	1
MLL 295	Aerial Lift	1
WLD 111	Introduction to Welding	4
WLD 112	Gas Metal Arc Welding	2
WLD 113	Gas Tungsten Arc Welding	2

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*44*

Construction: Painting and Decorating

Program Code: E.PDA.CER

Certificate
Minimum graduation requirement — 35 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (32 hours)		Cr. Hrs.
PDA 111	Painting and Decorating Apprentice I	4
PDA 112	Painting and Decorating Apprentice II	4
PDA 113	Painting and Decorating Apprentice III	4
PDA 114	Painting and Decorating Apprentice IV	4
PDA 211	Painting and Decorating Apprentice V	4
PDA 212	Painting and Decorating Apprentice VI	4
PDA 213	Painting and Decorating Apprentice VII	4
PDA 214	Painting and Decorating Apprentice VIII	4

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*35*

Construction: Plumbing and Pipefitting

Program Code: E.PFT.CER

Certificate
Minimum graduation requirement — 43 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Program Note*
Students must have a current First Aid and CPR card before enrolling in PFT 113.

Required Program Courses		Plumbers	Pipefitters
PFT 111	Orientation to Plumbing and Pipefitting	3	3
PFT 112	Occupational Safety and Health	1	1
PFT 113*	Pipes, Valves, and Fittings	3	3
PFT 114	Science , Rigging, and Hoisting	3	3
PFT 116	Drawing Interpretation	3	3
PFT 117	Basic Pipefitting and Welding	3	3
PFT 118	Drainage	3	
PFT 211	Gas and Water Plumbing	3	
PFT 212	Advanced Drawing, Prints, and Specifications	3	3
PFT 213	Fundamentals of Refrigeration and Air Conditioning Systems		3
PFT 214	Steam Systems and Basic Refrigeration	3	3
PFT 215	Pneumatic Controls and Hydronics		3
PFT 216	Welding	3	3
PFT 217	Basic Electricity and Refrigeration Controls		3
PFT 218	Pneumatic Controls		3
PFT 219	Plumbing Fixtures and Appliances	3	
PFT 231	Uniform Plumbing Code	3	
PFT 232	Plumbers Service Work, Application, and Supervision	3	
PFT 233	Application and Customer Relations		3

Other Required Courses (3 hours)

HIS 145	History of the Labor Movement	3	3
Total Semester Credit Hours		*43*	*43*

Construction: Sheet Metal

Program Code: E.SMA.CER

Certificate
Minimum graduation requirement — 43 semester hours

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (40 hours)		Cr. Hrs.
SMA 111	Sheet Metal Apprentice I	5
SMA 112	Sheet Metal Apprentice II	5
SMA 113	Sheet Metal Apprentice III	5
SMA 114	Sheet Metal Apprentice IV	5
SMA 211	Sheet Metal Apprentice V	5
SMA 212	Sheet Metal Apprentice VI	5
SMA 213	Sheet Metal Apprentice VII	5
SMA 214	Sheet Metal Apprentice VIII	5

Other Required Course (3 hours)

HIS 145	History of the Labor Movement	3
Total Semester Credit Hours		*43*

Construction: Trade Technology

Program Code: E.CTT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Construction Trade Technology Programs prepare students to enter their field of choice as journeymen. The programs follow those designed by the trades for their apprentices. Completion of this degree will prepare students to enter management positions.

Entry into this program is restricted to those who have been accepted into the union apprenticeship school. Students seeking admission must meet the requirements of the Bureau of Apprenticeship Training, U.S. Department of Labor, and Parkland College. For further information concerning apprenticeship training, contact the union apprenticeship office.

Required Program Courses (27–52 hours)	Cr. Hrs.
Completion of one of the following construction certificates:	
Bricklayer EBLA	35
Carpentry ECRE	43
Electrical Inside Wireman EEIW	52
Electrical Residential Wiring Technician EERW	42
Electrical Telecommunications Installer/Technician EEIT	43
Floor Coverer	43
Glazier EGLZ27	
Ironworker EIRW	43
Laborer ELBR	42
Millwright EMLL	44
Painting and Decorating EPDA	35
Plumbing and Pipefitting EPFT	43
Sheet Metal ESMA	43

Other Required Course (3 hours)

LBR 250	Labor Management Development	3

Required General Education Courses (15 hours)

ENG 101	Composition I	3
ENG 102	Composition II	
or COM 103	Introduction to Public Speaking	3
MAT 131	Applied Mathematics	3
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6

Technical Trade Electives
(Choose 0–15 hours from the following.)

Computer-Aided Drafting courses (CAD)
Construction Design and Management courses (CIT)
Electronics and Electrical Power courses (ELT)
Welding courses (WLD)

LBR 251	Special Project I	3
LBR 252	Special Project II	3
LBR 253	Special Project III	3
LBR 271	Trade Apprenticeship I	3
LBR 272	Trade Apprenticeship II	3
LBR 273	Trade Apprenticeship III	3
Total Semester Credit Hours		*60*

Construction Design and Management

Program Code: E.CDM.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The Construction Design and Management Program prepares students to enter the construction industry in technical, managerial, and supervisory roles in three major areas: residential and light commercial building construction, heavy commercial building construction, and civil construction (roads, bridges, utilities). Entry-level employment is generally in the areas of project management, field inspection, material testing, cost estimating, computer-aided drafting, and surveying.

Program Notes*

- Students may substitute a technical elective for CIT 230 and another surveying course for CIT 211 with approval of program director or department chair.
- Students should meet with a counselor or the program director to determine appropriate math classes.
- Students transferring to a four-year institution should plan their programs with the program director.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	CIT 230
CAD 124	CAD 214	Soc/Beh Sci *or* Hum/FA elec
CIT 113	CIT 111	
CIT 115	CIT 135	
CIT 130	ELT 111	
MAT 134 *or* MAT 124	ENG 101	
	MAT 135 *or* MAT 125 *or* MAT 110	

FALL	*SPRING*
3rd Semester	*4th Semester*
CAD 132	CAD 232
CIT 211	CIT 215
CIT 212	CIT 216
CIT 213	CIT 236
Soc/Beh Sci, *or* Hum/FA elec	ENG 102 *or* COM 103

Required Program Courses (49 hours) **Cr. Hrs.**

CAD 124	Introduction to AutoCAD	3
CAD 132	Introduction to Microstation CAD	3
CAD 214	Introduction to Revit Architecture	3
CAD 232	Advanced Microstation CAD	3
CIT 111	Construction Materials	3
CIT 113	Basic Surveying	3
CIT 115	Rough Carpentry	3
CIT 130	Construction Plan Fundamentals	3
CIT 135	Construction Practices and Sustainability	3
CIT 211*	Construction Surveying	3
CIT 212	Commercial Facility Systems	3
CIT 213	Soil Mechanics	3
CIT 215	Construction Cost Estimating	4
CIT 216	Construction Contract Administration	3
CIT 230*	Construction Field Experience	1
CIT 236	Site Development	3
ELT 111	Computer Applications for Technicians	2

Required General Education Core Courses (19 hours)

ENG 101	Composition I	3
ENG 102 *or* COM 103	Composition II Introduction to Public Speaking	3
MAT 134* *or* MAT 124*	Technical Mathematics I College Algebra	4
MAT 110* *or* MAT 135* *or* MAT 125*	Business Mathematics Technical Mathematics II College Trigonometry	3
Social/Behavioral Sciences, Humanities/Fine Arts electives		6
Total Semester Credit Hours		*68*

Construction Design and Management: Interrupted Sequence

Program Code: E.CDM.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The following work-study sequence for the Construction Design and Management Program was designed to enable students to alternate work experience and class studies. Other schedules may be used when jointly developed with employers.

Program Notes*

- Students may substitute another surveying course for CIT 211 with approval of program director or department chair.
- Students must complete a minimum of 12 credit hours of curriculum including CIT 111 and CIT 113, and maintain a minimum 2.0 GPA prior to beginning supervised work experience.
- Students may take 4 credit hours in CIT 230, 3 credit hours of which may be substituted for a core technical course to be agreed upon by the student, the employer, and the program director.
- Students should meet with a counselor or the program director to determine appropriate math classes.
- Students transferring to a four-year institution should plan their programs with the program director.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	Supervised Work Experience
CAD 124	CAD 214	
CIT 113	CIT 111	
CIT 115	CIT 135	
CIT 130	ELT 111	
MAT 134 *or* MAT 124	ENG 101	
	MAT 135 *or* MAT 125 *or* MAT 110	

FALL	*SPRING*	*SUMMER*
3rd Semester	*4th Semester*	Supervised Work Experience
Supervised Work Experience	Supervised Work Experience	CIT 230
		Soc/Beh Sci *or* Hum/FA elec

FALL	*SPRING*
5th Semester	*6th Semester*
CAD 132	*CAD 232*
CIT 211	CIT 215
CIT 212	CIT 216
CIT 213	CIT 236
CIT 218	ENG 102 *or* COM 103
Soc/Beh Sci *or* Hum/FA elec	

Required Program Courses (49 hours) **Cr. Hrs.**

CAD 124	Introduction to AutoCAD	3
CAD 132	Introduction to Microstation CAD	3
CAD 214	Introduction to Revit Architecture	3
CAD 232	Advanced Microstation CAD	3
CIT 111	Construction Materials	3
CIT 113	Basic Surveying	3
CIT 115	Rough Carpentry	3
CIT 130	Construction Plan Fundamentals	3
CIT 135	Construction Practices and Sustainability	3
CIT 211*	Construction Surveying	3
CIT 212	Commercial Facility Systems	3
CIT 213	Soil Mechanics	3
CIT 215	Construction Cost Estimating	4
CIT 216	Construction Contract Administration	3
CIT 230	Construction Field Experience	1
CIT 236	Site Development	3
ELT 111	Computer Applications for Technicians	2

Required General Education Core Courses (19 hours)

ENG 101	Composition I	3
ENG 102	Composition II	
or COM 103	Introduction to Public Speaking	3
MAT 134*	Technical Mathematics I	
or MAT 124*	College Algebra	4
MAT 110*	Business Mathematics	
or MAT 135*	Technical Mathematics II	
or MAT 125*	College Trigonometry	3
Social/Behavioral Sciences, Humanities/Fine Arts electives		6
Total Semester Credit Hours		*68*

Construction Design and Management: Contracting

Program Code: E.CDB.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

This program prepares the student to work in the residential/light commercial construction industry as a supervisor, cost estimator, or building materials salesperson. The student acquires a broad knowledge of business and construction practices in areas such as scheduling, estimating, plan reading, and specification interpretation.

Program Notes*

- Students may substitute a technical elective for CIT 230 with approval of program director or department chair.
- Students should meet with a counselor or the program director to determine appropriate math classes.
- Students transferring to a four-year institution should plan their programs with the program director.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
CAD 124	CIT 111	CIT 230
CIT 113	CIT 135	
CIT 115	ELT 111	
CIT 130	ENG 101	
MAT 134 *or* MAT 124	MAT 135 *or* MAT 125 *or* MAT 110	
	Core elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
ENG 102 *or* COM 103	CIT 215
Core elec	CIT 216
Core elec	Bus/IT elecs
Bus/IT elec	Soc/Beh Sci *or* Hum/FA elec
Soc/Beh Sci *or* Hum/FA elec	

Required Program Courses (28 hours) **Cr. Hrs.**

CAD 124	Introduction to AutoCAD	3
CIT 111	Construction Materials	3
CIT 113	Basic Surveying	3
CIT 115	Rough Carpentry	3
CIT 130	Construction Plan Fundamentals	3
CIT 135	Construction Practices and Sustainability	3
CIT 215	Construction Cost Estimating	4
CIT 216	Construction Contract Administration	3
CIT 230*	Construction Field Experience	1
ELT 111	Computer Applications for Technicians	2

Elective Core Courses (choose at least 9 hours)

ELT 131	Residential Wiring	3
CIT 114	Plumbing	3
CIT 116	Interior Carpentry	3
CAD 214	Introduction to Revit Architecture	3
CIT 212	Commercial Facility Systems	3

Elective Business/IT-Related Courses (choose at least 9 hours)

ACC 101	Financial Accounting	4
BUS 101	Introduction to Business	3
CIS 134	Spreadsheet Applications	3
MGT 101	Principles of Management	3
MGT 112	Human Resource Management	3
MGT 113	Human Relations in the Workplace	3
MKT 101	Introduction to Marketing	3

Required General Education Core Courses (19 hours)

ENG 101	Composition I	3
ENG 102 *or* COM 103	Composition II Introduction to Public Speaking	3
MAT 134* *or* MAT 124*	Technical Mathematics I College Algebra	4
MAT 110* *or* MAT 135* *or* MAT 125*	Business Mathematics Technical Mathematics II College Trigonometry	3
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*65*

Construction Design and Management: Land Surveying

Program Code: E.CDS.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Construction Design and Management: Land Surveying program prepares the student either for employment as a surveying technician or for transfer to a four-year degree program to become an Illinois professional land surveyor.

See Professional Licensing Notes** for education requirements for becoming a professional land surveyor. See program director to discuss four-year degree options.

Surveying technicians and professional land surveyors work in the fields of engineering, construction, land development, aerial photography, geographic information systems, agriculture, natural resource management, and government. Course work focuses on knowledge and hands-on skills needed for entry level employment and for professional licensing.

All of the surveying courses offered in this program have been accepted by the Illinois Land Surveyors Licensing Board as meeting the requirements of the 24 credit hours required by the Illinois Professional Land Surveyor Act of 1989 and the Illinois Administrative Code as amended.

Program Note*

- Students may substitute a technical elective for CIT 233 with approval of program director or department chair.
- Students should meet with a counselor or the program director to determine appropriate math classes.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
CAD 124	CIT 234	CIT 233
CIT 113	CIT 235	
CIT 130	ENG 101	
ELT 111	MAT 135 *or* MAT 125	
MAT 134 *or* MAT 124	Soc/Beh Sci *or* Hum/FA elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
CAD 132	CAD 232
CIT 132	CIT 236
CIT 211	CIT 253
ENG 102 *or* COM 103	CIT 254
	KIN 183
GIS 110	Soc/Beh Sci, Hum/FA elec

Required Program Courses (46 hours) **Cr. Hrs.**

CAD 124	Introducton to AutoCAD	3
CAD 132	Introduction to Microstation CAD	3
CAD 232	Advanced Microstation CAD	3
CIT 113	Basic Surveying	3
CIT 130	Construction Plan Fundamentals	3
CIT 132	Surveying Computations	4
CIT 211	Construction Surveying	3
CIT 233*	Surveying Field Experience	2
CIT 234	Design Surveying	3
CIT 235	Control Surveying	3
CIT 236	Site Development	3
CIT 253	Legal Aspects of Surveying	3
CIT 254	Land Surveying	3
ELT 111	Computer Applications for Technicians	2
GIS 110	Principles of Geographic Information Systems	3
KIN 183	First Aid and CPR	2

Required General Education Core Courses (19 hours)

ENG 101	Composition I	3
ENG 102 *or* COM 103	Composition II Introduction to Public Speaking	3
MAT 134* *or* MAT 124*	Technical Mathematics I College Algebra	4
MAT 135* *or* MAT 125*	Technical Mathematics II College Trigonometry	3
Social/Behavioral Sciences, Humanities/Fine Arts, electives		6
Total Semester Credit Hours		*65*

Professional Licensing Notes **

Per the Illinois Professional Land Surveyor Act of 1989 (225 ILCS 330/12), to qualify for admission to the Illinois Surveyor-In-Training (NCEES: Fundamentals of Land Surveying) examination, the candidate must have "a baccalaureate degree in a related science if he or she does not have a baccalaureate degree in land surveying from an accredited college or university."

Per Title 68, Section 1270.15 of the Illinois Administrative Code, "a baccalaureate degree in a Related Science is a baccalaureate degree from an accredited college or university that includes core courses in at least the following subjects, or their equivalents, for the minimum semester hours shown. The following subjects all may be completed prior to, concurrent with, or subsequent to receiving the baccalaureate degree.

a) Mathematics (College Algebra and beyond) – 15 semester hours

b) Basic Sciences (Physics and/or Chemistry) – 8 semester hours

c) Additional Basic Sciences (including, but not limited to: Geology, Geography, Dendrology, Astronomy, Biology, Soil Mechanics, and engineering sciences) – 20 semester hours

d) Land Surveying courses (including, but not limited to: fundamentals of land surveying, boundary surveying, route surveying, topographic surveying, descriptions, legal aspects, subdivision design, data computations and adjustments, map projections and geometric geodesy and photogrammetry) – 24 semester hours

Construction Design and Management: Land Surveying

Program Code: E.CLS.CER

Certificate
Minimum graduation requirement — 30–31 semester hours

The Construction Design and Management: Land Surveying certificate program provides approved surveying courses for the student who plans to become a professional land surveyor and who has or will have satisfied all other educational requirements for licensure prior to applying for admission to the Illinois Surveyor-In-Training (NCEES: Fundamentals of Land Surveying) examination.

See Professional Licensing Notes** for education requirements for becoming a professional land surveyor.

All of the surveying courses offered in this program have been accepted by the Illinois Land Surveyors Licensing Board as meeting the requirements of the 24 credit hours required by the Illinois Professional Land Surveyor Act of 1989 and the Illinois Administrative Code as amended.

Program Note
Meet with program director as soon as possible to review educational requirements for professional licensing and to develop an appropriate academic plan.

Suggested Part-time Sequence

SPRING	*SUMMER*	*FALL*	*SPRING*
CIT 255 *or*	CIT 233	CIT 132	CIT 234
CIT 113		CIT 211	CIT 235
MAT elective		GIS 110	CIT 253
			CIT 254

Required Program Courses (27–28 hours) **Cr. Hrs.**

CIT 113	Basic Surveying	
or CIT 255	Engineering Surveying	3–4
CIT 130	Construction Plan Fundamentals	3
CIT 132	Surveying Computations	4
CIT 211	Construction Surveying	3
CIT 233	Surveying Field Experience	2
CIT 234	Design Surveying	3
CIT 235	Control Surveying	3
CIT 253	Legal Aspects of Surveying	3
CIT 254	Land Surveying	3
GIS 110	Principles of Geographic Information Systems	3

Required General Education Core Courses (3 hours)

MAT elective (MAT 125, 135, or higher or equivalent)	3
Total Semester Credit Hours	*30–31*

Professional Licensing Notes **

Per the Illinois Professional Land Surveyor Act of 1989 (225 ILCS 330/12), to qualify for admission to the Illinois Surveyor-In-Training (NCEES: Fundamentals of Land Surveying) examination, the candidate must have "a baccalaureate degree in a related science if he or she does not have a baccalaureate degree in land surveying from an accredited college or university."

Per Title 68, Section 1270.15 of the Illinois Administrative Code, "a baccalaureate degree in a Related Science is a baccalaureate degree from an accredited college or university that includes core courses in at least the following subjects, or their equivalents, for the minimum semester hours shown. The following subjects all may be completed prior to, concurrent with, or subsequent to receiving the baccalaureate degree.

a) Mathematics (College Algebra and beyond) – 15 semester hours

b) Basic Sciences (Physics and/or Chemistry) – 8 semester hours

c) Additional Basic Sciences (including, but not limited to: Geology, Geography, Dendrology, Astronomy, Biology, Soil Mechanics, and engineering sciences) – 20 semester hours

d) Land Surveying courses (including, but not limited to: fundamentals of land surveying, boundary surveying, route surveying, topographic surveying, descriptions, legal aspects, subdivision design, data computations and adjustments, map projections and geometric geodesy and photogrammetry) – 24 semester hours

Construction Design and Management: Mapping Technician

Program Code: E.CDG.CER

Certificate

Minimum graduation requirement — 30 semester hours

The Construction Design and Management: Mapping Technician certificate is a specialized program that builds upon the Geographic Information Systems (GIS) certificate (See Business and Agri-Industries, p. 88). This certificate will further prepare the GIS student for employment as a mapping technician in the engineering and surveying industries. Hands-on training in plan reading, computer-aided drafting, surveying methods, electronic data collection, survey computations, GPS, and property boundary law will supplement the student's GIS skill set.

Program Note*

CIT 113 must be taken as the elective course in the Geographic Information Systems certificate program.

Suggested Part-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CAD 124 *or* CAD 132	CIT 234
CIT 130	CIT 253
MAT 134 *or* MAT 124	

Required Program Courses (14 hours)		**Cr. Hrs.**
GIS 110	Principles of Geographic Information Systems	3
GIS 111	Applied Geographic Information Systems	3
GIS 112	Global Positioning Systems	1
GIS 115	Advanced Geographic Information Systems	3
GIS 116	Geographic Information Systems Seminar	1
CIT 113*	Basic Surveying	3

Required Specialization Courses (16 hours)

CAD 124 *or* CAD 132	Introduction to AutoCAD Introduction to Microstation CAD	3
CIT 130	Construction Plan Fundamentals	3
CIT 234	Design Surveying	3
CIT 253	Legal Aspects of Surveying	3
MAT 134 *or* MAT 124	Technical Mathematics I College Algebra	4
Total Semester Credit Hours		*30*

Construction Design and Management: Surveying Instrument Operator

Program Code: E.CDS.CER

Certificate

Minimum graduation requirement — 19 semester hours

The Construction Design and Management: Surveying Instrument Operator Program prepares graduates for entry-level work on survey crews performing construction layout, pre-design mapping, and boundary surveys.

Suggested Part-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIT 113	CAD 124 or CAD 132
CIT 132	CIT 234
MAT 134 or MAT 124	KIN 183

Required Program Courses (19 hours)		**Cr. Hrs.**
CAD 124 *or* CAD 132	Introduction to AutoCAD Introduction to Microstation CAD	3
CIT 113	Basic Surveying	3
CIT 132	Surveying Computations	4
CIT 234	Design Surveying	3
KIN 183	First Aid and CPR	2
MAT 134 *or* MAT 124	Technical Mathematics I College Algebra	4
Total Semester Credit Hours		*19*

Diesel Power Equipment Technology

Program Code: E.PET.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 70 semester hours

Prepares students to maintain and repair machinery and equipment used in the agriculture, construction, and motor trucking industries.

Program Notes

- Before enrolling in program-specific courses, students must be accepted into the program.
- A tool set is required for all technical program courses.
- Some courses may need to be taken during the summer.
- Must have valid driver's license.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
DPE 130	DPE 230	DPE 215
DPE 151	DPE 234	
DPE 251	DPE 239	
MAT 131	DPE 253	
COM 103 or COM 120	ELT 111	
	WLD 111	

FALL	*SPRING*
3rd Semester	*4th Semester*
DPE 110	DPE 217
DPE 135	DPE 235
DPE 236	DPE 254
AGB 214 or MFT 121	DPE 259
ENG 101	Soc/Beh Sci *or* Hum/FA elec
Soc/Beh Sci *or* Hum/FA elec	

Required Program Courses (55 hours) **Cr. Hrs.**

AGB 214 *or* MFT 121	Precision Farm Technology Basic Machine Processes	3
DPE 110	Agricultural and Heavy Equipment Power Trains	4
DPE 130	Introduction to Diesel Electrical	4
DPE 135	Introduction to Mobile Hydraulics	3
DPE 151	Diesel Fuel Systems	3
DPE 215	Diesel Work Experience I	2
DPE 217	Diesel Work Experience II	2
DPE 230	Electronic Systems and Accessories	3
DPE 234	Vehicular Air Conditioning	3
DPE 235	Advanced Hydraulics	2
DPE 236	Equipment Adjustment and Repair	4
DPE 239	Truck Suspension, Steering, and Brakes	3
DPE 251	Diesel Engine Overhaul	4
DPE 253	Advanced Diesel Fuel Systems	3
DPE 254	Advanced Power Trains	3
DPE 259	Service Department Implementation	3
ELT 111	Computer Applications for Technicians	2
WLD 111	Introduction to Welding	4

Required General Education Core Courses (15–16 hours)

ENG 101	Composition I	3
MAT 131 or MAT 134	Applied Mathematics Technical Mathematics I	3–4
COM 103 or COM 120	Introduction to Public Speaking Interpersonal Communications	3
Social/Behavioral Sciences or Humanities/Fine Arts electives		6
Total Semester Credit Hours		*70–71*

Other Recommended Courses

CNH 153	Service Department Operations	1
EST 114	Career and Technical Work Ethics	1

Case New Holland Service Technician

Program Code: E.CNH.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 67 semester hours

This program prepares students to maintain and repair equipment used in a Case New Holland agriculture or construction dealership.

Program Notes

- Before enrolling in program-specific courses, students must be accepted into the program.
- Must have a valid driver's license.
- Must have sponsoring dealership.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
CNH 112	CNH 214	CNH 119
CNH 114	CNH 216	
CNH 131	CNH 231	
CNH 153	WLD 111	
MAT 131	ELT 111	
EST 114		
SOC/Beh Sci or HUM/FA elective		

FALL	*SPRING*
3rd Semester	*4th Semester*
CNH 155	CNH 219
CNH 171	CNH 255
CNH 256	CNH 271
CNH 132	CNH 291
ENG 101	COM 103 *or* 120
SOC/Beh Sci or HUM/FA elective	

Required Program Courses (52 hours)		**Cr. Hrs.**
CNH 112	CNH Engine Theory and Overhaul	4
CNH 114	Introduction to Fuel Systems	3
CNH 119	CNH Dealer Work Experience I	1
CNH 131	Introduction to CNH Machine Electrical	4
CNH 132	CNH Precision Farming Systems	2
CNH 153	Service Department Operations	1
CNH 155	Introduction to CNH Hydraulic Systems	3
CNH 171	Introduction to CNH Powertrains	4
CNH 214	Advanced Diesel Fuel Systems	3
CNH 216	CNH Ag and CE Air Conditioning	3
CNH 219	CNH Dealer Work Experience II	1
CNH 231	Advanced CNH Machine Electrical	3
CNH 255	Advanced CNH Hydraulic Systems	3
CNH 256	CNH Ag and CE Equipment Functions	4
CNH 271	Advanced CNH Powertrains	3
CNH 291	CNH Service Department Implementation	3
ELT 111	Computer Applications for Technicians	2
WLD 111	Introduction to Welding	4
EST 114	Career and Technical Work Ethics	1

Required General Education Core Courses (15 hours)		
ENG 101	Composition I	3
MAT 131	Applied Mathematics	3
COM 103 *or* COM 120	Introduction to Public Speaking Interpersonal Communication	3
Social/Behavioral Sciences or Humanities/Fine Arts electives		6
Total Semester Credit Hours		*67*

Electronic Control Systems Technology

Program Code: E.ECS.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Electronic Control Systems Technology program prepares students for entry-level positions in the installation, service, and repair of electrical and electronic systems used in manufacturing, automation, and process control. Students can expect to find employment as installers, technicians, and electrical support workers.

Program Note*
Students interested in transferring to SIU using the Capstone option are encouraged to take MAT 124 instead of MAT 131.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
ELT 111	ELT 134	EST 113
ELT 131	ELT 155	
ELT 150	ELT 171	
ELT 179	MFT 117	
MFT 113	MAT 131 *or* MAT 124	

FALL	*SPRING*
3rd Semester	*4th Semester*
ELT 191	ELT 231
ELT 292	ELT 293
ELT 299	ELT 295
ENG 101	COM 103 *or* COM 120
Soc/Beh Sci *or* Hum/FA elec	Soc/Beh Sci *or* Hum/FA elec

Required Program Courses (45 hours) **Cr. Hrs.**

ELT 111	Computer Applications for Technicians	2
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
ELT 155	Digital Control Systems	3
ELT 171	Analog Control Systems	3
ELT 179	Industrial Control Devices	3
ELT 191	Security and Home Automation	3
ELT 231	Programmable Controllers	3
ELT 292	Process Control	3
ELT 293	Industrial Control Networks	3
ELT 295	Modicon Automation and Control	3
ELT 299	Robotics and Automation	3
EST 113	Work Experience and Ethics	1
MFT 113	Introduction to Hydraulics and Pneumatics	3
MFT 117	Pumps, Compressors, and Vacuum Systems	3

Required General Education Core Courses (15–16 hours)

ENG 101	Composition I	3
COM 103 *or* COM 120	Introduction to Public Speaking *or* Interpersonal Communication	3
MAT 131* *or* MAT 124	Applied Mathematics *or* College Algebra	3/4
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6
Total Semester Credit Hours		*60–61*

Electronics

ELECTRICAL CONTROLS

Program Code: E.ECS.CER

Certificate

Minimum graduation requirement — 30 semester hours

This program prepares students for entry-level positions in the installation, service, and repair of electrical and electronic systems used in manufacturing, automation, and process control. Students can expect to find employment as installers, technicians, and electrical support staff.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
ELT 111	ELT 134	ELT 292
ELT 131	ELT 231	
ELT 150	ELT 293	
ELT 179	MAT 131	
MFT 113	EST 113	

Required Program Courses (27 hours)		**Cr. Hrs.**
ELT 111	Computer Applications for Technicians	2
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
ELT 179	Industrial Control Devices	3
ELT 231	Programmable Controllers	3
ELT 292	Process Control	3
ELT 293	Industrial Control Networks	3
MFT 113	Introduction to Hydraulics and Pneumatics	3
EST 113	Work Experience and Ethics	1

Required General Education Core Courses (4 hours)		
MAT 131	Applied Mathematics	3
Total Semester Credit Hours		*30*

ELECTRICAL POWER

Program Code: E.ELP.CER

Certificate

Minimum graduation requirement — 31 semester hours

The electrical power certificate prepares students for entry-level positions in the installation, service, and repair of the electrical systems used in manufacturing and industrial control.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ELT 111	ELT 134
ELT 131	ELT 231
ELT 150	WLD 111
ELT 179	EST 113
MFT 113	MFT 117
	MAT 131

Required Program Courses (28 hours)		**Cr. Hrs.**
ELT 111	Computer Applications for Technicians	2
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
ELT 179	Industrial Control Devices	3
ELT 231	Programmable Controllers	3
WLD 111	Introduction to Welding	4
EST 113	Work Experience and Ethics	1
MFT 113	Introduction to Hydraulics and Pneumatics	3
MFT 117	Pumps, Compressors, and Vacuum Systems	3

Required General Education Core Courses (3 hours)		
MAT 131	Applied Mathematics	3
Total Semester Credit Hours		*31*

Heating, Ventilation, and Air Conditioning (HVAC)

Program Code: E.HAC.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The HVAC program prepares graduates for entry-level positions troubleshooting and repairing heating, ventilation, air conditioning, and refrigeration systems in residential and commercial facilities. The program prepares students to earn EPA refrigerant certification.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIT 130	CIT 114
ELT 150	ELT 131
HVC 111	ELT 134
HVC 113	HVC 112
MAT 131	HVC 114

FALL	SPRING
3rd Semester	*4th Semester*
ELT 111	EST 113
HVC 151	HVC 132
HVC 152	HVC 134
PHY 112	COM 103
ENG 101	Soc/Beh Sci or Hum/FA elec

Required Program Courses (45 hours)		**Cr. Hrs.**
CIT 114	Plumbing	3
CIT 130	Construction Plan Fundamentals	3
ELT 111	Computer Applications for Technicians	2
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
EST 113	Work Experience and Ethics	1
HVC 111	Basic Air Conditioning	3
HVC 112	Basic Heating	3
HVC 113	Residential HVAC Installation	3
HVC 114	Ductwork Fabrication	2
HVC 132	HVAC Pneumatic Controls	3
HVC 134	Commercial HVAC and Service	3
HVC 151	Basic Air Conditioning Service	4
HVC 152	Basic Heating Service	3
PHY 112	Applied Physics	3

Required General Education Core Courses (16 hours)		
COM 103	Introduction to Public Speaking	3
ENG 101	Composition I	3
MAT 131	Applied Mathematics	3
Soc/Beh Sci *or* Hum/FA electives		6
Total Semester Credit Hours		*60*

Heating, Ventilation, and Air Conditioning (HVAC) Installation Technician

Program Code: E.HVC.CER

Certificate
Minimum graduation requirement — 30 semester hours

The HVAC Installation Technician program prepares graduates for entry-level positions as installers of heating, ventilation, and air conditioning system equipment for residential and light commercial facilities. The program prepares the student to earn EPA refrigerant certification.

Suggested Full-time Sequence

Fall	*Spring*
1st Semester	*2nd Semester*
ELT 150	HVC 112
CIT 130	HVC 114
HVC 111	CIT 114
HVC 113	ELT 131
MAT 131	ELT 134
	EST 113

Required Program Courses (27 hours)		**Cr. Hrs.**
CIT 114	Plumbing	3
CIT 130	Construction Plan Fundamentals	3
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
EST 113	Work Experience and Ethics	1
HVC 111	Basic Air Conditioning	3
HVC 112	Basic Heating	3
HVC 113	Residential HVAC Installation	3
HVC 114	Ductwork Fabrication	2

Required General Education Core Courses (3 hours)		
MAT 131	Applied Mathematics	3
Total Semester Credit Hours		*30*

Heating, Ventilation, and Air Conditioning (HVAC) Service Technician I

Program Code: E.HAC.CER

Certificate
Minimum graduation requirement — 45 semester hours

The HVAC Service Technician I program prepares graduates for entry-level positions troubleshooting and repairing heating, ventilation, and air conditioning systems in residential and light commercial facilities. The program prepares the student to earn EPA refrigerant certification.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
ELT 150	ELT 131	HVC 151
CIT 130	ELT 134	HVC 152
HVC 111	HVC 112	PHY 112
HVC 113	HVC 114	ENG 101
MAT 131	CIT 114	ELT 111
		EST 113

Required Program Courses (39 hours)		**Cr. Hrs.**
CIT 114	Plumbing	3
CIT 130	Construction Plan Fundamentals	3
ELT 111	Computer Applications for Technicians	2
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
EST 113	Work Experience and Ethics	1
HVC 111	Basic Air Conditioning	3
HVC 112	Basic Heating	3
HVC 113	Residential HVAC Installation	3
HVC 114	Ductwork Fabrication	2
HVC 151	Basic Air Conditioning Service	4
HVC 152	Basic Heating Service	3
PHY 112	Applied Physics	3

Required General Education Core Courses (6 hours)		
MAT 131	Applied Mathematics	3
ENG 101	Composition I	3
Total Semester Credit Hours		*45*

Industrial Maintenance Technology

Program Code: E.IMT.CER

Certificate
Minimum graduation requirement — 37 semester hours

The Industrial Maintenance Technology Program prepares students to install and maintain the electromechanical, mechanical pneumatic, and hydraulic systems used in manufacturing and building facilities. The student acquires knowledge of electrical power and motors, control systems, pumps, compressors, pneumatics, hydraulics, and power transfer devices. Students can expect to find employment as installers, technicians, and service representatives in manufacturing, sales, and customer service.

Suggested Full-Time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
*DRT 119	ELT 150
ELT 111	MFT 113
MFT 110	*MFT 128
MAT 131 or MAT 134	WLD 111
FALL	*SPRING*
3rd Semester	*4th Semester*
ELT 179	ELT 134
MFT 210	MFT 117
MFT 212	

Required Program Courses (33 hours)		**Cr. Hrs.**
ELT 111	Computer Applications for Technicians	2
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
ELT 179	Industrial Controls	3
MFT 110	Mechanical Assemblies	3
MFT 113	Introduction to Hydraulics and Pneumatics	3
MFT 117	Pumps, Compressors, and Vacuum Systems	3
MFT 210	Industrial Safety	3
MFT 212	Industrial Maintenance Applications	3
WLD 111	Introduction to Welding	4
*DRT 119 *or* MFT 128	Blueprint Reading and Technical Drawing Quality Assurance	3

Required General Education Core Courses (4 hours)		
MAT 131 *or* MAT 134	Applied Mathematics Technical Mathematics I	4
Total Semester Credit Hours		*37*

Industrial Technology

Program Code: E.MFG.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 70 semester hours

The Industrial Technology program prepares high school students and community college students for careers in manufacturing. The program offers students opportunities to learn science, math, technology, and communications in real-life settings.

Program Notes*

- Prior to enrolling in MFT 151, students must complete a minimum of 12 hours of curriculum and MFT 131 or approval of the department chair or program director.
- Meet with a counselor/advisor or program director to determine appropriate math class.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	MFT 151
MFT 121	MFT 127	MFT 152
MFT 131	CAD 113	
CAD 124	CAD 121	
MAT 131 *or* MAT 134	ENG 101	
WLD 111	Soc/Beh Sci *or* Hum/FA elec	

FALL	*SPRING*
3rd Semester	*4th Semester*
MFT 110	MFT 113
MFT 210	MFT 128
ENG 102 *or* COM 103	ELT 150
or COM 200	Concentration course
Concentration course	Concentration course
Concentration course	Soc/Beh Sci *or* Hum/FA elec

Required Program Courses (28 hours) **Cr. Hrs.**

MFT 110	Mechanical Assemblies	3
MFT 113	Introduction to Hydraulics and Pneumatics	3
MFT 121	Basic Machine Processes	3
MFT 127	Introduction to CNC Programming — Turning and Milling	4
MFT 128	Quality Assurance	3
MFT 131	Introduction to Manufacturing	3
MFT 151*	Manufacturing Work Experience I *or* Technical elective*	3
MFT 152*	Manufacturing Work Experience II *or* Technical elective*	3
MFT 210	Industrial Safety	3

Other Required Courses (17 hours)

CAD 113	Computer-Aided Machine Design I	4
CAD 121	Materials for Industry	3
CAD 124	Introduction to AutoCAD	3
ELT 150	Introduction to Electricity and Electronics	3
WLD 111	Introduction to Welding	4

Required General Education Core Courses (16 hours)

ENG 101	Composition I	3
ENG 102	Composition II	
or COM 103	Introduction to Public Speaking	
or COM 200	Principles of Group Discussion	3
MAT 131	Applied Mathematics	
or MAT 134*	Technical Mathematics I	4
Social/Behavioral Sciences		
or Humanities/Fine Arts elective		6

Additional Technical Courses (9–11 hours) 11

The remaining 9–11 hours of required technical training should be chosen from one of the four included areas of concentration. Courses may be selected to reflect the needs of customized concentrations with the approval of department chair or program director.

Total Semester Credit Hours *70–72*

AREA OF CONCENTRATION
(Choose at least the indicated number of hours from one of the following programs.) **Cr. Hrs**

Machine Tools — CNC Programming (11 hours)

DRT 119	Blueprint Reading and Technical Drawing	3
MFT 122	Intermediate Machine Processes	3
MFT 125	Principles and Processes of Modern Manufacturing	3
MFT 138	Intermediate CNC Programming — Turning and Milling	4
MFT 211	Advanced Machining Processes and Inspection Practices	4
MFT 238	Advanced CNC Programming — Turning and Milling	4

Industrial Maintenance/Automation (9 hours)

ELT 111	Computer Applications for Technicians	3
ELT 131	Residential and Light Commercial Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 171	Analog Control Systems	3
ELT 179	Industrial Controls	3
ELT 231	Programmable Controllers	3
ELT 292	Process Control	3
MFT 117	Pumps, Compressors, and Vacuum Systems	3
MFT 212	Industrial Maintenance Applications	3

Computer-Aided Drafting (10 hours)

CAD 117	Advanced AutoCAD — 3-D Topics	3
CAD 122	Computer-Aided Machine Design II	4
DRT 119	Blueprint Reading and Technical Drawing	3

Welding (11 hours)

WLD 112	Gas Metal Arc Welding	2
WLD 113	Gas Tungsten Arc Welding	2
WLD 114	Fabrication Welding	3
WLD 212	Advanced Gas Metal Arc Welding	2
WLD 213	Advanced Gas Tungsten Arc Welding	2
WLD 215	Weldability Inspection/Composition of Welds	4
WLD 216	Welding Certification	4

Industrial Technology

Program Code: E.MAN.AS

Associate in Science (A.S.)
Minimum graduation requirement — 64 semester hours

The following curriculum emphasizes a course of study in core technical courses in the industrial technology, machining area. This program is designed for students interested in transferring to a four-year institution to pursue a baccalaureate degree in technology.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Program Note*
MAT 124 is a prerequisite for MAT 125 and MAT 160.

Suggested Full-Time Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
ENG 101	CAD 121	CAD 124	MFT 125
MAT 108 *or* MAT 160	ENG 102	PHY 121	MFT 127
MFT 121	MAT 125	COM 103	PHY 122 *or* CHE 101
Soc/Beh Sci elecs	MFT 128	Soc/Beh Sci elecs	Soc/Beh Sci elecs
Hum/FA elecs	Hum/FA elecs	Life Sci elec	Hum/FA elecs

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- ENG 101 Composition I 3
- ENG 102 Composition II 3
- COM 103 Introduction to Public Speaking 3

Social/Behavioral Sciences electives 9
Choose from two or more subject areas.
Humanities elective 3
Fine Arts elective 3
Humanities or Fine Arts elective 3
One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.
Life Sciences elective 4
MAT 108 Introduction to Applied Statistics
or MAT 160* Statistics 3–4
PHY 121 General Physics I 4

Required Program Courses (26 hours)

CAD 121 Materials for Industry 3
CAD 124 Introduction to AutoCAD (Computer-Aided Drafting) 3
MFT 121 Basic Machine Processes 3
MFT 125 Manufacturing Processes 3
MFT 127 Introduction to CNC Programming — Turning and Milling 4
MFT 128 Quality Assurance 3
MAT 125* College Trigonometry 3
PHY 122 General Physics II
or CHE 101 General Chemistry I 4–5

Total Semester Credit Hours *64*

Industrial Technology Certificates

COMPUTER-AIDED DRAFTING (CAD)

Program Code: E.CAD.CER
(pending state approval)

Certificate
Minimum graduation requirement — 17 semester hours

The Computer-Aided Drafting (CAD) Certificate prepares graduates for entry-level work as CAD technicians in industry.

Required Program Courses (17 hours)

CAD 113	Computer-Aided Machine Design I	4
CAD 117	Advanced AutoCAD — 3D Topics	3
CAD 122	Computer-Aided Machine Design II	4
CAD 124	Introduction to AutoCAD	3
DRT 119	Blueprint Reading and Technical Drawing	3
Total Semester Credit Hours		*17*

INDUSTRIAL MACHINING CERTIFICATE

Program Code: E.IMC.CER
(pending state approval)

Certificate
Minimum graduation requirement — 17 semester hours

The Industrial Machining Certificate prepares graduates for entry-level work in manual and/or CNC machining.

Required Program Courses (17 hours)

DRT 119	Blueprint Reading and Technical Drawing	3
MFT 121	Basic Machine Processes	3
MFT 122	Intermediate Machine Processes	3
MFT 127	Introduction to CNC Programming — Turning and Milling	4
MFT 138	Intermediate CNC Programming — Turning and Milling	4
Total Semester Credit Hours		*17*

INDUSTRIAL WELDING

Program Code: E.IWT.CER
(pending state approval)

Certificate
Minimum graduation requirement — 16 semester hours

The Industrial Welding Certificate prepares graduates for entry-level work as welders in industry. This program is designed to cover the necessary components for students to test for AWS D1-1 Certification upon completion.

Suggested Full-Time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
WLD 111	WLD 113
WLD 112	WLD 213
WLD 212	WLD 216

Required Program Courses (16 hours)

		Cr. Hrs.
WLD 111	Introduction to Welding	4
WLD 112	Gas Metal Arc Welding	2
WLD 113	Gas Tungsten Arc Welding	2
WLD 212	Advanced Gas Metal Arc Welding	2
WLD 213	Advanced Gas Tungsten Arc Welding	2
WLD 216	Welding Certification I	4
Total Semester Credit Hours		*16*

MACHINERY MAINTENANCE CERTIFICATE

Program Code: E.MMC.CER
(pending state approval)

Certificate
Minimum graduation requirement — 18 semester hours

The Machinery Maintenance Certificate prepares graduates for entry-level work in industrial or machinery maintenance.

Required Program Courses (18 hours)

ELT 150	Introduction to Electricity and Electronics	3
ELT 179	Industrial Controls	3
MFT 110	Mechanical Assemblies	3
MFT 113	Introduction to Hydraulics and Pneumatics	3
MFT 117	Pumps, Compressors, and Vacuum Systems	3
MFT 212	Industrial Maintenance Applications	3
Total Semester Credit Hours		*18*

Fine and Applied Arts

C-wing • 217/351-2392 • www.parkland.edu/faa

Nancy Sutton, department chair

Donnita Harris, administrative assistant

Students who aspire to careers in artistic and creative fields will benefit from the carefully designed degree programs offered through Fine and Applied Arts. FAA's courses and programs are developed in collaboration with other Illinois schools and are designed for ease of transfer to institutions offering bachelor's and higher degrees. FAA students work with faculty advisors throughout their time at Parkland.

Students who plan to transfer may earn Associate in Fine Arts degrees in art and design, and music performance or education, and Associate in Arts degrees in music, theatre arts, and communication. Career programs include Associate in Applied Science degrees in graphic design and communication: audio/video communication, media arts and production, broadcast technology, and photography, as well as entertainment technology in the field of Theatre Arts.

Parkland's theatre, musical ensembles, art gallery, speech/debate team, and radio and television stations give FAA students hands-on experience that prepares them for internships and employment. FAA also hosts a number of annual events for students including the David Jones Memorial Speech contest, graphic design and fine arts student juried exhibitions in The Donna Hyland Giertz Gallery, and a student-run theatre production that raises money for a memorial scholarship. In addition, full-tuition scholarships are available each year by audition for communication, music, and theatre students, and partial scholarships, including the Underwood-Alger and Don Lake scholarships, are available to art and design students.

ASSOCIATE DEGREE PROGRAMS

A.A.S. Degrees (Career)

A.A./A.F.A. Degree (Transfer) with Concentrations in:

CERTIFICATE PROGRAMS

Art and Design

Program Codes: F.AAD.AFA

Associate in Fine Arts (A.F.A.)
Minimum graduation requirement — 63 semester hours

Illinois colleges and universities offer two different bachelor's degrees in art: the professional Bachelor of Fine Arts (B.F.A.) degree and the Bachelor of Arts (B.A.) degree with a major in art. In general, the B.F.A. degree requires about 135 semester credits for completion, while the B.A. degree with a major in art requires 120-124 semester credits for completion. The B.F.A. degree generally requires more studio art courses than does the B.A. degree. In some colleges and universities, a B.A. degree requires competency in a single foreign language, while the B.F.A. degree often does not.

Since completion of the Associate in Fine Arts degree does not fulfill the requirements of the Illinois General Education Core Curriculum, students are encouraged to complete the general education core curriculum before they transfer. Completion of the A.F.A. degree does not guarantee students the benefits of the "articulation compact program," which is available at several state universities for students who earn the A.A. or A.S. degree. Students may need to complete an additional three hours in Social/Behavioral Sciences and an additional three hours in Humanities/Fine Arts.

Program Notes*

- ART 165 may not be used as a fine arts elective for students pursuing an A.F.A. in Art and Design.
- Students interested in focusing in graphic design should choose studio classes in that field and consult with the graphic design program director for advisement.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ART 121 *or* ART 124	ART 121 *or* ART 124
ART 122	ART 123
ART 161	ART 162
ENG 101	ENG 102
Soc/Beh Sci elec	Math elec

FALL	*SPRING*
3rd Semester	*4th Semester*
ART 283	ART 221
Studio Art elec	Studio Art elec
Studio Art elec	Soc/Beh Sci elec
Hum/FA elec	Phys/LS elec
Phys/LS elec	Hum/FA elec
COM 103	

Required General Education Core Courses (32 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives (POS 122 recommended) 6
- Choose from two or more subject areas.

Humanities elective 3
Fine Arts elective* (ART 163 or ART 164 recommended) . . 3
- One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Art Major Courses (22 hours)

ART 121	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
ART 122	Drawing I	3
ART 123	Drawing II	3
ART 161	Art History I	3
ART 162	Art History II	3
ART 221	Figure Drawing	3
ART 283	Portfolio Seminar	1–2

Beginning Studio Art Courses 6
Select two studio art courses in consultation with an art program advisor:
- Painting (ART 201, Painting I)
- Ceramics (ART 145, Ceramics I)
- Sculpture (ART 181, Sculpture I)
- Jewelry and metalworking (ART 185, Metalwork/Jewelry I)
- Photography (ART 128, Digital Photography; ART 129, Photography)
- Graphic Design (GDS 102 and 120)

Advanced Studio Art Courses 3
Select one advanced studio class in your area of interest. Students whose portfolio of work indicates superior proficiency in a particular art studio discipline may receive credit by four-year institutions for "studio art" II courses:
- Painting (ART 141, Watercolor I; ART 202, Painting II; ART 241, Watercolor II)
- Ceramics (ART 245, Ceramics II)
- Sculpture (ART 182, Sculpture II)
- Jewelry and metalworking (ART 186, Metalwork/Jewelry II)
- Color (ART 125, Color)
- Photography (ART 228, Advanced Digital Photography; ART 229, Advanced Photography)
- 3D Computer Animation I (CSC 187)
- Graphic Design (GDS 122)

Total Semester Credit Hours *63–64*

Art Education

Program Code: F.AAE.AFA

Associate in Fine Arts (A.F.A.)
Minimum graduation requirement — 60 semester hours

To teach in Illinois public schools, teachers must be certified by the state of Illinois either by completion of an approved teacher preparation program or through transcript analysis. To transfer as a junior into an approved baccalaureate program in art education (K–12 or 6–12), students must complete a minimum of 60 semester credit hours, including the general education courses specified to meet certification requirements. Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend. Students must also pass examinations in basic skills (reading, writing, grammar, and math) required for admission. Students are strongly encouraged to complete an A.F.A. prior to transferring. Since admission is competitive, completion of the recommended courses does not guarantee admission.

Program Notes

- The Art Education A.F.A. meets the IAI general education core curriculum requirements.
- ART 165 may not be used as a fine arts elective for students pursuing an A.F.A. in Art Education.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ART 122	ART 121 *or* ART 124
ART 121 *or* ART 124	ART 123
ART 161	ART 162
EDU 101	ENG 102
ENG 101	Math elec

FALL	*SPRING*
3rd Semester	*4th Semester*
ART 283	HIS 104 *or* HIS 105
PSY 101	COM 103
Studio Art elec	Phys/LS elec
Studio Art elec	Hum elec
Phys/LS elec	Studio Art elec

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Sciences (9)
Recommended:
- HIS 104 History of the U.S. to 1877
- *or* HIS 105 History of the U.S., 1877 to the Present 4
- POS 122 American National Government 3
- PSY 101 Introduction to Psychology 4

Fine Arts (6)
- ART 161 Art History I 3
- ART 162 Art History II 3

Humanities (3)
- Humanities elective 3
  must fulfill the non-Western culture requirement.

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Art Core Courses (13 hours)

ART 121 Two-Dimensional Design 3
ART 122 Drawing I 3
ART 123 Drawing II 3
ART 124 Three-Dimensional Design 3
ART 283 Portfolio Seminar 1–2

Elective Studio Art Courses (9 hours) 9

Select studio art courses from the following disciplines in consultation with an art program advisor:
- Figure drawing (ART 221 — Figure Drawing)
- Painting (ART 201, Painting I)
- Ceramics (ART 145, Ceramics I)
- Sculpture (ART 181, Sculpture I)
- Jewelry and metalworking (ART 185, Metalwork/Jewelry I)
- Photography (ART 128, Digital Photography; ART 129, Photography)

A second course in a medium will be reviewed for transfer credit by portfolio assessment on a per student basis. Students whose portfolio of work indicates superior proficiency in a particular art studio discipline may receive credit by four-year institutions for "studio art" II courses:
- Painting (ART 141, Watercolor I; ART 202, Painting II; ART 241, Watercolor II)
- Ceramics (ART 245, Ceramics II)
- Sculpture (ART 182, Sculpture II)
- Jewelry and metalworking (ART 186, Metalwork/Jewelry II)
- Photography (ART 228, Advanced Digital Photography; ART 229, Advanced Photography)
- Color (ART 125, Color)

Total Semester Credit Hours *60*

Communication

Program Code: F.MCT.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

Bachelor's degree programs in communication typically encompass two areas of concentration: Media Communication includes concentration areas in advertising/public relations, audio/video/Internet production, journalism/photojournalism, and media theory/research/effects. Public and Professional Communication includes concentration areas such as interpersonal, public address, organizational communication, and rhetorical studies.

The introductory coursework in either of these concentrations will provide a solid foundation from which the student may choose any of the various pathways offered in a four-year communication program. Students are encouraged to complete an associate degree prior to transfer. Students should be aware that some schools have specific requirements for admission to the major, and should consult with an advisor at the transfer institution concerning specific degree requirements.

MEDIA COMMUNICATION CONCENTRATION

Program Code: F.MCT.AA.MCC

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
ENG 101	COM 103	COM 105	COM 201
COM 101	COM 121	COM 144	Hum elective
COM 141	ENG 102	Phys/LS elec	Phys/LS elec
Soc/Beh Sci elec	Math elec	FA elec	Core course
THE 124	Soc/Beh Sci elec	LAS 189	Soc/Beh Sci elec

PUBLIC AND PROFESSIONAL COMMUNICATION CONCENTRATION

Program Code: F.MCT.AA.PPC

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
COM 103	ENG 102	Core course	Core course
ENG 101	Core course	LAS 189	Phys/LS elec
Core course *or* Gen elec	Soc/Beh Sci elec	Phys/LS elec	Soc/Beh Sci elec
Soc/Beh Sci elec	Hum/FA elec	Hum/FA elec	Core course *or* Gen elec
Hum/FA elec	Math elec	Core course *or* Gen elec	

Required General Education Core Courses (38–39 hours) — Cr. Hrs.

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
Choose from two or more subject areas.
PSY 101 is highly recommended.
POS 122 is highly recommended

Humanities elective 3
PHI 100 is highly recommended

Fine Arts elective 6
THE 124 Film Appreciation plus one other Fine Arts course
(One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)

Life Sciences elective 4

Mathematics elective 3–4
MAT 107,108, 143, or 160 highly recommended

Physical Sciences elective 4

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to Liberal Arts and Sciences . . . 3

Required Media Communication Core Courses (18 hours)

COM 101	Introduction to Mass Communication	3
COM 105	Basic News Writing	3
COM 121	Introduction to Advertising	3
COM 141	Basic Broadcast Announcing	3
COM 144	Video Production I	3
COM 201	Mass Media and Society	3

Choose at least one of the following (3 hours):

COM 106	Broadcast Writing	3
COM 122	Introduction to Public Relations	3
COM 142	Introduction to Radio Production	3
COM 145	Video Production II	3
COM 140	Voice and Diction	3
ART 128	Digital Photography	3
CSC 121	Web Design II	3

Total Semester Credit Hours — *62–63*

Required Public and Professional Communication Core Courses (12 hours)

Choose from:

COM 120	Interpersonal Communication	3
COM 140	Voice and Diction	3
COM 181	Communication Practicum	1–4
COM 200	Group Discussion	3
COM 205	Business and Professional Communication	3
THE 103	Performance of Literature	3

General Electives (7–9 hours)

COM 101 is highly recommended

Total Semester Credit Hours — *60–63*

Communication: Broadcast Technology

Program Code: F.MCC.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 61 semester hours

The Broadcast Technology Program prepares students for careers in radio and television engineering and technical support. Students prepare for professional certification and work in broadcast facilities, including WPCD-FM on the Parkland campus. The program stresses maintenance and repair as well as performance measurement and installation of various types of equipment found in the broadcast industry. Graduates are prepared for positions as station chief engineers or engineering assistants.

Program Note*
Enrollment in COM 292 requires program director or department chair approval and sophomore standing in Broadcast Technology. COM 292 is repeatable for a maximum of 6 credit hours.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
COM 101	CSC 130	COM 292	COM 292
COM 141	ELT 171	CSC 115	CSC 116
ELT 150	MAT 134	ELT 155	ELT 191
ENG 101	COM/ELT elective	PHY 112	COM/ELT elective
CIS 137	Soc/Beh Sci *or* Hum/FA elec	COM 200	Soc/Beh Sci *or* Hum/FA elec

Required Program Courses (36–39 hours) Cr. Hrs.

COM 101	Introduction to Mass Communication	3
COM 141	Basic Broadcast Announcing	3
COM 292*	Internship and Seminar	3–6
CIS 137	Basic PC Maintenance and Operating Systems Concepts	3
ELT 150	Introduction to Electricity and Electronics	3
ELT 155	Digital Control Systems	3
ELT 171	Electronic Devices	3
CSC 130	Introduction to Computer Networks	3
CSC 115	Networking I—Routers and Switches	3
CSC 116	Networking II—WAN Connectivity	3
PHY 112	Applied Physics: Heat and Electricity	3
ELT 191	Security and Home Automation	3

Electives (choose 9 hours)

COM 150	Sports Broadcasting	1–3
CSC 133	PC Hardware and OS Maintenance	3
ELT 131	Residential Wiring	3
MUS 161	Introduction to Music Recording	3
MUS 162	Advanced Music Recording	3
THE 105	Stagecraft	3

Required General Education Core Courses (16 hours)

ENG 101	Composition I	3
COM 200	Group Communication	3
MAT 134	Technical Mathematics I	4
Social/Behavioral Sciences *or* Humanities/Fine Arts elective		6
Total Semester Credit Hours		*61–64*

Communication: Media Arts and Production

Program Code: F.MCB.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Media Arts and Production program prepares students for employment in small and medium market radio and TV stations as well as corporate communication and public relations offices. Because communication technology personnel must perform a variety of duties, this program stresses versatility. Communication courses offer students experience in live-audience and recorded speaking. Advertising and business courses involve students in other aspects of the communication industry. Audio, video and internet components are meshed with an understanding of the history and theory of development of the message. Students polish their skills by operating WPCD-FM, Parkland's 10,500-watt educational radio station and filling production crew positions at PCTV, the college's educational cable access channel.

Program Notes*

- Enrollment in COM 292 requires approval of the program director.
- Concurrent enrollment in COM 141 and COM 140 recommended.

Suggested Full-time Sequence

FALL
1st Semester
CIS 151
COM 101
COM 105 *or*
COM 106
COM 141
ENG 101
COM 140

SPRING
2nd Semester
BUS 106
COM 200 *or*
COM 120
COM 142
COM 201
Soc/Beh Sci *or*
Hum/FA elective

FALL
3rd Semester
COM 121
COM 144
COM 150 *or*
MUS 134 *or*
ART 128 *or*
CIS 152
THE 103
Soc/Beh Sci *or*
Hum/FA elective

SPRING
4th Semester
COM 122
COM 143
COM 145
COM 292
COM 293

Required Program Courses (36 hours)		Cr. Hrs.
COM 101	Introduction to Mass Communication	3
COM 105	Basic News Writing	3
COM 106	Broadcast Writing	3
COM 121	Introduction to Advertising	3
COM 122	Introduction to Public Relations	3
COM 141*	Basic Broadcast Announcing	3
COM 142	Introduction to Radio Production	3
COM 144	Video Production I	3
COM 145	Video Production II	3
COM 201	Mass Media and Society	3
COM 292*	Internship and Seminar	3
COM 293	Portfolio Seminar	3

Other Required Courses (9 hours)		
BUS 106	Business and Organizational Ethics	3
COM 140*	Voice and Diction	3
MUS 161	Introduction to Music Recording	
or ART 128	Digital Photography	
or CIS 152	Web Design I	3

Required General Education Core Courses (15 hours)		
ENG 101	Composition I	3
COM 200	Principles of Group Discussion	
or COM 120	Interpersonal Communication	3
Social/Behavioral Science		
or Humanities/Fine Arts electives		6
THE 103	Performance of Literature	3
Total Semester Credit Hours		*60*

Communication: Media Production

Program Code: F.MPR.CER

Certificate
Minimum graduation requirement — 18 semester hours

This certificate program is designed for students interested in media, music, computers, and the arts. It prepares students for entry-level positions that require in-depth knowledge of mass communication production techniques and software. Students will gain practical experience producing for radio, television, sports, music, film, and digital media. Graduates are employed as production assistants at radio or television stations or in corporate departments in gaming, music, film, or other entertainment industry fields.

Program Note
Production graduates are expected to have broadcast writing and broadcast announcing skills. Students who cannot meet these criteria will be advised to enroll in COM 106 or COM 140.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
COM 141	COM 142
COM 144	COM 145
Elec	Elec

Required Program Courses (12 hours)		**Cr. Hrs.**
COM 141	Basic Broadcast Announcing	3
COM 142	Intro to Radio Production	3
COM 144	Video Production I	3
COM 145	Video Production II	3

Electives (6 hours)
Choose at least two of the following courses:

THE 124	Film Appreciation	3
ART 128	Digital Photography	3
MUS 161	Introduction to Music Recording	3
MUS 162	Advanced Music Recording	3
CSC 186	2D Animation	3
Total Semester Credit Hours		*18*

Communication: Photography

Program Code: F.MPH.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Photography program prepares students for employment as studio photographers, photographer assistants, lab/print specialists, freelance photographers, studio managers, and small business owners. Courses cover the fundamentals of photography through studio photography; historical processes through digital photography; the development of a photography portfolio; and the business of photography.

Program Note*
Prerequisites outside of program required.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ART 128	ART 129
ART 164	ART 130
GDS 108	COM 101
COM 144	Additional Core Course
ENG 101	Fine Arts/Hum *or* Gen Ed

FALL	*SPRING*
3rd Semester	*4th Semester*
ART 228	COM 292
ART 125	COM 293
BUS 117	COM 120
Additional Core Course	Additional Core Course
Fine Arts/Hum *or* General Elective	Additional Core Course

Required Program Courses (33 hours) **Cr. Hrs.**

ART 121	Two-Dimensional Design	
or GDS 108	Design Media and Principles	3
ART 125	Color	3
ART 128	Digital Photography	3
ART 129	Beginning Photography	3
ART 130	Studio Photography I	3
ART 228	Advanced Digital Photography	3
BUS 117	Introduction to Entrepreneurship	3
COM 101	Introduction to Mass Communication	3
COM 144	Video Production I	3
COM 292	Internship and Seminar	3
COM 293	Portfolio Seminar	3

Required Elective Courses (12 hours)
Choose four of the following:

ART 229	Advanced Darkroom Photography	3
BUS 217	Advanced Entrepreneurship	3
CIS 152*	Web Design I	3
COM 105	News Writing	3
COM 106	Broadcast Writing	3
COM 122	Introduction to Public Relations	3
COM 145	Video Production II	3
GDS 120	Graphic Design I	3
GDS 220	Graphic Design for the Web	3
THE 124	Film Appreciation	3

Required General Education Core Courses (15 hours)

English/Communication

COM 120	Interpersonal Communication	
or COM 205	Business and Professional Communication	3
ENG 101	Composition I	3

Fine Arts/Humanities

ART 164	History of Photography	3
Fine Arts/Humanities Elective		3
General Education Elective		3
Total Semester Credit Hours		*60*

Graphic Design

Program Code: F.GDS.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 63 semester hours

The Graphic Design program prepares students for careers in marketing communication, advertising, and related design fields. Courses cover principles of design, visual communication, creative problem solving, and digital media. Students learn to create digital art for print and web.

Program Notes

- Students interested in transferring to a BA or BFA program with an emphasis in graphic design should follow the AFA program under Art and Design and consult with the graphic design program director.
- Students interested in transferring to a BA or BFA program at Illinois State University as part of the 2+2 articulation agreement should consult with the graphic design program director.
- The Design concentration is recommended for students interested in visual communication for print and web.
- The Illustration concentration is recommended for students interested in creating pictorial art for marketing communication. A commitment to drawing and digital media is required.

Required General Education Core Courses (18 hours) **Cr. Hrs.**

ART 122	Drawing I	3
ART 128	Digital Photography	3
ART 163	History of Modern Art	3
ENG 101	Composition I	3
COM 200	Principles of Group Discussion	
or COM 205	Business and Professional Communication	3
Math/Social/Behaviorial Science elective		3

Required Program Courses (24 hours)

GDS 102	Graphic Design History	3
GDS 110	Typography I	3
GDS 120	Graphic Design I	3
GDS 220	Graphic Design for Web	3
GDS 230	Motion Design	3
GDS 273	Illustration I	3
COM 292	Internship and Seminar	3
GDS 293	Portfolio Seminar	3

DESIGN CONCENTRATION

Program Code: F.GDS.AAS.DES

Required Courses (21 hours)

GDS 108	Design Media and Principles	3
GDS 122	Graphic Design II	3
GDS 172	Typography II	3
GDS 222	Graphic Design III	3
GDS 271	Interactive Design	3
COM 121	Introduction to Advertising	3
CIS 152	Web Design I	3
Total Semester Credit Hours		*63*

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
ART 122	ART 163
ENG 101	CIS 152
GDS 102	COM 200 *or* COM 205
GDS 108	GDS 120
GDS 110	GDS 172

SUMMER
ART 128

FALL	*SPRING*
3rd Semester	*4th Semester*
GDS 122	GDS 222
GDS 220	GDS 230
GDS 271	GDS 293
GDS 273	COM 292
COM 121	Math/Soc/Beh Sci elec

ILLUSTRATION CONCENTRATION

Program Code: F.GDS.AAS.ILL

Required Courses (23 hours)

ART 121	Two-Dimensional Design	3
ART 123	Drawing II	3
ART 130	Studio Photography I	3
ART 221	Figure Drawing	3
CSC 186	2D Animation	4
CSC 187	3D Animation	4
GDS 274	Illustration II	3
Total Semester Hours		*65*

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
ART 121	ART 123	ENG 101
ART 122	ART 130	
ART 128	COM 200 *or* COM 205	
GDS 102	CSC 187	
GDS 110	GDS 120	

FALL	*SPRING*
3rd Semester	*4th Semester*
GDS 220	ART 163
GDS 273	ART 221
GDS 274	GDS 230
CSC 186	GDS 293
Math *or* Soc/Beh Sci elec	COM 292
	Math *or* Soc/Beh Sci elec

Graphic Design: Digital Illustration

Program Code: F.GDI.CER

Certificate
Minimum graduation requirement — 19 semester hours

This certificate program is ideal for students who enjoy drawing and art creation using traditional media, but would like to add digital tools to their skill set. Students will learn the practical side of creating original art using digital tools while building a portfolio of editorial illustrations, concept art, technical illustrations, and animation. The certificate program stresses digital media software proficiency, a thorough understanding of design principles, and visual problem solving. Graduates are employed in in-house corporate art departments, illustration studios, and as freelancers.

Program Note*
Prerequisites for GDS 273 and GDS 230 can be waived by the program director with portfolio review.

Suggested Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
GDS 108	GDS 120
GDS 273	GDS 230
GDS 274	CSC 187

Required Program Courses (19 hours)		**Cr. Hrs.**
CSC 187	3D Computer Animation I	4
GDS 108	Design Media and Principles	3
GDS 120	Graphic Design I	3
GDS 230*	Motion Design	3
GDS 273*	Illustration I	3
GDS 274	Illustration II	3
Total Semester Credit Hours		*19*

Graphic Design: Print Production

Program Code: F.GPP.CER

Certificate
Minimum graduation requirement — 24 semester hours

The Print Production certificate program prepares students for entry-level positions that require in-depth knowledge of graphic arts software. Students will learn the practical side of preparing digital press-ready files for efficient output to either film or plates while gaining practical experience creating posters, brochures, newsletters, and other printed materials. The certificate stresses Macintosh computer proficiency and a thorough understanding of various commercial printing processes. Graduates are employed in printing facilities and in-house corporate art departments as prepress operators, print production specialists, or production assistants.

Program Note
Print production students are expected to have a minimum keyboard ability of 30 WPM with 80% accuracy. Those who cannot meet these criteria will be advised to enroll in CIS 156.

Suggested Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
GDS 108	GDS 120	GDS 122	GDS 222
GDS 110	GDS 172	GDS 273	COM 200

Required Program Courses (21 hours)		**Cr. Hrs.**
GDS 108	Design Media and Principles	3
GDS 110	Typography I	3
GDS 120	Graphic Design I	3
GDS 122	Graphic Design II	3
GDS 172	Typography II	3
GDS 222	Graphic Design III	3
GDS 273	Illustration I	3

Required General Education Core Course (3 hours)		**Cr. Hrs.**
COM 200 *or* COM 205	Principles of Group Discussion Business and Professional Communication	3
Total Semester Credit Hours		*24*

Interactive Design

Program code: T.IAD.AAS
(pending state approval)

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 65 semester hours

The Interactive Design program prepares students to design interactive user experiences for websites and devices. The program prepares students for careers in marketing communication, web design, web development, and related fields. Courses cover principles of design, visual communication, creative problem solving, user experience design and web development. Students will build a diverse portfolio of creative digital media projects including responsive websites, ebooks, apps and animation.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	ART 128
ART 122	CSC 175	
CIS 112	CSC 179	
CIS 152	GDS 110	
GDS 102	GDS 120	
GDS 108	ENG 101	

FALL	*SPRING*
3rd Semester	*4th Semester*
CSC 121	COM 200 *or* COM 205
CSC 186	GDS 230
GDS 220	GDS 292 *or* COM 292
GDS 271	GDS 293
GDS 272	Math *or* Soc/Beh Sci elec

Required Program Courses (50 hours)		**Cr. Hrs.**
CIS 112	Computing Essentials	4
CIS 152	Web Design I	3
CSC 121	Web Design II	3
CSC 175	Scripting	3
CSC 179	Digital Media Foundation	3
CSC 186	2D Animation	4
GDS 102	Graphic Design History	3
GDS 108	Design Media and Principles	3
GDS 110	Typography I	3
GDS 120	Graphic Design I	3
GDS 220	Graphic Design for Web	3
GDS 230	Motion Design	3
GDS 271	Interactive Design I	3
GDS 272	Interactive Design II	3
GDS 292	Graphic Design Studio	
or COM 292	Internship and Seminar	3
GDS 293	Portfolio Seminar	3

Required General Education Courses (15 hours)

ART 122	Drawing I	3
ART 128	Digital Photography	3
COM 200	Principles of Group Discussion	3
or COM 205	Business and Professional Communication	
ENG 101	Composition I	3
Math or Social/Behavioral Sciences elective		3
Total Semester Credit Hours		*65*

Interactive Design Certificate

Program code: T.IAD.CER
(pending state approval)

Certificate
Minimum graduation requirement — 21 semester hours

The Interactive Design Certificate prepares students for entry-level positions that require in-depth knowledge of HTML, CSS, Javascript, and other web development tools. Students will learn the practical side of developing interactive designs for websites and devices. The certificate program stresses technical competency and prepares students to manage a small business or community organization website. Students will build a diverse portfolio of digital media projects including responsive websites and ebooks.

Program Note*
Prerequisites for GDS 120 can be waived by the program director for students in this program.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CIS 152	CSC 121
GDS 120	CSC 175

FALL
3rd Semester
GDS 220
GDS 271
GDS 272

Required Program Courses (47 hours)		**Cr. Hrs.**
CIS 152	Web Design I	3
CSC 121	Web Design II	3
CSC 175	Scripting	3
GDS 120	Graphic Design I	3
GDS 220	Graphic Design for Web	3
GDS 271	Interactive Design I	3
GDS 272	Interactive Design II	3
Total Semester Credit Hours		*21*

Music Education

Program Code: F.MSE.AFA

Associate in Fine Arts (A.F.A.)
Minimum graduation requirement — 69 semester hours

Parkland students who are seeking a bachelor's degree in music are strongly encouraged to complete the Associate in Fine Arts (A.F.A.) degree and the general education core curriculum before transferring.

To transfer as a junior into a baccalaureate program with a major in music education or music performance, students should complete the course work in consultation with a music faculty advisor. Completion of the A.F.A. degree does not fulfill the requirements of the Illinois General Education Core Curriculum. Therefore, students are advised to complete the general education core curriculum before they transfer.

Transfer admission is competitive. Completion of this program alone does not guarantee admission either to the baccalaureate program or to upper-division or specialty music courses. Students may be required to demonstrate skill level through auditions and placement testing at the institution to which they transfer. In some colleges and universities, a bachelor's degree may also require competency in a single foreign language.

Suggested Full-time Sequence

FALL *1st Semester*	*SPRING* *2nd Semester*
MUS 101	MUS 102
MUS 103	MUS 104
MUS 165	MUS 166
MUS 180	MUS 180
Ensemble	Ensemble
ENG 101	ENG 102
Math elec	HIS 104 *or* HIS 105

FALL *3rd Semester*	*SPRING* *4th Semester*
MUS 201	MUS 202
MUS 203	MUS 204
MUS 243	MUS 244
MUS 280	MUS 280
Ensemble	Ensemble
EDU 101	COM 103
Phys/LS elec	Phys/LS elec

Required General Education Core Courses (27 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Sciences (7)
- HIS 104 History of the U.S. to 1877
- *or* HIS 105 History of the U.S., 1877 to the Present 4
- POS 122 American National Government 3

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Core Music Courses (42 hours)

MUS 101	Music Theory and Harmony I	3
MUS 102	Music Theory and Harmony II	3
MUS 103	Ear-Training, Sight-Singing, and Keyboard Harmony I	2
MUS 104	Ear-Training, Sight-Singing, and Keyboard Harmony II	2
MUS 165	Class Piano I	2
MUS 166	Class Piano II	2
MUS 180	Applied Music	4
MUS 201	Advanced Theory and Harmony I	3
MUS 202	Advanced Theory and Harmony II	3
MUS 203	Advanced Ear-Training, Sight-Singing, and Keyboard Harmony I	2
MUS 204	Advanced Ear-Training, Sight-Singing, and Keyboard Harmony II	2
MUS 243	Music Literature: Antiquity to 18th Century	3
MUS 244	Music Literature: 18th Century to Present	3
MUS 280	Applied Music	4
ENSEMBLE		4

Choose from:
Choral Ensemble (MUS 142),
Instrumental Ensemble (MUS 146, MUS 147, or MUS 148), or
Jazz Ensemble (MUS 169), or Guitar Ensemble (MUS 184).

Total Semester Credit Hours *69*

Music Foundations

Program Code: F.MSF.AA
(pending state approval)

Associate in Arts (A.A.)
Minimum graduation requirement — 63 semester hours

Parkland students who are interesting in exploring careers in music while completing general education courses needed for transfer should consider the Associate in Arts in Music Foundations.

The degree offers a foundational experience in theory, aural skills, instrumental instruction, and music technology that allows the student to consider the pathways offered by a career in music. The program is designed for those students with or without formal experience in music.

Transfer admission in music is competitive. Completion of this program alone does not guarantee admission either to the baccalaureate program or to upper-division or specialty music courses. Students who determine after the first year that they wish to transfer to a four-year program in music performance may want to consider additional coursework in music in order to complete the A.F.A. degree program in preparation for transfer to institutions requiring audition.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
MUS 100	MUS 165 *or* MUS 164
Math elective	COM 103
ENG 101	Social Science
MUS 124	Fine Art elective
Area of Interest elective	Area of Interest elective
SUMMER	
Social Science	
FALL	*SPRING*
3rd Semester	*4th Semester*
MUS 101	Social Science elective
MUS 103	Science elective
Science elective	Humanities elective
ENG 102	Area of Interest elective
Area of Interest elective	LAS 189

Required General Education Core Courses (38 hours) **Cr . Hrs .**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I. 3
- ENG 102 Composition II 3

Social/Behavioral Science electives (9)
- Choose from two or more subject areas. 9

Humanities elective 3

Fine Art electives (6)
- MUS 124 is required 3
- MUS 121 or 123 are recommended 3
- One course from Soc/Beh Sci, Hum, or FAA must fulfill the non-Western culture requirement.

Mathematics elective 3
Physical Science elective. 4
Life Sciences elective 4

A .A. Degree Requirement (3 hours)

LAS 189 Introduction to Liberal Arts and Sciences . . . 3

Required Core Music Courses (10 hours)

MUS 100 Music Foundations. 3
MUS 101 Music Theory and Harmony I 3
MUS 103 Ear-Training, Sight-Singing, and Keyboard Harmony I 2
MUS 165 Class Piano I
or MUS 164 Class Guitar. 2

Area of Interest Elective Courses (12 hours)

Choose from the following:

Music Business and Technologies

MUS 161 Introduction to Music Recording 3
MUS 162 Advanced Music Recording 3
COM 141 Basic Broadcast Announcing 3
COM 142 Intro to Radio Production 3
THE 107 Theatre Practicum 1–4

Music Performance/Composition

MUS 102 Music Theory and Harmony II. 3
MUS 104 Ear-Training, Sight-Singing, and Keyboard Harmony II. 2
MUS 165 Class Piano I
or MUS 164 Class Guitar. 2
MUS 166 Class Piano II. 2
Applied Music (MUS 180/280). 2–8
Ensembles 1–4

Total Semester Credit Hours *63*

Music Performance

Program Code: F.MSP.AFA

Associate in Fine Arts (A.F.A.)
Minimum graduation requirement — 71 semester hours

Parkland students who are seeking a bachelor's degree in music are strongly encouraged to complete the Associate in Fine Arts (A.F.A.) degree and the general education core curriculum before transferring.

To transfer as a junior into a baccalaureate program with a major in music education or music performance, students should complete the course work in consultation with a music faculty advisor. Completion of the A.F.A. degree does not fulfill the requirements of the Illinois General Education Core Curriculum. Therefore, students are advised to complete the general education core curriculum before they transfer. Choose two additional Social/Behavioral Science electives from two different subject areas and one Humanities/Fine Arts elective to complete this core curriculum.

Transfer admission is competitive. Completion of this program alone does not guarantee admission either to the baccalaureate program or to upper-division or specialty music courses. Students may be required to demonstrate skill level through auditions and placement testing at the institution to which they transfer. In some colleges and universities, a bachelor's degree may also require competency in a single foreign language.

Program Note*
MUS 121 may not be used as a fine arts elective for students pursuing an A.F.A. in music performance.

Suggested Full-time Sequence

FALL *1st Semester*	*SPRING* *2nd Semester*
MUS 101	MUS 102
MUS 103	MUS 104
MUS 165	MUS 166
MUS 180	MUS 180
Ensemble	Ensemble
ENG 101	ENG 102
Math elec	Hum/FA elec
	Gen elec

FALL *3rd Semester*	*SPRING* *4th Semester*
MUS 201	MUS 202
MUS 203	MUS 204
MUS 243	MUS 244
MUS 280	MUS 280
Ensemble	Ensemble
Soc/Beh Sci elec	COM 103
Phys/LS elec	Hum/FA elec
	Phys/LS elec

Required General Education Core Courses (29 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science elective 3
Humanities elective 3
Fine Arts elective* 3
One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.
Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Core Music Courses (42 hours)

MUS 101	Music Theory and Harmony I	3
MUS 102	Music Theory and Harmony II	3
MUS 103	Ear-Training, Sight-Singing, and Keyboard Harmony I	2
MUS 104	Ear-Training, Sight-Singing, and Keyboard Harmony II	2
MUS 165	Class Piano I	2
MUS 166	Class Piano II	2
MUS 180	Applied Music	4
MUS 201	Advanced Theory and Harmony I	3
MUS 202	Advanced Theory and Harmony II	3
MUS 203	Advanced Ear-Training, Sight-Singing, and Keyboard Harmony I	2
MUS 204	Advanced Ear-Training, Sight-Singing, and Keyboard Harmony II	2
MUS 243	Music Literature: Antiquity to 18th Century	3
MUS 244	Music Literature: 18th Century to Present	3
MUS 280	Applied Music	4
ENSEMBLE		4

Choose from:
Choral Ensemble (MUS 142),
Instrumental Ensemble (MUS 146, MUS 147, or MUS 148), or
Jazz Ensemble (MUS 169), or Guitar Ensemble (MUS 184).

Total Semester Credit Hours Required *71*

Theatre Arts

Program Code: F.THE.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 63 semester hours

The Associate in Arts degree prepares students to transfer into a bachelor's program in Theatre Arts as a junior. Students may chose either the performance track—which emphasizes acting, voice, and movement—or the design track, which allows students to explore the role of art and design in theatre. Both tracks immerse the students in foundational studies of theatre and provide a wide range of experiences both on stage and behind the scenes. Admission to a baccalaureate program is competitive and completion of these courses alone does not guarantee admission. Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
THE 100	THE 107
THE 104	THE 202 *or* ART Studio
THE 105	COM 103
THE 107	Fine Art elec
ENG 101	Humanities elec
Math elec	Social Science elec

SUMMER
Social Science elec
ENG 102

FALL	*SPRING*
3rd Semester	*4th Semester*
THE 107	THE 103 *or* THE 109
THE 109	THE 107
COM 140 *or* ART studio	LAS 189
Life Sciences elec	Social Science elec
	Physical Science elec

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives (9)
- Choose from two or more subject areas 9

Humanities elective 3

Fine Art electives (6)
- THE 100 is required 3
- THE 101 or THE 124 is recommended for all
- ART 161 or 162 is recommended for Design Track 3
- One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

Mathematics elective 3
Physical Science elective 4
Life Sciences elective 4

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to Liberal Arts and Sciences . . . 3

Required Program Courses (13 hours) **Cr. Hrs.**

THE 104 Acting I 3
THE 105 Stagecraft 3
THE 107 Practicum 2–4
THE 120 Script Analysis for Production 3

PERFORMANCE TRACK

Program Code: F.THE.AA.PER

Required Courses (9 hours)

THE 103 Performance of Literature
or THE 109 Costume and Stage Makeup 3
THE 202 Acting II 3
COM 140 Voice and Diction 3

Total Semester Credit Hours *63*

DESIGN TRACK

Program Code: F.THE.AA.DES

Required Courses (9 hours)

THE 109 Costume and Stage Makeup 3
Choose two of the following:
ART 124 Three-Dimensional Design 3
ART 125 Color 3
ART 145 Ceramics 3
ART 181 Sculpture 3

Total Semester Credit Hours *63*

Theatre Arts: Entertainment Technology

Program Code: F.ENT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 62 semester hours

The Entertainment Technology program prepares students for technical careers in the entertainment industry that include set and lighting construction for both stage and film as well as technical work in educational institutions, resorts, restaurants and theme parks, community theatre, social organizations, and radio and television. Students will benefit from foundational studies in both technology fields and theatre and will gain a wide range of experiences both on stage and behind the scenes. The theatre practicum will allow for dedicated experience in areas of special interest to the individual student.

Program Note*
THE 107 is a 1-credit-hour course and must be taken a total of four times for completion of the degree.

Suggested Full-time Sequence

FALL *1st Semester*	*SPRING* *2nd Semester*
THE 105	THE 107
THE 107	THE 109
ART 124	ENG 101
COM 120 *or* 200	ART studio
MFT 210	Elective
Math elec	WLD 111

FALL *3rd Semester*	*SPRING* *4th Semester*
THE 107	THE 104
THE 120	THE 107
ART studio	ELT 150
Fine Art elec	Elective
Elective	Elective
Elective	Fine Art elec

Required Program Courses (16 hours) **Cr. Hrs.**

THE 104	Acting I	3
THE 105	Stagecraft	3
THE 107*	Practicum	4
THE 109	Costumes	3
THE 120	Script Analysis for Production	3

Other Required Courses (19 hours)

ART 124	Three-Dimensional Design	3
ELT 150	Introduction to Electricity and Electronics	3
MFT 210	Industrial Safety	3
WLD 111	Intro to Welding	4
Choose two of the following:		
ART 121	Two-Dimensional Design	3
ART 125	Color	3
ART 180	Sculpture	3

Electives (12–13 hours — choose four)

ART 128	Digital Photography	3
ART 130	Studio Photography	3
CAD 124	Introduction to AutoCAD	3
COM 144	Video Production I	3
COM 145	Video Production II	3
CSC 186	2D Animation	4
MUS 161	Introduction to Music Recording	3
MUS 162	Advanced Music Recording	3

Required General Education Courses (15 hours)

COM 120	Interpersonal Communication	
or COM 200	Principles of Group Discussion	
or COM 205	Business and Professional Communication	3
ENG 101	Composition I	3
Fine Art Electives (THE 100 and ART 161 recommended)		6
Math elective		3
Total Semester Credit Hours		*62*

Theatre Arts: Entertainment Technology

Program Code: F.ENT.CER

CERTIFICATE
Minimum graduation requirement — 27 semester hours

The Certificate in Entertainment Technology program helps students develop the knowledge and skills necessary to embark on careers as professional stagehands, stage carpenters, stage electricians, audio technicians, or technical directors. Emphasis in this specialized program is on production; many hours are required in the operation of the theatre plant, and the construction of scenery, properties, and lighting of theatrical events. Students will be actively involved in the production of numerous music and theatre events in the Parkland Theatre.

Program Note*
THE 107 is a 1-credit-hour course and must be taken a total of two times for completion of the degree.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
THE 105	THE 107
THE 107	COM 120/200
ART 124	WLD 111
ELT 150	Elective
MFT 210	Elective

Required Program Courses (5 hours)		**Cr. Hrs.**
THE 105	Stagecraft	3
THE 107*	Practicum	2
Other Required Courses (13 hours)		
ART 124	Three-Dimensional Design	3
ELT 150	Intro to Electricity and Electronics	3
MFT 210	Industrial Safety	3
WLD 111	Intro to Welding	4
Electives (6–7 hours — choose two)		
ART 128	Digital Photography	3
ART 130	Studio Photography	3
CAD 124	Introduction to AutoCAD	3
COM 144	Video Production I	3
COM 145	Video Production II	3
CSC 186	2D Animation	4
MUS 161	Introduction to Music Recording	3
MUS 162	Advanced Music Recording	3
Required General Education Courses (3 hours)		
COM 120	Interpersonal Communication	
or COM 200	Principles of Group Discussion	
or COM 205	Business and Professional Communication	3
Total Semester Credit Hours		*27–28*

Health Professions

L-wing 217/351-2224 • H-wing • 217/353-2760
www.parkland.edu/hp
Bobbi Scholze, dean
Rachel Delaney, administrative assistant
Molly Rittenhouse, administrative assistant
Michele Spading, vice chair, student affairs
Diane Cousert, vice chair, faculty affairs

Parkland's Health Professions career programs are designed to give students leading-edge skills in caring for the well being of others, through hands-on training in up-to-date labs, classrooms, area clinics, and local hospitals. Health Professions instructors are professionals in their fields and are required to keep current in their knowledge. All the degree programs and many of the certificate programs are fully accredited and prepare students for transfer, licensing exams, or whatever they need to move ahead in their chosen healthcare fields.

Selective Admissions Information

Selective admissions information for Dental Hygiene, Dietary Manager, EMS Paramedic, Practical Nursing, Massage Therapy, Medical Assisting, Nursing, Occupational Therapy Assistant, Radiologic Technologist, Respiratory Care, Surgical Technology, and Veterinary Technology programs:

1. Admission into most Parkland College Health Professions programs is selective, which means that admissions are competitive and programs may have their own admissions criteria and minimum scores for admission. You must be accepted into the program prior to taking any courses in the major. Students are conditionally admitted to all selective admissions programs until all the program requirements are fulfilled by the established deadlines.
2. To determine if your program of interest has selective admission, or if additional admission criteria are used, please see the program page or visit the website for that program. A selective admission "score" is required for most programs.
3. A specialized orientation, called "Get the Facts," is online and is required for all applicants. At the end of the presentation students are directed to take a brief survey. The information in this orientation is extremely important for understanding the selective admission process and how scores are determined.
4. It is strongly recommended that you work closely with an advisor, counselor, or the Health Professions vice chair, student affairs when seeking entrance to a Health Professions program.
5. Students who wish to apply transfer credit towards a Health Professions degree or certificate should verify acceptable credits before applying to the program by sending official transcripts to Parkland College Admissions and Records and requesting a transcript evaluation.
6. Application deadlines for selective admissions programs are March 1 for fall admission and October 1 for spring admission, where applicable.
7. Admission to Parkland College does not guarantee a student's admission into any selective admissions program. Students who have not yet been accepted to the program of their choice will have a major code that begins with the letters AGS (Associate in General Studies) followed by the letters of their major (for example DHG, DTP, EMT, LPN, MAS, MSG, NUR, OTA, XRA, RTT, SUR, VTT). Once the student is

continued on next page

Selective Admissions Information

continued from previous page

admitted to the selective admissions program, the program code changes to AAS (Associate in Applied Science) followed by the letters of the major. The same coding process is used for certificate (CER) students.

8. Students seeking admission into a Health Professions program should be aware of the following policies and procedures:
   a. All biology courses required in Health Professions programs must be taken within five years of admission into the program, to satisfy graduation requirements. If Anatomy and Physiology (BIO 121 and 122) are required by the program, the courses must include a cadaver lab. If you have taken Anatomy and Physiology at another college, you should contact the Parkland College Natural Sciences Department for questions regarding transferability.
   b. Biology 121 requires high school or college chemistry, or passing score on the chemistry competency test within the past three years. If you have not completed chemistry prior to admission into a program, you will need to take CHE 100 or CHE 106.
   c. Mathematics skills are important to each Health Professions program. Math assessment is good for two years. Check the math requirement for each program carefully. Math assessment is not required if you have transferable college-level math taken within five years.
   d. Students for whom English is a second language will be required to take TOEFL and achieve the minimum, or greater, scores in reading, listening, speaking, and writing, established by each program on the iBT TOEFL prior to admission to any Health Professions program. Spoken and written language skills are critical to student success in clinical courses. Accurate communication between the students and patients, families, care providers, physicians, all facility employees, and faculty is essential to patient safety. See the Health Professions website for more information.
9. Prospective and admitted Health Professions students will need to meet the following clinical eligibility requirements depending on the specific program (refer to program website):
   a. Upon admission, students may be required to pass a background check, drug screen, physical, and TB test and present evidence of immunization and CPR certification. Deadlines for completion of these requirements are firm. If the deadlines are not met, students will forfeit their position in their program and be dropped from the program and all program courses.
   b. American Heart Association BLS (Basic Life Support) Healthcare Provider or Red Cross Professional Rescuer cards are the only acceptable CPR cards for the Health Professions programs. No other CPR cards or CPR classes are accepted. KIN 183 does not meet this requirement.
   c. Most Health Professions programs require a State Police background check and drug testing for entrance to clinical sites. The Healthcare Worker Background Check Act list of disqualifying conditions http://www.ilga.gov/commission/jcar/admincode/077/07700955sections.html is used to determine eligibility for each program. A positive finding may limit entry to the program, clinical placement, advancement in a program, license to practice, and/or employment. Contact the Illinois Department of Financial and Professional Regulation at 217/785-0800.
   d. Students are required to have and maintain a current Healthcare Record, TB and immunizations, and all programs (except Vet Tech) must maintain a current CPR card, as specified above, while enrolled in a Health Professions program. Dates should be good through the semester in which the student is enrolled. Failure to maintain these important clinical and contractual credentials could result in dismissal from the course and/or the program.
   e. Students are responsible for the cost of screening required by clinical agencies, including but not limited to background checks, drug screening, physical, and immunizations or proof of immunizations. These costs are not all included in course fees.
10. Program procedures vary. Please refer to your program handbook.
   a. Grades greater than or equal to a C and a Program Grade Point Average (PGPA) of 2.0 are required for all Health Professions program courses. Some programs require a PGPA program grade point average higher than 2.0. Refer to the specific program for this requirement.
   b. Program grading scales are often higher than the traditional college scale; see the individual program handbook.
   c. Each program has requirements for Satisfactory Academic Progress, including but not limited to passing clinical; requirements for grade point average; the number of allowable withdrawals or repetitions; criteria for program dismissal; attendance, including limits regarding attendance; readmission to the program; professional behavior; and the criteria for academic probation. Consult the program handbook.
   d. Students who have been dismissed from a clinical site may receive a clinical failure. Students who receive a clinical failure may not withdraw without the permission of the faculty and may or may not be placed in another clinical facility.
   e. Graduation requirements for each program differ; consult the specific program.
   f. Some programs have time limits, and the program must be completed in a specified number of semesters or years. Check your specific program for these requirements.
   g. Credit/No Credit options are not available for any program courses.
   h. Students admitted to a Health Professions program or returning to a program after a lapse must follow the catalog specified by the program handbook.
   i. Students should be aware that repeating a course will require paying a course repeat fee in addition to any tuition and fees required.

Dental Hygiene

Health Career Admissions
Program Code: G.DHG.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 79 semester hours

The Dental Hygiene Program prepares students to become part of the dental health team. The dental hygienist is responsible for providing such services as scaling and polishing teeth, taking radiographs, applying fluoride and surface sealants to the teeth, and local anesthesia and conscious sedation. The dental hygienist is the primary oral health educator in clinical and nonclinical settings. The program is accredited by the Commission on Dental Accreditation, American Dental Association (a specialized accrediting body recognized by the Council on Postsecondary Accreditation), and by the United States Department of Education.

Program Notes*

- This is a selective admissions program — students must be admitted into the program before taking DHG courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 070, MAT 072, or MAT 080 within the past two years, and must place into ENG 101 and college level reading (83 or above on ACT COMPASS exam).
- A selective admission score of 2.75 or above must be attained to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 21-21-26-23.
- Students are required to keep a grade of C or higher in all program courses.
- Optional courses DHG 641 and DHG 642 are vocational skills courses. Credit earned in these courses does not count toward graduation and financial aid may not be available. ALR 135 and ALR 136 are optional courses for Board review.

Graduation requirements are as follows:

- Clinical and lab courses have specific proficiencies and patient completion requirements that must be met each semester to continue and graduate from the program.
- Students must adhere to all ethical and professional behavioral policies of the American Dental Hygienists' Association Code of ethics in order to progress and graduate.

Suggested Full-time Sequence

SUMMER	*FALL*	*SPRING*
	1st Semester	*2nd Semester*
BIO 121	DHG 110	DHG 115
	DHG 111	DHG 116
	DHG 112	DHG 117
	DHG 113	DHG 118
	DHG 114	DHG 119
	BIO 122	BIO 123
		COM 103
SUMMER	*FALL*	*SPRING*
	3rd Semester	*4th Semester*
DHG 211	DHG 210	DHG 219
DHG 212	DHG 214	DHG 235
DHG 215	DHG 217	DHG 236
DHG 216	DHG 218	DHG 237
	DHG 230	DHG 238
	DHG 233	ENG 102
	ENG 101	PSY 101
		SOC 101

Required Program Courses (50 hours)		**Cr. Hrs.**
DHG 110	Applied Head and Neck Anatomy	2
DHG 111	Oral and Dental Anatomy	2
DHG 112	Dental Histology and Embryology	2
DHG 113	Introduction to Prevention	1
DHG 114	Pre-Clinic	5
DHG 115	Seminar I	1
DHG 116	Clinic I	2
DHG 117	Dental Radiology I	3
DHG 118	Pharmacology for the Dental Hygienist	2
DHG 119	Alterations of Oral Structures	2
DHG 210	Periodontology	2
DHG 211	Local Anesthesia	1.5
DHG 212	Dental Materials	3
DHG 214	Nitrous Oxide/Oxygen Sedation	1
DHG 215	Clinic II	2
DHG 216	Seminar II	1
DHG 217	Seminar III	2
DHG 218	Clinic III	4
DHG 219	Clinic IV	4
DHG 230	Community Dental Health	3
DHG 233	Dietary Analysis and Preventive Counseling	2
DHG 235	Seminar IV	1
DHG 236	Ethics and Jurisprudence	1
DHG 237	Licensure and Transition to Registered Dental Hygienist	1
DHG 238	Dental Radiology II	0.5

Other Required Courses (12 hours)		
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (16 hours)		
ENG 101	Composition I	3
ENG 102	Composition II	3
PSY 101	Introduction to Psychology	4
SOC 101	Introduction to Sociology	3
COM 103	Introduction to Public Speaking	3
Total Semester Credit Hours		*79*

Optional Courses (offered spring semester for second year students)		**Cr. Hrs.**
ALS 196	Dental Hygiene Board Exam Prep	2
DHG 641*	Basic Dental Assisting for the Dental Hygienist	2
DHG 642*	Providing Oral Care in the Long Term Care Facility	1

Dietary Manager

Health Career Admissions
Program Code: G.DTP.CER

Certificate Program
Minimum graduation requirement — 32 semester hours

Dietary managers work in hospitals, long-term care facilities, schools, correctional facilities, and many other settings. Responsibilities may include directing and controlling menu planning, food purchasing, food production and service, financial management, employee recruitment, training and supervision, nutritional screening, and documenting nutritional assessment data in the medical record. Dietary managers who have earned the Certified Dietary Manager credential are also specially trained in food safety and sanitation. Dietary managers may work as foodservice directors, assistant foodservice directors, supervisors, clinical care professionals, multi-department managers, high-level administrators in large service organizations, consultants, or entrepreneurs. Students are eligible for DMA student membership. At completion of the program, participants will be eligible to take the certification exam for Dietary Managers. The program is accredited by the Dietary Manager Association, 406 Surrey Woods Drive, St. Charles, Illinois 60174, 800/323-1908.

Program Notes

- This is a selective admissions program—students must be admitted to the program before taking DTP courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- Placement into ENG 101 and college-level reading (83 or above on the ACT COMPASS exam or completion of CCS 099 with a minimum grade of B) is required for admission to the program.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 17-16-26-19.

Suggested Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
BIO 120	DTP 120	DTP 106
DTP 112	DTP 126	DTP 275
HCS 154	DTP 175	ENG 101
HPI 110	HPI 112	
HPI 115		

Required Program Courses (26 hours)		**Cr. Hrs**
DTP 112	Introduction to Dietetic Careers	1
DTP 106	Cultural Foods	3
DTP 120	Nutrition and Diet Therapy	3
DTP 126	Nutrition and Life Cycles	3
DTP 175	Food Service Management for Dietary Managers	3
DTP 275	Clinical Practicum I	1
HCS 154	Medical Terminology	3
HPI 110	Foodservice Sanitation	1
HPI 112	Food Standards and Production I	5
HPI 115	Menu Management and Design	3

Other Required Courses (6 hours)

BIO 120	Fundamentals of Nutrition	3
ENG 101	Composition I	3
Total Semester Credit Hours		*32*

Emergency Medical Services: Emergency Medical Technician (EMT)

Health Career Admissions
Program Code: G.EMA. CER

Certificate
Minimum graduation requirement — 5 semester hours

The Emergency Medical Technician (EMT) course prepares the student to provide pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of an EMT, anatomy and physiology, medical emergencies, trauma, special considerations for working in the pre-hospital setting, and providing patient transport.

The EMT course meets the National Standard Curriculum provided by the National Department of Transportation, and/or the 2009 National Emergency Medical Services Education Standards provided by the National Association of State EMS Officials. This course prepares the student to take the State of Illinois EMT license examination or the National Registry of Emergency Medical Technician examination.

Program Notes

- TOEFL iBT requirements for reading, listening, speaking, and writing are as follows: 18-22-22-17.
- Students are required to keep a current CPR card throughout the course.
- Students must be 18 years of age to attend the clinical portion of the course.
- Students must pass EMS 110 with an 80% or higher final grade to qualify to take the EMT-B examination.

Required Program Courses (5 hours)		**Cr. Hrs.**
EMS 110	Emergency Medical Technician	5
Total Semester Credit Hours		*5*

Emergency Medical Services: Paramedic

Health Career Admissions
Program Code: G.EMT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 66 semester hours

The EMS-Paramedic A.A.S. Program prepares students to practice as an advanced EMS provider with opportunities for increased responsibility. Students will achieve competencies in the cognitive, psycho-motor, and affective domains from didactic instruction, classroom lab skills, and actual clinical application with patient contacts under the supervision of a trained pre-hospital and hospital preceptor. Students will learn to administer medication, start intravenous lines, interpret EKG rhythm strips, and deliver the appropriate interventions, as well as to administer many other advanced life support procedures.

The EMS-Paramedic Program meets the National Standard Curriculum provided by the 2009 National Emergency Medical Services Educational Standards provided by the National Association of State EMS Officials. Graduates are eligible to take the Illinois EMT-Paramedic license examination and/or the National Registry for Emergency Medical Technicians Paramedic examination.

Program Notes

This is a selective admissions program—students must be admitted into the program before taking EMS courses. See the selective admissions page for more information regarding admission, progression, and graduation.

- BIO 111 or equivalent (see selective admissions information regarding transferability from other colleges) is required prior to taking any EMS-Paramedic courses.
- To be admitted to the program, students must place into MAT 060 within the past two years, and place into ENG 101 and college level reading.
- TOEFL iBT requirements for reading, listening, speaking, and writing are as follows: 18-22-22-17.
- Students must pass EMS 110 and/or be licensed as an EMT in the state of Illinois.
- Students must have documentation of patient care experience in the role of an EMT by submission of one of the following:
  - A letter from an EMS pre-hospital agency or the U.S. military of 300 hours of patient care contacts.
  - A letter from an EMS pre-hospital agency or the U.S. military of six months of full-time employment in the role of an EMT.
  - A letter from an Emergency Department documenting employment as a patient care technician with 300 hours of patient care contact and /or full-time employment for 6 months.
- Students must complete the overall program with an 80% to qualify to take the National or State licensure exam.
- Students will be given a grade of incomplete in their final EMS class if the clinical requirements have not been met. After a period of six months if the student has not satisfactorily completed the required clinical hours, that grade will be changed to an F.

In order to successfully complete and graduate from the Parkland College Paramedic Program, the student must fulfill the following:

- All classroom and clinical requirements.
- Achieve an 80% average on all quizzes, homework, and exams.
- Have satisfactory attendance (no more than 10 percent of the total scheduled hours missed for any reason).
- Satisfactory evaluation on clinical experiences.
- Satisfactory rating on all practical examinations.
- Satisfactory completion of field internship.
- Maintain compliance with all the policies outlined for the Paramedic course.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
BIO 111	ENG 102	EMS 113
ENG 101	Elective	
HCS 154	HCS 238	
PSY 101	PSY 209	
	MAT 151	

FALL	*SPRING*
3rd Semester	*4th Semester*
EMS 114	EMS 115
Elective	Electives
COM 103	
or COM 120	

Required Program Courses (30 hours)		**Cr. Hrs.**
EMS 110	Emergency Medical Technician	5
EMS 113	Paramedic I	8
EMS 114	Paramedic II	8.5
EMS 115	Paramedic III	8.5

Other Required Courses (20 hours)		
BIO 111	Basic Anatomy and Physiology	4
HCS 154	Medical Terminology	3
HCS 238	Work Practicum	5
MAT 151	Mathematics for Health Careers	2
Electives	BUS 106, FST 111, FST 210, MGT 101, or MGT 113 are recommended	6

Required General Education Core Courses (16 hours)		
ENG 101	Composition I	3
ENG 102	Composition II	3
PSY 101	Introduction to Psychology	4
PSY 209	Human Growth and Development	3
COM 103 *or* COM 120	Introduction to Public Speaking Interpersonal Communication	3
Total Semester Credit Hours		*66*

Emergency Medical Services: Paramedic

Health Career Admissions
Program Code: G.EMT.CER

Certificate
Minimum graduation requirement — 29 semester hours

The EMS-Paramedic Certificate Program prepares students to practice as an advanced EMS provider with opportunities for increased responsibility. The students will achieve competencies in the cognitive, psycho-motor, and affective domains from didactic instruction, classroom lab skills, and actual clinical application with patient contacts under the supervision of a trained pre-hospital and hospital preceptor. Students will learn to administer medication, start intravenous lines, interpret EKG rhythm strips, and deliver the appropriate interventions, as well as to administer many other advanced life support procedures.

The EMS-Paramedic Program meets the National Standard Curriculum provided by the 2009 National Emergency Medical Services Education Standards provided by the National Association of State EMS Officials. Graduates are eligible to take the Illinois EMT-Paramedic license examination and/or the National registry for Emergency Medical technicians Paramedic examination.

Program Notes
This is a selective admissions program—students must be admitted into the program before taking EMS courses. See the selective admissions page for more information regarding admission, progression, and graduation.

- BIO 111 or equivalent (see selective admissions information regarding transferability from other colleges) is required prior to taking any EMS-Paramedic courses.
- To be admitted to the program, students must place into MAT 060 within the past two years, and place into ENG 101 and college level reading.
- TOEFL iBT requirements for reading, listening, speaking, and writing are as follows: 18-22-22-17.
- Students must pass EMS 110 and/or be licensed as an EMT in the state of Illinois.
- Students must have documentation of patient care experience in the role of EMT by submission of one of the following:
  - A letter from an EMS pre-hospital agency or the U.S. military of 300 hours of patient care contacts.
  - A letter from an EMS pre-hospital agency or the U.S. military of six months of full-time employment in the role of EMT.
  - A letter from an Emergency Department documenting employment as a patient care technician with 300 hours of patient care contact and /or full-time employment for 6 months.
- Students will be given a grade of incomplete in their final EMS class if the clinical requirements have not been met. After a period of six months if the student has not satisfactorily completed the required clinical hours, that grade will be changed to an F.

Suggested Part-time Sequence

SPRING	*SUMMER*	*FALL*	*SPRING*
1st Semester		*2nd Semester*	*3rd Semester*
BIO 111	EMS 113	EMS 114	EMS 115

Required Program Courses (25 hours)

EMS 113	Paramedic I	8
EMS 114	Paramedic II	8.5
EMS 115	Paramedic III	8.5

Other Required Course (4 hours)

BIO 111	Basic Anatomy and Physiology	4
Total Semester Credit Hours		*29*

Life Saving Skills Certificates

ADVANCED CARDIAC LIFE SUPPORT (ACLS)

Program Code: G.ACL.CER

Certificate

Minimum graduation requirement — 1 semester hour

The Advanced Cardiac Life Support certificate provides advanced training for the student who plans to work in the critical care area of cardiac life support and has completed the first year of a Health Professions program, has satisfied, or will have satisfied all other educational requirements for licensure prior to applying for this certificate.

Program Note

Meet with the course faculty to determine specific eligibility.

Required Program Course (1 hour)	**Cr. Hrs.**
LSS 211 Advanced Cardiac Life Support (ACLS)	1
Total Semester Credit Hours	*1*

APPLIED ELECTROCARDIOGRAPHY

Program Code: G.AKG.CER

Certificate

Minimum graduation requirement — 11 semester hours

The Applied Electrocardiography certificate provides training for the student who plans to work in an office that provides care to patients with cardiac diagnoses. Students must be enrolled in or have completed Medical Assisting certificate program, or have the permission of the faculty.

Program Note

Meet with the course faculty to determine specific eligibility.

Required Program Course (1 hour)	**Cr. Hrs.**
HCS 173 Applied Electrocardiography	1
Total Semester Credit Hours	*1*

DYSRHYTHMIA (EKG) CERTIFICATION

Program Code: G.EKG.CER

Certificate

Minimum graduation requirement — 3 semester hours

The Dysrhythmia (EKG) Certification Certificate provides advanced cardiac strip interpretation training for the student who plans to work in a cardiac or critical care area and will be responsible for cardiac strip interpretation and documentation. The student must have completed the first year of a Health Professions program, and has satisfied, or will have satisfied all other educational requirements for licensure prior to applying for this certificate.

Program Note

Meet with the course faculty to determine specific eligibility.

Required Program Course (1 credit)	**Cr. Hrs.**
LSS 210 Dysrhythmia (EKG) Certification	3
Total Semester Credit Hours	*3*

Massage Therapy

Health Career Admissions
Program Code: G.MSG.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Massage Therapy Degree Program trains students in basic therapeutic massage techniques to educate them about the human body and the physiological effects of massage on the body, to prepare them for their role in the health care community, and to promote professionalism, caring, high ethical conduct, and continuing education. This program is designed for part-time or full-time students to attend during the day or evenings and weekends.

Program Notes

- This is a selective admissions program—students must be admitted into the program before taking MSG courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- Placement into ENG 101 and college level reading is required for admission to the program. Students should see an academic advisor for guidance through the application process.
- TOEFL requirements in reading, listening, speaking, and writing are as follows: 15-15-18-15.
- BIO 111 online or hybrid courses are not accepted.
- A scoring rubric will be applied for all applicants, and the most qualified students will be admitted. Selection criteria include grade point average, certificate/degree completion, biology completion, and biology grade.

Graduation requirements are as follows:

- The ability to give an effective full body Swedish Massage in 60 minutes.
- Completion of 30 hours of massage clinicals.
- Meet all ethical and behavioral requirements of the Professional/ AMTA Code of Ethics and the program.

Suggested Sequence

SUMMER	*FALL*	*SPRING*
	1st semester	*2nd Semester*
BIO 111	MSG 111	MSG 113
	MSG 112	MSG 114
	MSG 119	MSG 131
	ENG 101	PSY 101

EARLY SUMMER	*SUMMER*	*FALL*	*SPRING*
		3rd semester	*4th semester*
MSG 115	MSG 117	HCS 150	KIN 181 *or*
	MSG 132	COM 120	186
		PSY 209	Electives
		Electives	

Required Program Courses (33 hours) . . . . . Cr. Hrs.

MSG 111	Introduction to Massage Therapy	1.5
MSG 112	Massage Therapy I	4
MSG 113	Pathology for Massage Therapists	3
MSG 114	Massage Therapy II	6.5
MSG 115	Business Practices and Ethics	3
MSG 117	Massage Therapy III	4
MSG 119	Musculoskeletal Anatomy for Massage Therapy	3
MSG 131	Clinical Practicum I	2
MSG 132	Clinical Practicum II	1
HCS 150	Complementary Alternative Therapies	3
KIN 181	Health Education	2
or KIN 186	Introduction to Human Movement	2

Other Required Course (4 hours)

BIO 111	Basic Anatomy and Physiology	4

Electives (choose 10 hours)

BIO104	Environmental Biology	4
BIO 120	Fundamentals of Nutrition	3
BUS 117	Introduction to Entrepreneurship	3
BUS 204	The Legal Environment of Business	3
COM 120	Interpersonal Communications	3
COM 121	Introduction to Advertising	3
COM 122	Introduction to Public Relations	3
HCS 154	Medical Terminology	3
KIN 181	Health Education	2
KIN 186	Introduction to Human Movement	2
MGT 101	Principles of Management	3
MGT 112	Human Resource Management	3
MGT 113	Human Relations in the Workplace	3
MSG 110	Careers in Massage Therapy	1
PSY 107	Human Sexuality	3
PSY 207	Introduction to Child Psychology	3
PSY 225	Death and Dying	3
SOC 101	Introduction to Sociology	3

Required General Education Core Courses (13 hours)

ENG 101	Composition I	3
COM 120	Interpersonal Communication	3
PSY 101	Introduction to Psychology	4
PSY 209	Life Span Psychology	3
Total Semester Credit Hours		*60*

Massage Therapy

Health Career Admissions
Program Code: G.MSG.CER

Certificate
Minimum graduation requirement — 39 semester hours

The Massage Therapy Certificate Program trains students in basic therapeutic massage techniques, to educate them about the human body and the physiological effects of massage on the body, to prepare them for their role in the health care community, and to promote professionalism, caring, high ethical conduct, and continuing education. This program is designed for part-time students to attend during the day or evenings and weekends.

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking MSG courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- Placement into ENG 101 and college level reading is required for admission to the program. Students should see an academic advisor for guidance through the application process.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 15-15-18-15.
- A scoring rubric will be applied for all applicants, and the most qualified students will be admitted. Selection criteria include grade point average, certificate/degree completion, biology completion, and biology grade.
- BIO 111 online or hybrid courses are not accepted.

Graduation requirements are as follows:

- The ability to give an effective full body Swedish Massage in 60 minutes.
- Completion of 30 hours of massage clinicals.
- Meet all ethical and behavioral requirements of the Professional/ AMTA Code of Ethics and the program.

Suggested Sequence

SUMMER	*FALL*	*SPRING*
	1st Semester	*2nd Semester*
BIO 111	MSG 111	MSG 113
	MSG 112	MSG 114
	MSG 119	MSG 131
	ENG 101	PSY 101

EARLY SUMMER	*SUMMER*
MSG 115	MSG 117
	MSG 132

Required Program Courses (28 hours) . . . . . Cr. Hrs.

MSG 111	Introduction to Massage Therapy	1.5
MSG 112	Massage Therapy I	4
MSG 113	Pathology for Massage Therapists	3
MSG 114	Massage Therapy II	6.5
MSG 115	Business Practices and Ethics	3
MSG 117	Massage Therapy III	4
MSG 119	Musculoskeletal Anatomy for Massage Therapy	3
MSG 131	Clinical Practicum I	2
MSG 132	Clinical Practicum II	1

Other Required Courses (4 hours)

BIO 111	Basic Anatomy and Physiology	4

Required General Education Core Courses (7 hours)

ENG 101	Composition I	3
PSY 101	Introduction to Psychology	4
Total Semester Credit Hours		*39*

Medical Assisting

Health Career Admissions
Program Code: G.MAS.CER

Certificate
Minimum graduation requirement — 24 semester hours

The Medical Assisting program prepares students to act as a liaison between the physician and the patient. Medical assistants are skilled healthcare workers who demonstrate their knowledge in both clinical and administrative areas. In the administrative area, typical tasks include medical records management, and patient scheduling. Clinical tasks include taking vital signs, EKGs, venipuncture, administering medications and immunizations, sterile instrumentation, and point of care testing. Medical assistants primarily work in outpatient settings but may work in hospitals, medical billing companies, or any place office skills and medical knowledge merge. The Medical Assisting Program is approved by the American Registry of Medical Assistants, www.arma-cert.org and the National Healthcareer Association, www.nhanow.com. Upon completion, students will be eligible to sit for the National Healthcareer Association (NHA) certification exam.

Program Notes

- This is a selective admissions program. Students are admitted in the fall semester only. See the selective admissions information page for information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 070, MAT 072, or MAT 080 within the past two years, and must place into ENG 101 and CCS 099.
- TOEFL iBT requirements for reading, listening, speaking, and writing are as follows: 18-18-22-20.
- A scoring rubric for admission into the program will be used that awards points for completion with a C or higher of each of the following courses: HCS 151, HCS 154, HCS 155, HCS 173, HCS 174, COM 103 or 120. Students should contact the program director for more information.
- Students must complete the program in four sequential semesters.
- To remain in the program and graduate, students must complete all required program courses with a C or higher in each course and maintain a 2.5 PGPA and follow all program ethical criteria as outlined in the student handbook, as well as all standards of conduct established by Parkland College and the clinical practice agency.

Suggested Full-time Sequence

1st Semester	*2nd Semester*	*3rd Semester*
MAS 116	MAS 156	MAS 170
MAS 135	MAS 158	HCS elec
HCS 154	HCS 151	
HCS 174	HCS 155	
COM 103 *or* COM 120	HCS 173	

Suggested Part-time Sequence

Before admission into the program

1st Semester	*2nd Semester*
HCS 154	HCS 151
HCS 174	HCS 155
COM 103 *or* COM 120	HCS 173

After admission into the program

1st Semester	*2nd Semester*	*3rd Semester*
MAS 116	MAS 156	MAS 170
MAS 135	MAS 158	HCS Elective

Required Program Courses (20 hours) **Cr. Hrs.**

HCS 151	Health Care Records Management	2
HCS 154	Medical Terminology	3
HCS 155	Pharmacology for Allied Health	1
HCS 173	Applied Electrocardiography	1
HCS 174	Legal Issues in Health Care	1
MAS 116	Point of Care Testing	1
MAS 135	Introduction to Medical Assisting	4
MAS 156	Aseptic Technique	2
MAS 158	Administration of Medication	2
MAS 170	Medical Assisting Practicum	3

Electives (1–4 hours)

HCS 136	Basic Topics in Healthcare	1–4
HCS 150	Complementary Alternative Therapies in Health Care I	3
HCS 153	Phlebotomy Skills	1
HCS 172	Special Project for Medical Assistants	1
HCS 236	Advanced Topics in Healthcare	1–4

Required General Education Core Courses (3 hours)

COM 103 *or* COM 120	Introduction to Public Speaking Interpersonal Communication	3
Total Semester Credit Hours		*24*

Medical Assisting: Career Advancement

Health Career Admissions
Program Code: G.CMA.CER

Certificate
Minimum graduation requirement — 4 semester hours

The Medical Assisting career advancement certificate program prepares students who are currently working in the medical assisting field. The courses are selected to meet specific employer needs in preparing experienced medical office assistants for national certification. A completion of 4–6 HCS credits are required to achieve the certificate. The Medical Assisting program is approved by the American Registry of Medical Assistants, www.arma-cert.org and the National Healthcareer Association, www.nhanow.com. Upon completion, students will be eligible to sit for the National Healthcareer Association (NHA) certification exam.

Program Notes

- Students must be currently employed as medical office assistants.
- Students must be recommended by their employer.
- Students must maintain the following for progression and graduation: a 2.5 PGPA and a grade of C or higher in all program courses.

Suggested Part-time Sequence

The sequence of courses will be determined based on request from the employer and semester section offerings.

Required Program Courses (choose at least 4 hours)		**Cr. Hrs.**
HCS 136	Basic Topics in Health Care	1–4
HCS 150	Complementary Alternative Therapies in Health Care I	3
HCS 153	Phlebotomy Skills	1
HCS 154	Medical Terminology	3
HCS 155	Pharmacology for Allied Health	1
MAS 156	Aseptic Technique	2
MAS 158	Administration of Medication	2
MAS 170	Medical Assisting Practicum	3
HCS 173	Applied Electrocardiography	1
HCS 174	Legal Issues in Health Care	1
HCS 236	Advanced Topics in Health Care	1–4
Total Semester Credit Hours		*4–6*

Medical Laboratory Technology

Program Code: G.MLT.CER
Minimum graduation requirement — 74 semester hours

The Medical Laboratory Technology Program is a sequence of courses and clinical practicum experiences that prepares students for technician positions in medical laboratories and related businesses and industries. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Working in cooperation with Kankakee Community College, students may complete the general education course work at Parkland College. Graduates of this program are eligible to take the national registry examination given by the American Society of Clinical Pathologists (ASCP) and other certifying agencies.

Medical Laboratory Technology graduates are prepared to enter medical technology/medical laboratory science bachelor's degree programs at selected state universities with junior status.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018, 773/714-8880.

Students must apply to and be accepted into the Medical Laboratory Technology program at Kankakee Community College. The MEDT courses from Kankakee will be offered in an online hybrid format with the exception of lab work. Students meet every two weeks.

For more information, call Parkland College, 217/353-2760, or Kankakee Community College, 815/802-8500, or email advising@kcc.edu.

Program Notes

- Students must maintain a C or higher in all courses.
- Students must have a physical exam, criminal background check without any disqualifying convictions, and a negative drug screen to enter this program.
- Please contact Glenda Forneris at 815/802-8835 or gforneris@kcc.edu.

Parkland College Course Work (35-39 hours)

BIO 101*	General Biology	4
BIO 123	Microbiology	4
CHE 101	General Chemistry I	5
CHE 102	General Chemistry II	5
ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 124	College Algebra	4
PSY 101	Introduction to Psychology	4
Humanities elective		3

**May substitute BIO 121 and BIO 122 for BIO 101*

Kankakee Community College Course Work (39 hours)

MEDT 1114	Urinalysis and Body Fluids	4
MEDT 1124	Hematology and Coagulation	4
MEDT 1415	Physiologic Systems	5
MEDT 2044	Clinical Microbiology	4
MEDT 2124	Serology and Blood Banking	4
MEDT 2214	Clinical Chemistry	4
MEDT 2316	Clinical Practicum I	6
MEDT 2326	Clinical Practicum II	6
MEDT 2462	Med Lab Tech Seminar	2
Total Semester Credit Hours		*74–78*

Nurse Assistant

Program Code: GNAS CER

The Basic Nursing Assistant Training Program prepares students to care for patients under the direct supervision of a licensed nurse in a long-term care facility, a hospital, assisted living facility, or in the home. The program is approved by the Illinois Department of Public Health, www.idph.state.il.us/nar/home.htm. After successful completion of the program, students are eligible to sit for the Illinois Nurse Assistant Certification exam.

Program Notes

To register for NAS 111, students must:

- Place into MAT 070, MAT 072, or MAT 080 within the past two years, and must place into ENG 099 and CCS 099.
- Meet TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 20-20-26-20.
- Present to the Health Professions office either a current American Heart Association Healthcare Provider CPR card or an American Red Cross Professional Rescuer CPR Card.
- Complete a Livescan fingerprint background check. Please refer to the application checklist on our website at www.parkland.edu/academics/departments/health/nurseasst.aspx for more information. For a list of disqualifying convictions and waiver information refer to www.idph.state.il.us/nar/home.htm

Before attending clinical and to remain in the program students must:

- Meet attendance requirements
- Meet all ethical and professional standards of the program, Parkland College, and the clinical agency
- Earn a 75% C or higher in lecture
- Pass the final exam
- Successfully complete all required lab skills
- Submit the proper documentation, which includes a current physical exam, current 2-step TB skin test or equivalent, and proof of immunizations. More detailed information is available on the Nurse Assistant website www.parkland.edu/academics/departments/health/nurseasst.aspx.
- Have a valid social security number to attend clinical and sit for the state exam.

Certificate		**Cr. Hrs.**
NAS 111	Basic Nursing Assistant Training Program	6
Total Semester Credit Hours		*6*

Nursing

Health Career Admissions
Program Code: G.NUR.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The Associate Degree Nursing Program prepares the student to practice nursing at a beginning level, such as a staff nurse position in health care facilities including hospitals, extended care facilities, clinics, and other community agencies. The program integrates practice and theory and is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404/975-5000.

Graduates are eligible to take the R.N. license examination (NCLEX-RN). Students considering application to the Nursing program need to be aware of background check and potential legal limitations.

Program Notes

- This is a selective admissions program—students must be admitted into the program before taking NUR courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 108 (or complete MAT 071, MAT 072, or MAT 086 with grade C or higher) within the past two years, and must place into ENG 101 and college level reading.
- A selective admissions score of 2.75 or above must be attained in order to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 20-22-26-20.
- Applicants to the program must take the Test of Essential Academic Skills (TEAS) in order to be considered for admission.
- Once admitted, students must complete the program and graduate within six semesters maximum.
- No more than 11 credit hours of NUR courses with a clinical component may be taken in any one semester (5 hours in summer).
- To remain in the program and graduate, students are required to keep a 2.5 minimum program GPA, attain a C or higher in all nursing program courses, successfully pass all clinical and lab requirements as specified in course syllabus and core competencies, complete the required ATI testing requirements as stated in each course syllabus, maintain Parkland College Code of Conduct, and the ANA Code of Ethics, and demonstrate Level 4 behavior and competencies as defined in the Core Clinical Competencies document in the program handbook.

CNA—Certified Nurse Aide Requirement

Students are required to complete the nurse assistant program, be certified, and be in good standing before they will be considered for admission to the ADN nursing program. Applicants must demonstrate placement on the Nurse Aide Registry within the past two years, or show evidence of working at least part-time during the past two years as a paid nurse aide at a state-approved agency.

Students may be enrolled in a nurse aide training program at the time of application to the nursing program and be "conditionally" accepted. They must pass their state exam on the first attempt at the first scheduled availability and be on the Illinois Health Care Worker Registry to remain in the program.

Suggested Full-time Sequence

1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
NUR 119	NUR 151	NUR 236	NUR 257
NUR 113	NUR 118	NUR 238	NUR 258
NUR 117	†BIO 122	NUR 255	NUR 215
NUR 114	†PSY 101	†BIO 123	†ENG 102
†BIO 121		†PSY 209	†SOC 101
†ENG 101			†Hum/FA elec

Suggested Part-time Sequence

Students wishing to pursue course work on a part-time basis should complete the courses marked with † before admission to the nursing program. See Program Notes for further explanation of requirements once admitted. Gen Ed and other non-NUR required courses can be taken prior to the semester recommended, but courses cannot be postponed past the semester scheduled in the full-time sequence.

Once the student is admitted to the nursing program, all courses in the first semester must be completed in order to progress to the second semester. The same is required for each subsequent semester.

Required Program Courses (37 hours)		**Cr. Hrs.**
NUR 113	Nursing Health Assessment	3
NUR 114	Fundamentals of Nursing	4
NUR 117	Introduction to Medication Principles for Nurses	1
NUR 118	Medical-Surgical Nursing I	5
NUR 119	Nursing as a Profession	1
NUR 151	Mental Health Nursing	4
NUR 236	Maternal Newborn Nursing	3
NUR 238	Pediatric Nursing	3
NUR 215	Leadership in Nursing	1
NUR 255	Medical-Surgical Nursing II	4
NUR 257	Community Health Nursing	3
NUR 258	Medical-Surgical Nursing III	5

Other Required Courses (12 hours)		
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (19 hours)		
ENG 101	Composition I	3
ENG 102	Composition II	3
PSY 101	Introduction to Psychology	4
PSY 209	Human Growth and Development	3
SOC 101	Introduction to Sociology	3
Humanities/Fine Arts elective		3
Total Semester Credit Hours		*68*

Nursing: LPN Advanced Placement (LPN to ADN Bridge)

Health Career Admissions
Program Code: G.NUR.AAS.BRDG

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 33 semester hours

The Associate Degree Nursing Program prepares the student to practice nursing at a beginning level, such as a staff nurse position in health care facilities including hospitals, extended care facilities, clinics, and other community agencies.The program integrates practice and theory and is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404/975-5000.

Graduates are eligible to take the RN license examination (NCLEX-RN). Students considering application to the Nursing program need to be aware of background check and potential legal limitations.

Program Notes

- The LPN to ADN Bridge Program operates when there are enough qualified candidates to offer the class. Otherwise students will need to complete the classes in the RN sequence. Applicants must be graduates of a state-approved Licensed Practical Nursing program with a license or be eligible for a license in the State of Illinois.
- This is a selective admissions program — students must follow all the rules for admission to the ADN program, and be admitted to the ADN program before taking any NUR classes. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program students must place into MAT 108 (or have passed MAT 071, MAT 072, or MAT 086 with a grade of C or higher within the past 2 years) and have completed ENG 101, PSY 101, BIO 121, and BIO 122 with a minimum of a C (BIO courses must be completed within 5 years).
- A selective admissions score of 2.75 or above must be attained in order to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 20-22-26-20.
- Applicants to the program must take the Test of Essential Academic Skills (TEAS) in order to be considered for admission.
- Once admitted, students must complete the program and graduate within a maximum of 4 semesters. At least one nursing course with a clinical component or lab must be taken each semester to remain in the program.
- To remain in the program and graduate, students are required to keep a C or higher in all courses required by the program, 2.5 minimum program GPA, and C or higher in all nursing program courses, successfully pass all clinical and lab requirements as specified in course syllabus and core competencies, and complete the required ATI testing requirements as stated in each course syllabus, maintain Parkland College Code of Conduct, the ANA Code of Ethics, and demonstrate Level 4 behavior and competencies as defined in the Core Clinical Competencies document in the program handbook.

Suggested Full-time Sequence

The following must be completed before admission:

BIO 121	BIO 122
ENG 101	PSY 101

Once admitted to the program:

1st Semester	*2nd Semester*	*3rd Semester*
NUR 151	NUR 255	NUR 257
NUR 210	BIO 123	NUR 258
	SOC 101	NUR 215
	PSY 209	ENG 102
		Hum/FA elec

Suggested Part-time Sequence

The following must be completed before admission:

BIO 121	BIO 122	BIO 123
ENG 101	ENG 102	SOC 101
PSY 101	PSY 209	Hum/FA elec

Once admitted to the program:

1st Semester	*2nd Semester*	*3rd Semester*
NUR 151	NUR 255	NUR 257
NUR 210		NUR 258
		NUR 215

Required Program Courses (20 hours)

NUR 151	Mental Health	4
NUR 210	LPN to Bridge	3
NUR 215	Leadership in Nursing	1
NUR 255	-Surgical Nursing II	4
NUR 257	Community Health Nursing	3
NUR 258	Medical –Surgical Nursing III	5

Other Required Courses (4 hours)

BIO 123	Microbiology	4

Required General Education Core Courses (9 hours)

ENG 102	Composition II	3
SOC 101	Introduction to Sociology	3
Humanities/Fine Arts elective		3
Total Semester Credit Hours		*33*

Nursing: Paramedic Advanced Placement (Paramedic to ADN Bridge)

Health Career Admissions
Program Code: G.NUR.AAS.BRDG

Associate in Applied Science (A .A .S .)
Minimum graduation requirement — 59 semester hours

The Associate Degree Nursing Program prepares the student to practice nursing at a beginning level, such as a staff nurse position in health care facilities including hospitals, extended care facilities, clinics, and other community agencies. The program integrates practice and theory and is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404/975-5000.

Graduates are eligible to take the RN license examination (NCLEX-RN). Students considering application to the Nursing Program need to be aware of background check and potential legal limitations.

Program Notes

- The Paramedic to ADN Bridge Program operates when there are enough qualified candidates to offer the classes. Otherwise students will need to complete the classes in the RN sequence. Applicants must be graduates of a state-approved EMS-Paramedic Program with a license or eligible for a license in the State of Illinois.
- This is a selective admissions program — students must follow all the rules for admission to the ADN program, and be admitted to the ADN program before taking any NUR classes. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program students must place into MAT 108 (or have passed MAT 086 or 071 with a grade of C or higher within the past 2 years) and have completed ENG 101, PSY 101, BIO 121, and BIO 122 with a minimum of a C (BIO courses must be completed within 5 years). A selective admissions score of 2.75 or above must be attained in order to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 20-22-26-20.
- Applicants to the program must take the Test of Essential Academic Skills (TEAS) in order to be considered for admission.
- Once admitted, students must complete the program and graduate within a maximum of 4 semesters. At least one nursing course with a clinical component or lab must be taken each semester to remain in the program.
- To remain in the program and graduate, students are required to keep a C or higher in all courses required by the program, 2.5 minimum program GPA, and C or higher in all nursing program courses, successfully pass all clinical and lab requirements as specified in course syllabus and core competencies, and complete the required ATI testing requirements as stated in each course syllabus, maintain Parkland College Code of Conduct, the ANA Code of Ethics, and demonstrate Level 4 behavior and competencies as defined in the Core Clinical Competencies document in the program handbook.

Suggested Full-time Sequence

The following must be completed before admission:

BIO 121	BIO 122
PSY 101	ENG 101
PSY 209	ENG 102

Once admitted to the program:

1st Semester	*2nd Semester*	*3rd Semester*
NUR 110	NUR 151	NUR 215
BIO 123	NUR 236	NUR 218
SOC 101	NUR 238	NUR 257
	Hum/FA elec	

Suggested Part-time Sequence

The following must be completed before admission:

BIO 121	BIO 122	ENG 101
PSY 101	BIO 123	ENG 102
PSY 209	SOC 101	Hum/FA elec

Once admitted to the program:

1st Semester	*2nd Semester*	*3rd Semester*
NUR 110	NUR 151	NUR 215
	NUR 236	NUR 218
	NUR 238	NUR 257

Required Program Courses (28 hours)

NUR 110	Paramedic to RN Bridge I	7
NUR 151	Mental Health	4
NUR 236	Maternal-Newborn Nursing	3
NUR 238	Pediatric Nursing	3
NUR 215	Leadership in Nursing	1
NUR 218	Paramedic to RN Bridge II	7
NUR 257	Community Health Nursing	3

Other Required Courses (12 hours)

BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (19 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
PSY 101	Introduction to Psychology	4
PSY 209	Human Growth and Development	3
SOC 101	Introduction to Sociology	3
Humanities/Fine Arts elective		3
Total Semester Credit Hours		*59*

Occupational Therapy Assistant

Health Career Admissions
Program Code: G.OTA.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 72 semester hours

The Occupational Therapy Assistant Program prepares the student to practice occupational therapy at the assistant level. OT assistants work with clients who have physical, cognitive, and emotional impairments to improve and support functional performance in daily living activities. Employment opportunities are located in hospitals, clinics, extended care facilities, school systems, day-care centers, and home health care. Upon successful completion of the program, graduates are eligible to take the certification examination given by the National Board for Certification in Occupational Therapy (NBCOT) to become a certified occupational therapy assistant (COTA). Licensure for COTAs is also required for practice by the state of Illinois. This program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association, Inc., 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449, 301/652-AOTA, www.acoteonline.org.

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking OTA courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 085 or MAT 098 (or complete MAT 071, MAT 081, or MAT 072 with a grade C or higher) within the past two years and must place into ENG 101 and college level reading.
- Prior to admission, students must complete KIN 186 or obtain permission from the program director to meet the prerequisite for OTA 112, a first semester course.
- A selective admission score of 2.3 or above must be attained to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 18-18-20-18.
- The OTA program uses a rubric with the selective admission score that gives additional admission points for completion of BIO 121.
- For progression and graduation, students are required to maintain a 2.0 minimum GPA, a C or higher in all program courses, and a passing clinical grade in all OTA courses, and maintain Parkland College Code of Conduct and the OT Code of Ethics.
- A history of felony conviction may limit clinical placement and license to practice. Contact the Illinois Department of Financial and Professional Regulation at 217/785-0800.
- All Level II fieldwork requirements for OTA 213 or OTA 217 must be completed by the end of the following semester in order to progress and/or graduate from the program. Fieldwork II alternates may be required to take OTA 213 and OTA 217 in a different sequence.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
OTA 111	OTA 113	OTA 211	OTA 215
OTA 112	OTA 114	OTA 212	OTA 216
BIO 121	OTA 115	OTA 213	OTA 217
PSY 101	BIO 122	OTA 214	OTA 218
SOC 101	ENG 101	ENG 102	Focus elec
	PSY 209		

Required Program Courses (45 hours)		**Cr. Hrs.**
OTA 111	Introduction to Occupational Therapy	3
OTA 112	Therapeutic Media (Fieldwork I Experience)	3
OTA 113	Health and Occupation I	3
OTA 114	Therapeutic Process I	3
OTA 115	Fieldwork I/Clinic II	4
OTA 211	Health and Occupation II	3
OTA 212	Therapeutic Process II	3
OTA 213	Fieldwork II/Clinic I	5
OTA 214	Occupational Therapy Theory	3
OTA 215	Health and Occupation III	3
OTA 216	Therapeutic Process III	3
OTA 217	Fieldwork II/Clinic II	6
OTA 218	Therapeutic Groups	3

Other Required Courses (8 hours)		
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4

Required General Education Core Courses (16 hours)		
ENG 101	Composition I	3
ENG 102	Composition II	3
PSY 101	Introduction to Psychology	4
PSY 209	Human Growth and Development	3
SOC 101	Introduction to Sociology	3

Concentration Electives

Choose one 3-hour course from the following

PSY 201	Psychology of Personality	3
PSY 203	Abnormal Psychology	3
PSY 207	Introduction to Child Psychology	3
PSY 208	Adolescent Psychology	3
PSY 223	Adult Development and Aging	3
SOC 102	Social Problems	3
SOC 202	Sociology of Deviant Behavior	3
SOC 203	Intergroup Relations in Diverse Societies	3
Total Semester Credit Hours		*72*

Practical Nursing

Health Career Admissions
Program Code: G.NUR.CER

Certificate
Minimum graduation requirement — 49 semester hours

The Practical Nursing Certificate Program prepares students for employment in patient centers and hospitals. Graduates are eligible to take the licensing examination for Licensed Practical Nurse (NCLEX-PN). This program is approved by the Illinois Department of Financial and Professional Regulation.

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking LPN courses. Please see the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 085 or MAT 098 (or complete MAT 071, MAT 072, or MAT 081 with a grade of C or higher) within the past two years, and must place into ENG 101 and college level reading (83 or above on ACT COMPASS exam).
- TOEFL iBT requirements for reading, listening, speaking, and writing are as follows: 20-20-26-20.
- For admission to the program students must have a minimum 2.5 GPA. Additional points are given for program GPA, number of program courses taken, and biology GPA. The number of times a student has withdrawn from a course may result in fewer points. Students should contact the practical nursing program director for more information.
- Applicants must be in good standing on the Illinois Department of Public Health Nurse Aide Registry. Applicants may be placed on the registry by:
  1. Passing the background check;
  2. Establishing eligibility to take the State CNA exam;
  3. Passing the State CNA exam.
- Eligibility to take the State CNA exam can be established in the following ways:
  1. Completion of an IDPH approved course; or
  2. Completion of comparable course work and 40 hours of supervised clinical in an accredited nursing program; or
  3. Completion of a U.S. Military certificate documenting comparable course work and 40 hours of supervised clinical experience.
- Applicants must demonstrate placement on the Nurse Aide Registry within the past two years, or show evidence of working at least part-time during the past two years as a paid nurse aide.
- To remain in the program and graduate, students are required to keep a C or higher in all program courses, maintain a 2.5 minimum program GPA, successfully pass and complete all clinical rotations in all nursing courses, maintain Parkland College Code of Conduct, and ANA Code of Ethics.
- Other courses that transfer towards Parkland's ADN: BIO 123, Hum/FA, ENG 102, SOC 101.

Suggested Full-time Sequence for fall admission

FALL	*SPRING*	*SUMMER*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
†BIO 121	†BIO 122	†ENG 101	LPN 131
LPN 111	DTP 120	LPN 130	LPN 132
LPN 114	LPN 118	†PSY 209	LPN 135
LPN 117			
†PSY 101			

Suggested Full-time Sequence for spring admission

SPRING	*SUMMER*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
†BIO 121	†BIO 122	LPN 118	LPN 130
LPN 111	†PSY 209	†DTP 120	LPN 131
LPN 114		†ENG 101	LPN 132
LPN 117			LPN 135
†PSY 101			

Suggested Part-time Sequence

Students wishing to pursue course work on a part-time basis are encouraged to complete the courses marked with † before admission.

Gen ed and other non-LPN required courses can be taken prior to the semester recommended, but courses cannot be postponed past the semester scheduled in the full-time sequence.

Once the student is admitted to the LPN program, all courses in the first semester must be taken and completed in order to progress to the second semester. The same is required for each subsequent semester.

Required Program Courses (28 hours)		**Cr. Hrs.**
LPN 111	Introduction to Nursing as a Profession	1
LPN 114	Nursing Fundamentals	6
LPN 117	Nursing Pharmacology	3
LPN 135	Nursing in Pediatrics and Obstetrics	6
LPN 118	Health Alterations I	5
LPN 130	Transition to Practice	1
LPN 131	Health Alterations II	5
LPN 132	NCLEX Preparation	1

Other Required Courses (11 hours)		
DTP 120	Nutrition and Diet Therapy	3
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4

Required General Education Core Courses (10 hours)		
ENG 101	Composition I	3
PSY 101	Introduction to Psychology	4
PSY 209	Human Growth and Development	3
Total Semester Credit Hours		*49*

Radiologic Technology

Health Career Admissions
Program Code: G.XRA.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

The Radiologic Technology Program prepares students to take the national examination for the American Registry of Radiologic Technologists (ARRT). The radiographer performs diagnostic procedures using an X-ray machine to take images of the internal parts of the patient's body.

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking XRA courses. See a counselor/advisor or the health professions vice chair, student affairs to advise you through the application process. See the selective admissions page for more information regarding admission, progression, and graduation.
- Completion of XRA150, Introduction to Radiology, is strongly recommended prior to program admission. This is an open enrollment course that may be taken prior to program acceptance.
- To be admitted to the program, students must place into MAT 085 or 098 (or complete MAT 071, MAT 072, or MAT 081 with grade C or higher) within the past two years, and must place into ENG 101 and college level reading (83 or above on ACT COMPASS exam).
- A selective admission score of 2.75 or above must be attained to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, writing are as follows: 18-18-26-17.
- A scoring rubric will be applied for students who have successfully completed BIO 121, BIO 122, and PHY 112 with a B or higher, and will result in a higher score for students who have taken these courses in advance.
- Students are required to keep a current healthcare provider CPR card while enrolled in the program.
- To remain in the program and graduate, students are required to maintain a minimum of 2.0 PGPA (75% or higher) for all XRA didactic and clinical courses and a C or higher in all program courses. Students must successfully pass all clinical and lab requirements as specified in course syllabi and complete the ARRT competency requirements prior to graduation. Students must adhere to all ethical and professional standards and behaviors as outlined in the ARRT Code of Ethics, Parkland College Code of Conduct, and Student Success Manual.

Suggested Full-time Sequence

SUMMER	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*
HCS 119	XRA 111	XRA 112
	XRA 114	XRA 132
	XRA 131	BIO 122
	BIO 121	PHY 112
	HCS 216	ENG 101

SUMMER	*FALL*	*SPRING*
4th Semester	*5th Semester*	*6th Semester*
XRA 231	XRA 213	XCT 212
Soc/Beh Sci *or* Hum/FA elec	XRA 214	XRA 216
	XRA 232	XRA 217
	ENG 102	XRA 233
	XCT 210	Soc/Beh Sci *or* Hum/FA elec

Required Program Courses (42 hours)		**Cr. Hrs.**
XRA 111	Radiologic Technology I	3
XRA 112	Radiologic Technology II	3
XRA 114	Basic Clinical Skills	3
XRA 131	Clinical I	3
XRA 132	Clinical II	4
XCT 210	Computed Tomography Imaging	3
XCT 212	Sectional Pathology	3
XRA 213	Radiographer's Physics	3
XRA 214	Advanced Radiologic Technology I	3
XRA 216	Advanced Radiologic Technology III	3
XRA 217	Advanced Clinical Skills	1
XRA 231	Clinical III	2
XRA 232	Clinical IV	4
XRA 233	Clinical V	4

Other Required Courses (11 hours)

BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
HCS 119	Job Shadowing	2
HCS 216	Career Program Medical Terminology	1

Required General Education Core Courses (15–17 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
PHY 112	Applied Physics: Heat and Electricity	3
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6–8

PSY 101 or SOC 101 is recommended.

Total Semester Credit Hours *68–70*

Radiologic Technology: Computed Tomography

Health Career Admissions
Program Code: G.XCT.CER

Certificate Program
Minimum graduation requirements — 12 semester hours

The Computed Tomography Certificate Program offers advanced training for radiologic technologists. Upon completion of the certificate, graduates will be prepared to take the national ARRT certification exam.

Program Notes

- This is a selective admissions program — applicants must be ARRT certified in Radiologic Technology. Contact Kim Mills at kmills@parkland.edu for more information regarding admission, progression, and graduation.
- Clinical sites must be approved before enrolling in XCT 215. Clinical sites must be Joint Commission accredited and the clinical mentor must be an ARRT certified technologist in CT.
- XCT 212 and XCT 214 qualify for both CT and MRI certificates. Students taking those courses for the CT certificate who then pursue the MRI certificate within five years will not need to repeat the courses.
- Students are required to keep a 2.0 minimum GPA and a C or higher in all XCT courses.
- XCT 210, XCT 212, and XCT 214 are 8-week accelerated online courses.

Suggested Sequence

SUMMER	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*
XCT 215	XCT 210	XCT 212 (first 8 weeks)
		XCT 214 (second 8 weeks)

Required Program Courses		Cr. Hrs.
XCT 210	CT Imaging	3
XCT 212	Sectional Pathology	3
XCT 214	Patient Care	3
XCT 215	CT Clinical	3
Total Semester Credit Hours		*12*

Radiologic Technology: Magnetic Resonance Imaging

Health Career Admissions
Program Code: G.XMR.CER

Certificate Program
Minimum graduation requirements — 15 semester hours

The Magnetic Resonance Imaging Certificate Program offers advanced training for radiologic technologists. Upon completion of the certificate, graduates will be prepared to take the national ARRT certification exam.

Program Notes

- This is a selective admissions program — applicants must be ARRT certified in Radiologic Technology. Contact Kim Mills at kmills@parkland.edu for more information regarding admission, progression, and graduation.
- Clinical sites must be approved before enrolling into XMR 217. Clinical sites must be Joint Commission accredited and the clinical mentor must be an ARRT certified technologist in MRI.
- XCT 212 and XCT 214 qualify for both CT and MRI certificates. Students taking those courses for the MRI certificate who then pursue the CT certificate within five years will not need to repeat the courses.
- Students are required to keep a 2.0 minimum GPA and a C or higher in all XMR and XCT courses.
- XMR 211, XCT 212, and XCT 214 are 8-week accelerated online courses.

Suggested Sequence

SUMMER	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*
XMR 211	XMR 217	XCT 212 (first 8 weeks)
		XCT 214 (second 8 weeks)

Required Program Courses		Cr. Hrs.
XMR 211	Magnetic Resonance Imaging	3
XCT 212	Sectional Pathology	3
XCT 214	Patient Care	3
XMR 217	MRI Clinical	6
Total Semester Credit Hours		*15*

Respiratory Care

Health Career Admissions
Program Code: G.RTT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 69 semester hours

The Respiratory Care Program prepares students to enter into the practice of respiratory therapy. A Respiratory Care Practitioner (RCP) will assist in the diagnosis and treatment of patients with chronic respiratory disease or acute respiratory compromise due to illness or injury. Most respiratory therapists are employed in acute care hospital settings. Long-term ventilator facilities, home care, and outpatient diagnostic laboratories offer other opportunities. This program is accredited by the Commission on Accreditation for Respiratory Care. Upon successful completion of the program, graduates are eligible to complete the National Board for Respiratory Care exams for the Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT) credential. Practice requires state licensure in every state except Alaska.

Program Notes

- This is a selective admissions program — students must be admitted to the program before taking RTT courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 085 or MAT 098 (or complete MAT 071, MAT 072, or MAT 081 with grade C or higher) within the past two years, and must place into ENG 101 and college level reading.
- A selective admission score of 2.2 or above must be attained to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 18-20-26-21.
- For progression and graduation, students are required to maintain a grade of C (75%) or higher in all program courses, maintain a 2.2 minimum PGPA, and must adhere to the Parkland College Code of Conduct and the AARC Statement of Ethics and Professional conduct. Students are also required to pass both the classroom and skills lab portions to pass a course.
- Clinical rotations may be denied if seasonal flu vaccine is refused.
- Students transferring in BIO 121 and BIO 122 credit that does not include a cadaver lab must take BIO 162 and BIO 163. Parkland accepts the equivalent BIO courses from students transferring from Heartland Community College, Lake Land College, Danville Area Community College, and Richland College.
- Nontraditional schedules are required to complete some clinical and professional assignments. Clinical assignments are made by program faculty based on clinical site availability and the need to balance patient case mix with the CoARC requirements for clinical education. Students may be required to travel up to 100 miles from the Parkland campus.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
RTT 130	RTT 133	RTT 136
RTT 131	RTT 134	RTT 137
RTT 132	RTT 135	
BIO 121	RTT 151	
	BIO 122	
	ENG 101	

FALL	*SPRING*
3rd Semester	*4th Semester*
RTT 212	RTT 214
RTT 213	RTT 217
RTT 215	PSY 101
BIO 123	Soc/Beh Sci or
ENG 102	Hum/FA elec
	PHI 100

Required Program Courses (41 hours)		**Cr. Hrs.**
RTT 130	Respiratory Therapy I	4
RTT 131	Respiratory Science	3
RTT 132	Respiratory Therapy II	4
RTT 133	Clinical Practicum I	1
RTT 134	Respiratory Therapy III	4
RTT 135	Respiratory Therapy IV	4
RTT 136	Clinical Practicum II	1.5
RTT 137	Advanced Ventilation	3
RTT 151	Respiratory Therapy V	3
RTT 212	Clinical Practicum III	2.5
RTT 213	Respiratory Therapy VI	3
RTT 214	Clinical Practicum IV	2
RTT 215	Respiratory Therapy VII	3
RTT 217	Respiratory Therapy VIII	3

Other Required Courses (12 hours)		
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (16 hours)		
ENG 101	Composition I	3
ENG 102	Composition II	3
PHI 100	Introduction to Logic and Critical Thinking	3
PSY 101	Introduction to Psychology	4
Social/Behavioral Sciences *or* Humanities/Fine Arts elective		3
Total Semester Credit Hours		*69*

Surgical Technology

Health Career Admissions
Program Code: G.SUR.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 67.5 semester hours

The Surgical Technology Associate Degree Program prepares students with the technical expertise necessary to perform as vital members of the surgical team.Surgical technologists work in a fast-paced environment requiring physical stamina, critical thinking, technical skills, and professionalism. The A.A.S. is the recommended level of entry credential for the surgical technologist. Theory and clinical experience in area health agencies are included in the program. This surgical technology program is in the continuing accreditation cycle and accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP), www.CAAHEP.org.

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking SUR courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 070 , MAT 072, or MAT 080 within the past two years, and must place into ENG 101 and college level reading.
- A selective admission score of 2.30 or above must be attained to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 22-22-17-16.
- A scoring rubric will be used for placement in the program, awarding additional scoring points for students who have successfully completed BIO 121, BIO 122, or BIO 123.
- FAST-TRACK option: students that have completed the BIO courses and general education courses required for the surgical technology A.A.S. may be eligible to be admitted as second-year SUR students. Contact the Surgical Technology program director.
- To remain in the program and graduate students are required to maintain the following:
  - Minimum 2.0 PGPA and a C or higher for all program courses, and pass all clinical and didactic courses with a 75% or higher.
  - Minimum of 120 surgical cases scrubbed with 80 in the first scrub role.
  - Adherence to the Parkland College Code of Conduct, the Surgical Technology Program Code of Ethics, and demonstrate professionalism and behaviors as defined in program handbook and syllabi.
  - To graduate, students must complete the National Board for Surgical Technology and Surgical Assisting (NBSTSA) national certification exam administered annually on campus.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
SUR 116	SUR 150	BIO 123
BIO 121	BIO 122	
ENG 101	ENG 102	
PSY 101	SUR 158	
Gen Ed elective	Hum/FA *or* Soc/ Beh Sci elective	

FALL	*SPRING*	*SUMMER*
3rd Semester	*4th Semester*	
SUR 210	SUR 254	SUR 275
SUR 218	SUR 259	
SUR 231	SUR 273	
SUR 232	SUR 274	
SUR 238		
SUR 239		

Required Program Courses (39.5 hours)		**Cr. Hrs.**
SUR 116	Surgical Terminology I	1
SUR 150	Personal and Professional Relations	1
SUR 158	Pharmacology for the Surgical Technologist	1
SUR 210	Surgical Specialties I	4
SUR 218	Surgical Instrumentation I	1
SUR 231	Clinical Theory I	5
SUR 232	Clinical Practicum I	4.5
SUR 238	Mock Operating Room Lab I	0.5
SUR 239	Mock Operating Room Lab II	0.5
SUR 254	Surgical Specialties II	3
SUR 259	Surgical Terminology and Instrumentation II	1
SUR 273	Clinical Theory II	2
SUR 274	Clinical Practicum II	10
SUR 275	Clinical Practicum III	5

Other Required Courses (12 hours)

BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (16 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
PSY 101	Introduction to Psychology	4
Humanities/Fine Arts *or* Social/Behavioral Sciences elective PSY 209, SOC 101, or PHI 105 are recommended.		3
General Education elective. BIO 225 is recommended.		3
Total Semester Credit Hours		*67.5*

Surgical Technology

Health Career Admissions
Program Code: G.SUR.CER

Certificate
Minimum graduation requirement — 54.5 semester hours

The Surgical Technology Program prepares students with the technical expertise necessary to perform as vital members of the surgical team. Surgical technologists work in a fast-paced environment requiring physical stamina, critical thinking, technical skills, and professionalism. A.A.S. is the recommended level of entry credential for the surgical technologist. Theory and clinical practice in area health agencies are included in the program. This surgical technology program is in the continuing accreditation cycle and accredited by the Commission on Accreditation of Allied Health Education Programs, www.CAAHEP.org.

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking SUR courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 070, MAT 072, or MAT 080 within the past two years, and must place into ENG 101 and college level reading.
- A selective admission score of 2.30 or above must be attained to be considered for admission.
- TOEFL iBT requirements in reading, listening, speaking, and writing are as follows: 22-22-17-16.
- A scoring rubric will be used for placement in the program, awarding additional scoring points for students who have successfully completed BIO 121, BIO 122, or BIO 123.
- FAST-TRACK option: students that have completed the BIO courses and general education courses required for the surgical technology A.A.S. may be eligible to be admitted as second-year SUR students. Contact the Surgical Technology program director.
- To remain in the program and graduate students are required to maintain the following:
  - Minimum 2.0 PGPA and a C or higher for all program courses, and pass all clinical and didactic courses with a 75% or higher.
  - Minimum of 120 surgical cases scrubbed with 80 in the first scrub role.
  - Adherence to the Parkland College Code of Conduct, the Surgical Technology Program Code of Ethics, and demonstrate professionalism and behaviors as defined in program handbook and syllabi.
  - To graduate, students must complete the National Board for Surgical Technology and Surgical Assisting (NBSTSA) national certification exam administered annually on campus.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
SUR 116	SUR 150
BIO 121	BIO 122
ENG 101	BIO 123
	SUR 158

FALL	*SPRING*	*SUMMER*
3rd Semester	*4th Semester*	
SUR 210	SUR 254	SUR 275
SUR 218	SUR 259	
SUR 231	SUR 273	
SUR 232	SUR 274	
SUR 238		
SUR 239		

Required Program Courses (39.5 hours)		**Cr. Hrs.**
SUR 116	Surgical Terminology I	1
SUR 150	Personal and Professional Relations	1
SUR 158	Pharmacology for the Surgical Technologist	1
SUR 210	Surgical Specialties I	4
SUR 218	Surgical Instrumentation I	1
SUR 231	Clinical Theory I	5
SUR 232	Clinical Practicum I	4.5
SUR 238	Mock Operating Room Lab I	0.5
SUR 239	Mock Operating Room Lab II	0.5
SUR 254	Surgical Specialties II	3
SUR 259	Surgical Terminology and Instrumentation II	1
SUR 273	Clinical Theory II	2
SUR 274	Clinical Practicum II	10
SUR 275	Clinical Practicum III	5

Other Required Courses (12 hours)		
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*54.5*

Veterinary Technology

Health Career Admissions
Program Code: G.VTT.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 68 semester hours

Veterinary technicians assist the veterinarian in clinical laboratory testing, X-ray procedures, pharmacy duties, anesthesia and surgery support, client information, patient treatments, record keeping, and office procedures. This program is accredited by the Committee on Veterinary Technician Education and Activities of the American Veterinary Medical Association (AVMA).

Program Notes

- This is a selective admissions program — students must be admitted into the program before taking VTT courses. See the selective admissions page for more information regarding admission, progression, and graduation.
- To be admitted to the program, students must place into MAT 070, MAT 072, or MAT 080 within the past two years, and must place into ENG 101 and college level reading.
- A selective admission score of 2.30 or above must be attained to be considered for admission.
- TOEFL iBT scores in reading, listening, speaking, and writing are as follows: 15-20-22-22.
- A scoring rubric will be used for placement in the program, awarding additional scoring points for students who have successfully completed BIO 121 and BIO 122.
- Additional points will be awarded to students with veterinary care work experience and will result in a higher score.
- All students are required to take the rabies pre-exposure vaccination. The approximate cost of the vaccine series is $700. The cost for required equipment is $250.
- For progression and graduation, students are required to maintain 2.0 minimum GPA and a C (76%) or higher in all program courses, pass all skills requirements, and meet all the ethical and behavioral requirements of the profession and Parkland College.
- Students taking BIO 121 and BIO 122 before being admitted to the program will be required to take BIO 160 and BIO 161.

* Students beginning this program in the 2015–16 catalog year will take the three credit hour versions of VTT 117 and VTT 212. Students who started the program prior to this catalog will take the two credit hour versions.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
VTT 110	VTT 111	VTT 118
VTT 113	VTT 112	
VTT 114	VTT 115	
VTT 116	VTT 117	
VTT 119	BIO 122	
BIO 121		
MAT 151		

FALL	*SPRING*
3rd Semester	*4th Semester*
VTT 210	VTT 211
VTT 212	VTT 213
VTT 214	VTT 215
BIO 123	ENG 102
ENG 101	Soc/Beh Sci *or* Hum/FA elecs

Required Program Courses (42 hours)		**Cr. Hrs.**
VTT 110	Small Animal Nursing I	3
VTT 111	Small Animal Nursing II	3
VTT 112	Radiography	3
VTT 113	Management Skills for the Veterinary Technician	2
VTT 114	Clinical Lab I	2
VTT 115	Clinical Lab II	2
VTT 116	Large Animal Nursing	2
VTT 117*	Surgery Technology I	3
VTT 118	Veterinary Clinical Practicum	3
VTT 119	Common Veterinary Drugs I	1
VTT 210	Clinic Care I	4
VTT 211	Clinic Care II	4
VTT 212*	Surgery Technology II	3
VTT 213	Animal Management	4
VTT 214	Laboratory Animals	2
VTT 215	Common Veterinary Drugs II	1

Other Required Courses (12 hours)		
BIO 121	Anatomy and Physiology I	4
BIO 122	Anatomy and Physiology II	4
BIO 123	Microbiology	4

Required General Education Core Courses (14–15 hours)		
ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 151	Mathematics for Health Careers	2
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		6–7
Total Semester Credit Hours		*68–69*

Humanities

C-wing • 217/351-2217 • www.parkland.edu/humanities
Wendy Patriquin, department chair
Sean Dannenfeldt, operations manager
Li Barbee, administrative assistant

Success in college and the workplace requires competency in English, with strong reading, writing, and critical thinking skills. Humanities offers courses that give students this vital liberal arts foundation: composition, reading, religion, philosophy, literature, humanities, foreign languages, and more. It provides these learning opportunities at varying skill levels, from courses in developmental English and English as a Second Language (ESL) to Honors Program classes.

ASSOCIATE DEGREE PROGRAMS

A.A. Degree (Transfer) with Concentrations in:

English (Literature)

Program Code: H.ENG.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

To transfer as a junior into a baccalaureate English program, students must complete a minimum of 60 semester credits. Freshmen and sophomores who plan to major in English are encouraged to fulfill general education re-quirements with foundation courses in the sciences (e.g., biology, chemistry, physics, and anatomy and physiology)and mathematics. Students are strongly encouraged tocomplete an A.A. degree prior to transfer. Since bacca-laureate program admission is competitive, completion of the recommended courses and the Parkland degreedo not guarantee admission.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I. 3
- ENG 102 Composition II 3

Social/Behavioral Sciences 9
- Choose from two or more subject areas.

Humanities elective 3
- Literature elective 3

Fine Arts elective 3
- One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required English Core Courses (6 hours)

Choose any two literature or creative writing courses in addition to the literature elective. Requirements for the English major vary widely from one institution to another, with some programs requiring or including new courses at the lower-division level. If a particular program does not offer a course, or does not offer it at the lower-division level, the transfer student will receive credit toward graduation for the course, but the credits may not apply toward the number of cred-its required in the major. Upon transfer to a baccalaureate institution, students may expect 3 to 9 semester credits to be applied to a major in English.

The courses below are those most likely to be accepted as major courses in baccalaureate English programs. Students are encouraged to keep course syllabi and a writing portfolio to assist in articulating courses not included below and for outcomes assessment in the major.

Common survey courses:
LIT 201 English Literature I
LIT 202 English Literature II
LIT 204 American Literature I
LIT 205 American Literature II

Common genre courses:
LIT 121 Introduction to Poetry
LIT 126 Introduction to Drama
LIT 127 Introduction to Fiction

A few universities require a multicultural or human diversity course within the English major. Universities with such a requirement may accept:
LIT 141 Introduction to African-American Literature
LIT 146 Introduction to Non-Western Literature
LIT 147 Introduction to African Literature
LIT 148 Introduction to Latin American Literature

A few universities offer a specialization in creative writing. Universities offering the creative writing specialization will accept one of the following courses in the creative writ-ing specialization only:
ENG 161 Creative Writing I — Fiction
ENG 162 Creative Writing I — Poetry
ENG 261 Creative Writing II — Fiction
ENG 262 Creative Writing II — Poetry

A.A. Degree Requirement (3 hours)
LAS 189 Introduction to the Liberal Arts and Sciences. 3

General Electives (13 hours)
General electives 13

Total Semester Credit Hours *60*

Liberal Arts and Sciences

Program Code: H.LAS.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

The Liberal Arts and Sciences transfer area provides students with the broad educational experience and background necessary to pursue a bachelor's degree at a four-year institution as well as to enter almost any profession or career. Emphasis in the first two years is on gaining reading, writing, speaking, and problem-solving skills in humanities, sciences, social sciences, and mathematics.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend. Refer to the general course requirements on p. 74 and to the following suggested sequence of courses as a guide to completing an Associate in Arts degree.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
COM 103	ENG 102
ENG 101	Soc/Beh Sci elec
Hum/FA elec	Hum/FA elec
Lang/Gen elec	Lang/Gen elec
Concentration	Concentration

FALL	*SPRING*
3rd Semester	*4th Semester*
LAS 189	Concentration
Math elec	Phys/LS elec
Phys/LS elec	Soc/Beh Sci elec
Gen elec	Hum/FA elec
Soc/Beh Sci elec	Gen elec

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
Choose from two or more subject areas.

Humanities elective 3
Fine Arts elective 3
Humanities *or* Fine Arts elective 3
One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Recommended Area of Concentration or Major Courses* (9–12 hours) 9–12
Students are advised to follow the framework provided below or by selecting courses in the same discipline.

A.A. Degree Requirement (3 hours)
LAS 189 Introduction to the Liberal Arts and Sciences 3

Language or General Electives (10 hours)
Language or General electives 10

Total Semester Credit Hours *60*

Concentration/Major Courses*
Students should take three courses in the same discipline (same or related course prefix).

African Studies . . . . . HUM 105, HIS 129, LIT 147
African American Studies . . HIS 120-121, LIT 141
American Studies . . . . . Any three of the following: HIS 104-105, HIS 120-121, LIT 141, LIT 204-205, MUS 123, POS 120, POS 122, POS 124
Anthropology . . . . . ANT 101, ANT 105, ANT 200
Economics . . . . . ECO 101-102, any transfer ACC, BUS, MGT, or MKT course
French . . . . . FRE 101-104
Geography . . . . . GEO 140, GEO 143, ESC 101, ESC102
German . . . . . GER 101-104
International Studies . . . . . Three of the following, chosen from at least two subject areas: GEO 140, GEO 143, HIS 101, HIS 102, HIS 125, HIS 128, HIS 129, HIS 140, HUM 101, HUM 102, HUM 103, HUM 104, HUM 105, HUM 106, LIT 146, LIT 147, LIT 148, POS 202
Japanese . . . . . JPN 101-104
Philosophy . . . . . PHI 100, PHI 103, PHI 105
Religion . . . . . Any three REL courses
Russian . . . . . RUS 101-104
Spanish . . . . . SPA 101-104
Women's Studies . . . . . Any three of the following: HIS 203, HUM 121, LIT 142, PSY 224

Mathematics

M-wing • 217/351-2225 • www.parkland.edu/math
Geoffrey Griffiths, department chair
Gwen Smith, administrative assistant

Most careers today require a solid background in math. Employers want workers with varying degrees of mathematic ability for the fields of business (accountants, cashiers, real estate agents), medicine and science (pharmacists, physicians, engineers), technology (architects, auto service technicians, programmers), human services (psychologists, educators, EMTs), and others. Parkland is committed to helping its students select the math courses most appropriate to its wide and varied career offerings, and can assist those without college-level math skills through developmental courses.

The Associate in Science degree program in mathematics emphasizes scientific and theoretical applications and is designed for students who intend to transfer to a four-year institution to pursue a bachelor's degree in mathematics or science.

ASSOCIATE DEGREE PROGRAM

A.S. Degree (Transfer) with a Concentration in:

Mathematics

Program Code: M.MAT.AS

Associate in Science (A.S.)
Minimum graduation requirement — 60 semester hours

The following curriculum emphasizes scientific and theoretical applications and is designed for students interested in transferring to a four-year institution to pursue a bachelor's degree in computer science or mathematics.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Program Note*
MAT 124 and MAT 125 are prerequisites for MAT 128.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
MAT 128	MAT 129
ENG 101	COM 103
Soc/Beh Sci elec	ENG 102
Hum/FA elec	Soc/Beh Sci elec
	Hum/FA elec

FALL	*SPRING*
3rd Semester	*4th Semester*
MAT 228	MAT 229
CSC 123 *or* Gen elec	MAT 220
Phys/LS elec	
Soc/Beh Sci elec	

Required General Education Core Courses (40 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Sciences electives 9
Choose from two or more subject areas.

Humanities elective 3
Fine Arts elective 3
Humanities or Fine Arts elective 3
One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.

MAT 128* Calculus and Analytic Geometry I 5
Physical Science elective 4
Life Science elective 4

Required Program Courses (20 hours)

CSC 123 Computer Science I
or General elective 4
MAT 129 Calculus and Analytic Geometry II 4
MAT 220 Linear Algebra 3
MAT 228 Calculus and Analytic Geometry III 4
MAT 229 Differential Equations and Introductory Matrix Theory 5

Total Semester Credit Hours *60*

Natural Sciences

L-wing • 217/351-2285 • www.parkland.edu/ns

Scott Siechen, department chair

Karen Rocha, administrative assistant

The Natural Sciences department educates students and the public about the nature and practice of science. Courses are offered on chemistry, physics, astronomy, meteorology, geology, biology, evolution, environmental biology, microbiology, kinesiology, forensic science, and human anatomy and physiology. Many courses are offered entirely or partly online. All of these disciplines address the increasingly important issues of scientific literacy and how science relates to our society.

Besides serving students in preparatory, career, and transfer level courses, the Natural Sciences department also takes an active role in community activities and programs by hosting the regional Science Olympiad competition for central Illinois middle and high school students, and offering noncredit courses through Parkland's Community Education department. The Natural Sciences department produces the Parkland television channel's Surrounded by Science series and sponsors the monthly World of Science Lecture series held at the Staerkel Planetarium. The department includes the Parkland Fitness Center and the William M. Staerkel Planetarium (second largest in the state), both of which are used by community members as well as Parkland students.

ASSOCIATE DEGREE PROGRAM

A.S. Degree (Transfer) with Concentrations in:

CERTIFICATE PROGRAMS

Biological Sciences/Pre-Baccalaureate Nursing

Program Codes:
N.LSC.AS Biological Sciences
N.ASG.AS.NRG BSN Nursing

Associate in Science (A.S.)
Minimum graduation requirement — 60 semester hours

The Biological Sciences/Pre-baccalaureate Nursing transfer areas are designed for students interested in pursuing a bachelor's degree in one of the various biological sciences or professional health careers.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Program Notes*

Biological Sciences (66 hours):
- may substitute PHY 121 for CHE 203 and 204
- may substitute PHY 122 for CHE 205 and 206

Pre-Baccalaureate Nursing (60 hours):
- may substitute CHE 106 for CHE 101 and CHE 107 for CHE 102
- CHE 203 and CHE 204 are not required but highly recommended, must fulfill CHE 101 and CHE 102 prerequisite to enroll
- PHI 100 and either PHI 105 or PHI 108 required to fulfill Humanities electives
- SOC 101 and PSY 101 required to fulfill Social/Behavioral Sciences electives

Students interested in other preprofessional medical sciences should follow the biological science requirements with the following notes and exceptions and should consult the four-year college or university they plan at attend.

Pre-Dentistry
- may substitute PHY 121 for CHE 203 and CHE 204 and PHY 122 for CHE 205 and CHE 206
- MAT 128 and MAT 160 not required
- 3 hours of math electives required

Pre-Medicine and Pre-Veterinary Medicine:
- BIO 121 required
- MAT 160 not required
- may substitute PHY 121 for CHE 203 and CHE 204 and PHY 122 for CHE 205 and CHE 206

Pre-Pharmacy:
- BIO 121 and BIO 122 required
- students who have taken BIO 141 and BIO 142 may take BIO 162 and BIO 122 to satisfy their anatomy and physiology requirements
- BIO 123 required
- MAT 160 not required
- PHY 121 and PHY 122 not required but highly recommended

Pre-Physical Therapy:
- BIO 121 and BIO 122 required
- students who have taken BIO 141 and BIO 142 may take BIO 162 and BIO 122 to satisfy their anatomy and physiology requirements
- CHE 203, CHE 204, CHE 205, CHE 206 not required

Clinical Laboratory Science:
- BIO 123 required
- MAT 128 not required
- PHY 121 not required but highly recommended

Biological Sciences
Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
BIO 141	BIO 142
CHE 101	CHE 102
ENG 101	ENG 102
Hum/FA elec	Soc/Beh Sci elec

FALL	*SPRING*
3rd Semester	*4th Semester*
MAT 128	PHY 122/CHE 205 and 206
PHY 121/CHE 203 and 204	Hum/FA elec
Hum/FA elec	Soc/Beh Sci elec
Soc/Beh Sci elec	MAT 160
	COM 103

Pre-Baccalaureate Nursing
Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
BIO 121	BIO 122
CHE 101 /CHE 106	CHE 102 /CHE 107
ENG 101	ENG 102
Hum/FA elec	Soc/Beh Sci elec

FALL	*SPRING*
3rd Semester	*4th Semester*
BIO 123	COM 103
CHE 203 and 204	Hum/FA elec
MAT 108	Soc/Beh Sci elec
Hum/FA elec	Gen elec
Soc/Beh Sci elec	
Gen elec	

		Biological Sciences	Pre-Baccalaureate Nursing
BIO 121	Anatomy and Physiology I		4
BIO 122	Anatomy and Physiology II		4
BIO 123	Microbiology		4
BIO 141	Principles of Biology I	5	
BIO 142	Principles of Biology II	5	
CHE 101	General Chemistry I	5	5*
CHE 102	General Chemistry II	5	5*
CHE 203	Organic Chemistry I	3*	3*
CHE 204	Organic Chemistry Lab I	2*	2*
CHE 205	Organic Chemistry II	3*	
CHE 206	Organic Chemistry Lab II	2*	
COM 103	Introduction to Public Speaking	3	3
ENG 101	Composition I	3	3
ENG 102	Composition II	3	3
MAT 108	Introduction to Applied Statistics		3
MAT 128	Calculus and Analytic Geometry I	5	
MAT 160	Statistics	4	
PHY 121	General Physics I	5*	
PHY 122	General Physics II	5*	
Humanities elective		3	3
Fine Arts elective		3	3
Humanities or Fine Arts elective *One course from Hum or FA must fulfill the non-Western culture requirement.*		3	3
Social/Behavioral Sciences elective Choose from two or more subject areas.		9	9*
General Elective			3–10
		66	60

Kinesiology

Program Code: N.PED.AS

Associate in Science (A.S.)
Minimum graduation requirement — 64 semester hours

The following curriculum is designed for students planning to transfer to a four-year institution to pursue a bachelor's degree in kinesiology or physical education. Graduates may teach and/or coach at the elementary, secondary, or college level, or pursue careers in exercise physiology, athletic training, and sports management.

Students should plan their program of study with a Parkland counselor or academic advisor and the catalog of the four-year college or university they plan to attend.

Program Notes*

- At least one course from an area other than psychology is required to fulfill the Social/Behavior Science elective.
- KIN 103, 147, 203, and 247 are not repeatable for kinesiology elective credit.

Suggested Full-time Sequence

SPORTS MANAGEMENT

FALL *1st semester*	*SPRING* *2nd semester*
KIN 160	BUS 101
ENG 101	MAT 108
Hum/FA elective	MKT 101
Soc/Beh Sci elec	COM 103
Kinesiology elec	ENG 102

FALL *3rd Semester*	*SPRING* *4th Semester*
ACC 101	ACC 102
MGT 101	KIN 164
Hum/FA elec	Soc/Beh Sci elec
Soc/Beh Sci elec	Hum/FA elec
Phys Sci elec	Phys/LS *or* Math elec

A.S. Degree Requirement (3–5 hours)	**Cr. Hrs.**
Additional Mathematics, Physical Sciences, or Life Sciences elective. (Any one additional AST, BIO, CHE, ESC, MAT, or PHY, or SCI course numbered 100 through 289 whose second digit is even [for example, BIO 101, MAT 124, or PHY 142] of at least three credit hours, beyond the general education requirements in mathematics and science.)	3–5

TEACHING/COACHING
EXERCISE PHYSIOLOGY
ATHLETIC TRAINING/THERAPEUTIC PATHWAY

FALL *1st Semester*	*SPRING* *2nd Semester*
KIN 160	BIO 121
ENG 101	KIN 181
PSY 101	COM 103
Hum/FA elec	ENG 102
Kinesiology elec	Soc/Beh Sci elec
	Kinesiology elec

FALL *3rd Semester*	*SPRING* *4th Semester*
BIO 122	KIN 164
KIN 186 (Teaching/Coaching and Exercise Physiology students)	KIN 183
	KIN 184 (Athletic Training students)
MAT 108	KIN 187 (Exercise Physiology students)
Kinesiology elec	KIN 288 (Exercise Physiology and Athletic Training students)
Hum/FA elec	Kinesiology elec
Soc/Beh Sci elec	Hum/FA elec
Phys Sci elec	

Kinesiology Electives		**Cr. Hrs.**
BIO 120	Fundamentals of Nutrition	3
KIN 103*	Exercise Fitness	1
KIN 101	Personal Training I	4
KIN 124	Golf I	1
or KIN 262	Golf	2
KIN 141	Beginning Basketball	1
or KIN 161	Basketball	2
KIN 147*	Strength Training	1
KIN 168	Theory of Coaching	3
KIN 181	Health Education	2
KIN 183	First Aid and CPR	2
KIN 184	Introduction to Athletic Training	3
KIN 186	Introduction to Human Movement	2
KIN 201	Personal Training II	5
KIN 203*	Exercise Fitness II	1
KIN 247*	Strength Training II	1
KIN 263	Sports Officiating	3
KIN 288	Exercise Physiology	4

		Teaching/ Coaching	Exercise Physiology	Athletic Training/ Therapeutic Pathway	Sports Management
ACC 101	Financial Accounting				4
ACC 102	Managerial Accounting				4
BIO 121	Anatomy and Physiology I	4	4	4	
BIO 122	Anatomy and Physiology Ii.	4	4	4	
BUS 101	Introduction to Business				3
COM 103	Introduction to Public Speaking	3	3	3	3
ENG 101	Composition I	3	3	3	3
ENG 102	Composition II.	3	3	3	3
KIN 160	Introduction to Kinesiology	3	3	3	3
KIN 164	Introduction to Sports Psychology	3	3	3	3
KIN 181	Health Education	2			
KIN 183	First Aid and CPR	2			
KIN 184	Introduction to Athletic Training			3	
KIN 186	Introduction to Human Movement	2	2		
KIN 288	Exercise Physiology		4	4	
KIN electives		10	10	8	4
MAT 108	Introduction to Applied Statistics	3	3	3	3
MGT 101	Introduction to Management				3
MKT 101	Introduction to Marketing				3
PSY 101	Introduction to Psychology	4	4	4	
Humanities/Fine Arts elective		9	9	9	9
One course from Hum or FA must fulfill the non-Western culture requirement.					
Physical Sciences elective		4	4	4	4
Social/Behavioral Science elective Choose from two or more subject areas.		6	6	6	9
Life Science elective					4
Additional Mathematics, Physical Sciences. *or* Life Sciences elective					3–5
		65	65	64	68–70

Personal Fitness Training

Program Code: N.FTR.CER

Minimum graduation requirement — 25 semester hours

The Personal Fitness Training Certificate Program prepares students for successful employment in the fitness industry as a personal fitness trainer. Graduates are prepared to take the Certified Personal Training examination administered by the National Strength and Conditioning Association. The NSCA-CPT is a nationally accredited certification program in the fitness industry.

Program Notes*

- BIO 121 and BIO 122 may be substituted for BIO 111.
- Students must hold current CPR and AED certification by time of program completion. Students may gain certification on their own through agencies such as Red Cross or American Heart Association, or they may take KIN 183.

Suggested Full-Time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
BIO 111	BIO 120
KIN 101	KIN 201
KIN 186	KIN 288
COM 103	

Required Program Courses (22 hours)		**Cr. Hrs**
BIO 111*	Basic Anatomy and Physiology	4
BIO 120	Fundamentals of Nutrition	3
KIN 101	Personal Fitness Training I	4
KIN 201	Personal Fitness Training II	5
KIN 186	Introduction to Human Movement	2
KIN 288	Exercise Physiology	4

Required General Education Core Course (3 hours)		**Cr. Hrs.**
COM 103	Introduction to Public Speaking	3
Total Semester Credit Hours		*25*

Accelerated Personal Fitness Training

Program Code: N.XFT.CER

Minimum graduation requirement — 11 semester hours

The Accelerated Personal Fitness Training Certificate prepares students who currently hold a degree in kinesiology or related field for successful employment in the fitness industry as a personal fitness trainer. Graduates are prepared to take the Certified Personal Training examination administered by the National Strength and Conditioning Association. The NSCA-CPT is a nationally accredited certification program in the fitness industry.

Program Notes

- Students must hold a degree in kinesiology or a related field.
- Students must hold current CPR and AED certification by time of program completion. Students may gain certification on their own through agencies such as Red Cross or American Heart Association, or they may take KIN 183.

Suggested Full-Time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
KIN 101	KIN 201
KIN 110	

Required Program Courses (11 hours)		**Cr. Hrs**
KIN 110	Fundamentals Review for Personal Trainers	2
KIN 101	Personal Fitness Training I	4
KIN 201	Personal Fitness Training II	5
Total Semester Credit Hours		*11*

Physical Science

Program Codes:
N.PSC.AS Physical Science

Associate in Science (A.S.)
Minimum graduation requirement — 62 semester hours

The following curriculum is designed to provide transfer students with the necessary background to complete a bachelor's degree with a major in one of the physical sciences.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Program Note
Math requirements vary. All physical science majors must complete MAT 128. MAT 124 and 125 are prerequisites for MAT 128. Consult transfer institution about additional math.

Suggested Full-time Sequence

FALL
1st Semester
ENG 101
Hum/FA *or* Lang elec
Math elec
Phy Sci elec

SPRING
2nd Semester
ENG 102
Hum/FA *or* Lang elec
Math elec
Phy Sci elec

FALL
3rd Semester
Phy Sci elec
Math elec
Soc/Beh Sci elec
Lang/Gen elec

SPRING
4th Semester
Life Sci elec
Math/Gen elec
Soc/Beh Sci elec
Lang/Gen elec
COM 103

		Astronomy/ Physics	Chemistry	Meteorology	Geology
ENG 101	Composition	3	3	3	3
ENG 102	Composition II	3	3	3	3
COM 103	Introduction to Public Speaking	3	3	3	3
CHE 101	General Chemistry I	5	5		5
CHE 102	General Chemistry II	5	5		5
PHY 121	General Physics I				5
PHY 122	General Physics II				5
PHY 141	Mechanics	4	4	4	
PHY 142	Electricity and Magnetism	4	4		
PHY 143	Modern Physics	4	4*		
ESC 101	Introduction to Weather			4	
ESC 102	Introduction to Physical Geology				4
MAT 128	Calculus and Analytic Geometry I	5	5	5	5
MAT 129	Calculus and Analytic Geometry II	4	4	4	
MAT 228	Calculus and Analytic Geometry III and Introductory Matrix Theory	5	5*	5	
MAT 229	Differential Equations			3	
CHE 203	Organic Chemistry I		3		
CHE 204	Organic Chemistry Lab I		2		
CHE 205	Organic Chemistry II		3		
CHE 206	Organic Chemistry Lab I		2		
CSC 127	Introduction to Computing (Programming in C) with Engineering Applications			3	
Humanities/Fine Arts *or* Language electives	Choose from two or more subject areas. *One course from Hum or FA must fulfill the non-western culture requirement.*	9	9	9	9
Social/Behavioral Sciences electives		9	9	9	9
Life Sciences elective(s)		4–5	4–5	4–5	4–5
General elective				3	
		67–68	*68–69*	*62–63*	*60–61*

**PHY 143 and MAT 228 are for physical chemistry majors only.*

Social Sciences and Human Services

D-wing • 217/351-2229 • www.parkland.edu/sshs

Joseph Walwik, department chair

Cindy Bales, administrative assistant

Nancy Testory, faculty secretary

Courses offered by the Social Sciences and Human Services department assist students in developing a thorough understanding and appreciation of humans in relation to their social environments. For students pursuing professions that emphasize the social sciences, choices encompass a wide variety of associate degree programs which teach students to extend human and social services to benefit others.

Career programs including child development, criminal justice, and fire service technology incorporate theory and practical field experience and prepare students for entry level work upon graduation. Transfer programs provide a well rounded foundation in areas such as social work and education. Social science and human services students completing associate degrees in transfer programs are well prepared to enter four-year universities to work toward their baccalaureate degree.

ASSOCIATE DEGREE PROGRAMS

A.A.S. Degrees (Career)

A.A./A.S. Degree (Transfer) with Concentrations in:

CERTIFICATE PROGRAMS

Child Development

Program Code: S.CHD.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Child Development Program prepares the student for work in preschool facilities. The program fulfills the requirements of the Department of Children and Family Services for child-care workers and directors.

Program Notes*

- A criminal background investigation is required prior to field experience. Students are responsible for any fees.
- To take CHD 222 and CHD 250, students must have a 2.0 GPA, a C or higher grade in CHD courses, and instructor approval.

Suggested Full-time Sequence

FALL *1st Semester*	*SPRING* *2nd Semester*
CHD 105 *or* PSY 207	CHD 115
CHD 122	CHD 124
CHD 125	CHD 134
ENG 101	ENG 102
Math elec	Phys/LS elec

FALL *3rd Semester*	*SPRING* *4th Semester*
CHD 216	CHD 201
CHD 217	CHD 242
CHD 218	CHD 250
CHD 222	CHD/Gen elec
CHD 223	
Hum/FA elec	

Required Program Courses (45 hours)		**Cr. Hrs.**
CHD 105 *or* PSY 207	Child Growth and Development Introduction to Child Psychology	3
CHD 115	Socialization and Guidance of the Young Child	2
CHD 122*	Introduction to Early Childhood Education	4
CHD 124*	Program Planning for the Young Child	3
CHD 125*	Observation and Analysis of Behavior	3
CHD 134*	Caring for Infants and Toddlers	4
CHD 201	Health, Safety, and Nutrition of the Young Child	3
CHD 216	Music and the Arts for the Young Child	2
CHD 217	Language and Literature for the Young Child	3
CHD 218	Math and Science for the Young Child	2
CHD 222*	Assisting in the Child-Care Center	4
CHD 223	Child, Family, and Community	3
CHD 242*	The Exceptional Child	4
CHD 250*	Field Experience in the Child-Care Setting	5

Required General Education Core Courses (15–18 hours)	
ENG 101	Composition I 3
ENG 102	Composition II 3
Humanities/Fine Arts elective	3–4
Mathematics elective	3–4
Physical/Life Sciences elective	3–4
Total Semester Credit Hours	*60–63*

Child Development Certificate

Program Code: S.CDE.CER

Certificate
Minimum graduation requirement — 31 semester hours

The Child Development Certificate fulfills the minimum educational requirements of the Illinois Department of Children and Family Services for early childhood teachers (with one year of experience) and directors (with two years of experience). Courses help students reach Illinois Gateways Career Lattice levels ECE3 (Early Childhood Education) and ITC2 (Infant Toddler Caregiver) and Illinois Great Start Wage Supplement Program level 4. All courses apply for the Child Development Associate educational requirement.

Program Notes*

- A criminal background investigation is required prior to observation or field experience. Students are responsible for any fees.
- Instructor approval required to register for CHD 222. Course may be done at Parkland or an approved worksite.
- Students wishing to use this certificate for the CDA will need to obtain pediatric first aid and CPR training in the community.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*
1st Semester	*2nd Semester*	*3rd Semester*
CHD 105	CHD 115	CHD 222
or PSY 207	CHD 124	
CHD 125	CHD 134	
CHD 217	CHD 201	
CHD 223		
ENG 101		

Required Program Courses (28 hours)		**Cr. Hrs.**
CHD 105	Child Growth and Development	
or PSY 207	Introduction to Child Psychology	3
CHD 115	Socialization and Guidance of the Young Child	2
CHD 124*	Program Planning for the Young Child	3
CHD 125*	Observation and Analysis of Behavior	3
CHD 134*	Caring for Infants and Toddlers	4
CHD 201	Health, Safety, and Nutrition of the Young Child	3
CHD 217	Language and Literature for the Young Child	3
CHD 222*	Assisting in the Child-Care Center	4
CHD 223	Child, Family, and Community	3

Required General Education Core Courses (3 hours)		
ENG 101	Composition I	3
Total Semester Credit Hours		*31*

Child Development: CDA Preparation

Program Code: S.CDA.CER

Certificate
Minimum graduation requirement — 12 semester hours

The CDA Preparation Certificate prepares students for Child Development Associate (CDA) assessment by providing the 120 clock hours or more of training in eight subject areas that are needed to apply for the CDA credential.

All credit hours can be applied toward the CHD A.A.S. degree.

Program Notes*

- A criminal background investigation is required prior to observation or field experience. Students are responsible for any fees.
- Instructor approval is required to register for CHD 222. CHD 222 for the CDA Preparation certificate is done at the student's worksite or at the Parkland College Child Development Center in special circumstances.
- To take CHD 222, students must have a 2.0 GPA, a C or higher grade in CHD courses, and instructor approval.
- Students applying for the infant-toddler setting credential may substitute CHD 134 for CHD 124.
- Infant and Child First Aid and CPR credentials are required for the CDA and training is available in most child care centers and in the community. Please contact the Child Care Resource Service for more information if needed at 1-800-325-5516.
- All CHD courses will count toward the educational requirement of the CDA.
- **Parkland College does not issue the CDA credential. For more information on the CDA, please contact the Council for Professional Recognition at http://cdacouncil.org/**

Required Program Courses (12 hours)		**Cr. Hrs.**
CHD 115	Socialization and Guidance for the Young Child	2
CHD 124*	Program Planning for the Young Child	3
CHD 222*	Assisting in the Child-Care Center	4
CHD 223	Child, Family, and Community	3
Total Semester Credit Hours		*12*

Criminal Justice

Program Code: S.CJS.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 60 semester hours

The Criminal Justice Program prepares students for employment in industry or government positions such as municipal, county, and state police agencies or the private security field.

Note: In order to complete the program, students must be able to pass a criminal background check required by agencies providing internships (if the student pursues the internship option).

Program Notes*

- SCI 108 and SCI 208 are the recommended courses for this degree. SCI 108 is not a prerequisite for SCI 208. These courses may be taken in any order. Both courses must be taken to fulfill the physical/life science requirement. One approved IAI transfer level physical science course and one approved IAI transfer life science course my be substituted for the SCI 108, SCI 208 sequence if necessary.
- General electives can be any college-level course.
- CJS 101 is a prerequisite for all CJS courses except CJS 104 and CJS 127.
- Students ***must carry health insurance and pass a criminal background check*** prior to being allowed to participate in CJS 218 (internship).

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CJS 101	CJS 102
CJS 104	CJS 207
CJS 127	CJS 209
ENG 101	ENG 102
Soc/Beh Sci elec	Soc/Beh Sci elec

FALL	*SPRING*
3rd Semester	*4th Semester*
CJS 203	CJS 204
CJS 221	CJS 225
SCI 108	SCI 208
Soc/Beh Sci elec	CJS 218 *or* CJS 292
Gen elec	

Required Program Courses (35 hours) **Cr. Hrs.**

CJS 101*	Introduction to Criminal Justice	3
CJS 102	Police Administration and Operations	4
CJS 104*	Introduction to Corrections	3
CJS 127*	Juvenile Delinquency	3
CJS 203	Criminal Law	3
CJS 204	Evidence and Procedure	3
CJS 207	Traffic Law Enforcement and Administration	3
CJS 209	Criminal Investigation	4
CJS 221	Community Policing and Problem Solving	3
CJS 225	Issues in Criminal Justice	3

Take one of the following:

CJS 218*	Internship and Seminar	3
CJS 292	International Field Experience	3

Required General Education Core Courses (23 hours)

ENG 101	Composition I	3
ENG 102	Composition II	3
SCI 108*	Introduction to Forensic Chemistry	4
SCI 208*	Forensic Science II: Death Analysis	4
Social/Behavioral Science electives		9

Choose from two or more subject areas.

General Electives (2–4 hours)

General electives		1–4

Recommended coursework:

ANT 105*	Introduction to Physical Anthropology	3
COM 120	Interpersonal Communication	3
KIN 183	First Aid and CPR	2
SOC 202	Sociology of Deviant Behavior	3
SOC 204	Criminology	3
POS 122	American National Government	3
PSY 101	Introduction to Psychology	4

Total Semester Credit Hours *60–62*

Criminal Justice Education

Program Code: S.CJE.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

The following sequence of courses is designed to provide transfer students with the necessary background to complete a bachelor's degree in criminal justice.

Graduates may enter careers in municipal, county, state, and federal law enforcement agencies or in the private security field. Students interested in completing baccalaureate degrees in criminal justice and related majors are strongly encouraged to complete an A.A. degree prior to transfer. To transfer into an approved baccalaureate degree program in criminal justice as juniors, students need to complete a minimum of 60 semester credits from the framework below. Since admission is competitive, completion of the recommended courses does not guarantee admission.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Program Notes*

- SCI 108 and SCI 208 are the recommended courses for this degree. Sci 108 is not a prerequisite for SCI 208. These courses may be taken in any order. Both courses must be taken to fulfill the physical/life science requirement. One approved IAI transfer level physical science course and one approved IAI transfer life science course my be substituted for the SCI 108, SCI 208 sequence if necessary.
- All A.A. students must take a course that satisfies the non-western cultures requirement.
- CJS 101 is a prerequisite for all CJS courses except CJS 104 and CJS 127. Suggested coursework based on transfer patterns as of 11/15/13. Always consult transfer coordinator for best enrollment options.

Required General Education Core Courses (39 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Sciences 10
Choose from two or mores subject areas
Interdisciplinary Sciences (8)
Recommended:
- SCI 108* Introduction to Forensic Chemistry 4
- SCI 208* Forensic Science II: Death Analysis 4

Humanities/Fine Arts electives (9)
- Fine Arts/Humanities elective 3
- Fine Arts elective 3
- Humanities elective 3

Mathematics elective 3

Required Baccalaureate Major Courses* (16–17 hours)

CJS 101* Introduction to Criminal Justice 3
CJS 102 Police Administration and Operations 4
CJS 203 Criminal Law 3
Take one of the following:
- CJS 104* Introduction to Corrections 3
- CJS 209 Criminal Investigation 4

Take one of the following:
- SOC 202 Sociology of Deviant Behavior
- SOC 204 Criminology
- CJS 127* Juvenile Delinquency 3

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to the Liberal Arts and Sciences 3

General Electives (1–3 hours)
Select option to bring total number of credits to a minimum of 60.

Total Semester Credit Hours *60–62*

Suggested baccalaureate major courses based upon transfer patterns as of 11/15/13 for receiving institution.

Illinois State University:
CJS 101 3
CJS 102 4
CJS 104 3*
CJS 203 3
CJS 127 or
SOC 204 3
16 credits

Southern Illinois University @ Edwardsville
CJS 101 3
CJS 127 3
CJS 203 3
CJS 104 3*
SOC 202 or
SOC 204 3
15 credits

Western Illinois University
CJS 101 3
CJS 127 3
CJS 203 3
CJS 209 4
CJS 102 or
CJS 104 3 or 4*
16 or 17 credits

Eastern Illinois University (Criminology – SOC)
CJS 101 3
CJS 127 3
SOC 102 3
SOC 202 3
SOC 204 3
15 credits

Southern Illinois University @ Carbondale
CJS 101 3
CJS 102 4
CJS 127 3
CJS 209 4
SOC 204 3
17 credits

Early Childhood Education

Associate in Science (A.S.)
Program Code: S.ECE.AS
Minimum graduation requirement — 60 semester hours

To teach young children in Illinois public schools (birth to second grade), teachers must be certified by the state of Illinois. To transfer into an approved baccalaureate program in early childhood education as a junior, students must complete specific requirements and a minimum of 60 semester credits. Students are strongly encouraged to complete an A.S. degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission. A minimum grade point average for most universities is required for program admission.

All transfer applicants are required to pass the Test of Academic Proficiency (TAP), or pass the ACT + Writing with a score of 22+ (see an advisor for further details), and this score may be required at time of application. Contact Parkland's Counseling and Advising Center for more information about this test and suggested timing.

Students planning to teach at the early childhood level in Illinois are advised to plan their transfer programs with a Parkland academic advisor or counselor to meet specific requirements of their preferred transfer college or university and the Illinois State Teachers Certification Board.

Program Notes

- A criminal background investigation is required prior to field experience. Students are responsible for any fees.
- Certification by the State of Illinois requires that all courses in program be passed with a grade of C or higher.
- Most teacher certification programs require passing the Test of Academic Proficiency (TAP), or passing the ACT + Writing with a score of 22+ (see an advisor for further details) before transfer. For more information, see www.icts.nesinc.com.
- The following universities have specific math requirements for education transfer students.
  EIU: MAT 105-106 sequence recommended
  ISU: Any IAI Transfer math course
  UIUC: MAT 105-106 sequence recommended
- For MAT 105-106, computational master test must be passed. Sign up with the Mathematics Department at 217/351-2225 or in M120.
- Licensing for Kindergarten is ONLY available under the ECE major.

Required General Education Core Courses (40 hours minimum) — Cr. Hrs.

Communications (9)
- COM 103 Introduction to Public Speaking . . . 3
- ENG 101 Composition I . . . 3
- ENG 102 Composition II . . . 3

Social/Behavioral Sciences (11)
- HIS 104 History of the U.S. to 1877
- *or* HIS 105 History of the U.S., 1877 to the Present . . . 4
- POS 122 American National Government . . . 3
- PSY 101 Introduction to Psychology . . . 4

Mathematics (3)
- Mathematics elective . . . 3

Humanities/Fine Arts electives (9)
- One course from Hum or FA must fulfill the non-Western culture requirement.
- Humanities elective . . . 3
- ART or MUS or THE elective . . . 3
- Humanities or Fine Arts elective . . . 3

Physical/Life Science elective (8)
- Physical Sciences elective . . . 4
- BIO 101 General Biology . . . 4

Required Professional Courses (6 hours)

EDU 101 Introduction to Education . . . 3
PSY 207 Introduction to Child Psychology . . . 3

Additional Required Course (3–5 hours)

Mathematics, Physical Sciences, or Life Sciences elective . . . 3–5
- Any one additional AST, BIO, CHE, ESC, MAT, PHY. or SCI course numbered 100 through 289 whose second digit is even (for example, BIO 101, MAT 124, or PHY 142) of at least three credit hours, beyond the general education requirements in mathematics and science.)

Suggested Electives

Select courses from the following to bring total number of credits to a minimum of 60:

EDU 103 Introduction to Educational Technology . . . 3
EDU 104 Introduction to Special Education . . . 3
Science elective(s) . . . 4
Foreign Language requirements . . . 4
GEO 140 World Geography
or GEO 143 Geography of the United States . . . 3
MUS 121 Music Appreciation
or MUS 124 Intro to Non-Western Music . . . 3
MAT 105 Mathematics for Elementary Teachers I . . . 3
MAT 106 Mathematics for Elementary Teachers II . . . 3

Total Semester Credit Hours Required — *60*

Elementary Education

Associate in Science (A.S.)
Program Code: S.EED.AS
Minimum graduation requirement — 60 semester hours

To teach in Illinois public elementary schools (grades 1–6), teachers must be certified by the state of Illinois. To transfer into an approved baccalaureate program in elementary education as a junior, students must complete specific requirements and a minimum of 60 semester credits. Students are strongly encouraged to complete an A.S. degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission. Students should be aware that a minimum grade point average for most universities is required for program admission.

All transfer applicants are required to pass the Test of Academic Proficiency (TAP), or pass the ACT + Writing with a score of 22+ (see an advisor for further details), and this score may be required at time of application. Contact Parkland's Counseling and Advising Center for more information about this test and suggested timing.

Students planning to teach at the elementary level in Illinois are advised to plan their transfer programs with a Parkland academic advisor or counselor to meet specific requirements of their preferred college or university and the Illinois State Teachers Certification Board.

Program Notes

- A criminal background investigation is required prior to field experience. Students are responsible for any fees.
- Certification by the State of Illinois requires that all courses in program be passed with a grade of C or higher.
- Most teacher certification programs require passing the Test of Academic Proficiency (TAP), or passing the ACT + Writing with a score of 22+ (see an advisor for further details) before transfer. For more information, see www.icts.nesinc.com.
- For MAT 105-106, computational master test must be passed. Sign up with the Mathematics Department at 217/351-2225 or in M120.

Required General Education Core Courses (45 hours minimum) — Cr. Hrs.

Communications (9)
- COM 103 Introduction to Public Speaking . . . 3
- ENG 101 Composition I . . . 3
- ENG 102 Composition II . . . 3

Social/Behavioral Sciences (11)
- HIS 104 History of the U.S. to 1877
- *or* HIS 105 History of the U.S., 1877 to the Present . . . 4
- POS 122 American National Government . . . 3
- PSY 101 Introduction to Psychology . . . 4

Mathematics (3) . . .
- MAT 105 Mathematics for Elementary Teachers I . . . 3

Humanities/Fine Arts electives (9)
- HUM 103 or 104 or 105 or 106 or 107 or 109 (non-Western culture course) . . . 3
- ART or MUS or THE elective . . . 3
- LIT 121 or 126 or 127 or 201 or 202 . . . 3

Physical/Life Science elective (8)
- Choose from: PHY 120 and 129 or ESC 101 or CHE 104 4
- BIO 101 General Biology . . . 4

Required Professional Courses (9 hours)

EDU 101 Introduction to Education . . . 3
PSY 207 Introduction to Child Psychology . . . 3
MAT 106 Mathematics for Elementary Teachers II . . . 3

Other Required Courses (7 hours)

GEO 140 World Geography . . . 3
MAT 124 College Algebra . . . 4

Recommended Electives (3–4 hours)

Science elective(s) . . . 4
EDU 103 Introduction to Educational Technology . . . 3
EDU 104 Introduction to Special Education . . . 3
Foreign Language requirements . . . 4
See options below for specific electives for universities listed below
General electives . . . 0–5

Total Semester Credit Hours — *60–64*

Suggested baccalaureate major courses based upon transfer patterns as of 09/30/14 for receiving institution.

Eastern Illinois University:
PHY 121 *or*
PHY 120 and 129
CHE 101 *or* 104
ESC 101 *or* 102 *or*
AST 101 *or* 102
EDU 1033
EDU 104
Foreign Lang req

Illinois State University
PHY 121 or 120 and 129 or
CHE 101 or 104
ESC 101 *or* 102
EDU 104

University of Illinois (UIUC)
MAT 108
Foreign Lang req

Secondary Education

Associate in Arts (A.A.)
Program Code: S.SED.AA

Associate in Science (A.S.)
Program Code: S.SED.AS

Minimum graduation requirement — 60 semester hours

To teach in Illinois public high schools (grades 6–12), teachers must be certified by the state of Illinois. To transfer into an approved baccalaureate program in secondary education as a junior, students must complete specific requirements and a minimum of 60 semester credits. Students are strongly encouraged to complete an A.A. or A.S. degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission to any particular transfer institution. Students should be aware that a minimum grade point average is required for program admission at most universities.

All transfer applicants are required to pass the Illinois Basic Skills Test, and this score may be required at time of application. Contact Parkland's Counseling and Advising Center for more information about this test and suggested timing.

Students planning to teach at the secondary level in Illinois are advised to plan their transfer programs with a Parkland academic advisor or counselor to meet specific requirements of their preferred college or university and the Illinois State Teachers Certification Board.

Program Notes

- A criminal background investigation is required prior to field experience. Students are responsible for any fees.
- Certification by the State of Illinois requires that all courses in program be passed with a grade of C or higher.
- Most teacher certification programs require passing the Illinois Basic Skills Test before transfer. For more information, see www.icts.nesinc.com.

Required General Education Core Courses (40 hours minimum) — Cr. Hrs.

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Sciences (11)
- HIS 104 History of the U.S. to 1877
- *or* HIS 105 History of the U.S., 1877 to the Present 4
- POS 122 American National Government 3
- PSY 101 Introduction to Psychology 4

Humanities/Fine Arts electives (9)
(One course from Hum or FA must fulfill the non-Western culture requirement.)
- Humanities elective 3
- Fine Arts elective 3
- Humanities or Fine Arts elective 3

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Professional Courses (6–9 hours)

EDU 101 Introduction to Education 3
PSY 220 Educational Psychology
or PSY 209 Human Growth and Development 3–6

Required Course for A.A. Degree (3 hours)
LAS 189 Introduction to the Liberal Arts and Sciences 3

Required Course for A.S. Degree (3–5 hours)

Additional Mathematics, Physical Sciences, *or* Life Sciences elective 3–5
Must be a course numbered 100-289 whose second digit is even.

Required Courses for Teaching Concentration (3–20 hours)

Will vary by teaching area and transfer school. Individualized plans should be developed in consultation with a Parkland counselor or academic advisor during first semester at Parkland.

Suggested Electives

Select courses from the following to bring total number of credits to a minimum of 60:

EDU 104 Introduction to Special Education 3
KIN 181 Health Education 2
Science elective(s) 3–8
Mathematics elective(s) 3–5
Mathematics elective(s) 3–5
Foreign language courses 4–16
General electives 0-8

Total Semester Credit Hours — *60*

Special Education

Associate in Arts (A.A.)
Program Code: S.SPD.AA

Associate in Science (A.S.)
Program Code: S.SPD.AS

Minimum graduation requirement — 60 semester hours

Students interested in completing a baccalaureate degree in special education are strongly encouraged to complete an AA. or A.S. degree prior to transfer. To transfer into an approved baccalaureate program in special education as a junior, students must complete specific requirements and a minimum of 30–60 credits. UIUC recommends early transfer after completion of 30 credits, including required courses. Since admission is competitive, completion of the recommended courses does not guarantee admission. Students shoud be aware that a minimum grade point average for most universities is required for program admission.

All transfer applicants are required to pass the Illinois Basic Skills Test, and this score may be required at time of application. Contact Parkland's Counseling and Advising Center for more information about this test and suggested timing.

Students planning to teach in special education in Illinois are advised to plan their transfer programs with a Parkland academic advisor or counselor to meet specific requirements of their preferred college or university and the Illinois State Teachers Certification Board.

Program Notes

- A criminal background investigation is required prior to field experience. Students are responsible for any fees.
- Certification by the State of Illinois requires that all courses in program be passed with a grade of C or higher.
- Most teacher certification programs require passing the Illinois Basic Skills Test before transfer. For more information, see www.icts.nesinc.com
- The following universities have specific math requirements for education transfer students.
  EIU: MAT 105-106 sequence recommended
  ISU: Transfer math other than MAT 108 recommended

Required General Education Core Courses (40 hours minimum) — Cr. Hrs.

Communications (9)
- COM 103 Introduction to Public Speaking . . . 3
- ENG 101 Composition I . . . 3
- ENG 102 Composition II . . . 3

Social/Behavioral Sciences (11)
- HIS 104 History of the U.S. to 1877
  or HIS 105 History of the U.S., 1877 to the Present . . . 4
- POS 122 American National Government . . . 3
- PSY 101 Introduction to Psychology . . . 4

Humanities/Fine Arts electives (9)
(One course from Hum or FA must fulfill the non-Western culture requirement.)
- Humanities elective . . . 3
- Fine Arts elective . . . 3
- Humanities or Fine Arts elective . . . 3

Mathematics elective . . . 3-6
Physical Sciences elective . . . 4
Life Sciences elective . . . 4

Required Professional Courses (9 hours)

EDU 101 Introduction to Education . . . 3
EDU 104 Introduction to Special Education . . . 3
PSY 209 Human Growth and Development . . . 3

Required Course for A.A. Degree (3 hours)

LAS 189 Introduction to the Liberal Arts and Sciences . . . 3

Required Course for A.S. Degree (3–5 hours)

Additional Mathematics, Physical Sciences, *or* Life Sciences elective . . . 3–5
Must be a course numbered 100-289 whose second digit is even.

Suggested Electives

Select courses from the following to bring total number of credits to a minimum of 60:

KIN 181 Health Education . . . 2
Mathematics elective . . . 3–4
Literature elective . . . 3
Fine Arts elective . . . 3
Science elective(s) . . . 3–8
Foreign Language courses . . . 4–16
Area of teaching concentration . . . 3–9
Select up to a maximum of 9 hours in one academic discipline: Anthropology, Art, Astronomy, Biology, Chemistry, Geography, Dance, Earth Science, Economics, English, Foreign Languages, History, Literature, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology, or Theatre.
General electives . . . 0–8

Total Semester Credit Hours — *60*

Fire Service Technology

Program Code: S.FST.CER

Fire Officer I Certificate
Minimum graduation requirement — 32 semester hours

The Fire Service Technology Certificate Program prepares the student to become a Fire Officer I.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
FST 111	FST 212
FST 112	FST 114
FST 210	FST 115
ENG 101	FST 118
MAT 131	PSY 101

Required Program Courses (21 hours)		**Cr. Hrs.**
FST 111	Introduction to the Fire Service *or* FST elective	3
	Choose EMS 110 or other fire service courses that are not required.	
FST 112	Command Officer Management I	3
FST 114	Fire Prevention Principles	3
FST 115	Fire Fighting Tactics	3
FST 118	Fire Service Instructor I	3
FST 212	Command Officer Management II	3
FST 210	Hazardous Materials First Responder/ Operation	3

Required General Education Core Courses (11 hours)		
ENG 101	Composition I	3
MAT 131	Applied Mathematics	4
PSY 101	Introduction to Psychology	4
Total Semester Credit Hours		*32*

Fire Service Technology

Program Code: S.FST.AAS

Associate in Applied Science (A.A.S.)
Minimum graduation requirement — 62 semester hours

The program is designed to provide the student or firefighter with the training to be a Fire Officer.

Program Note
Students intending to transfer to SIU, WIU, or another university should consult with their program advisor. Typically, substitutions are as follow: CHE 101 for FST 210, MAT 108 and ALM 135 for MAT 131, PHY 121 for PHY 112.

Suggested Full-time Sequence

FALL	*SPRING*	*FALL*	*SPRING*
1st Semester	*2nd Semester*	*3rd Semester*	*4th Semester*
FST 111	FST 114 (O)	FST 234 (O)	FST 215 (E)
FST 112 (E)	FST 115 (O)	FST 210	FST 218 (E)
FST 250	FST 118 (O)	ENG 101	FST 235 (E)
ENG 101	FST 212 (O)	PHY 112	FST elec
MAT 131	COM 103	PSY 101	ENG 102
Soc/Beh Sci *or* Hum/FA elec			

(O) = Offered in odd-numbered years; (E) = Offered in even-numbered years

Required Program Courses (33 hours)		**Cr. Hrs.**
FST 111	Introduction to the Fire Service	3
FST 112	Command Officer Management I	3
FST 114	Fire Prevention Principles	3
FST 115	Fire Fighting Tactics	3
FST 118	Fire Service Instructor I	3
FST 212	Command Officer Management II	3
FST 215	Fire Fighting Strategies and Tactics	3
FST 218	Fire Service Instructor II	3
FST 234	Command Officer Management III	3
FST 235	Command Officer Management IV	3
FST elective		3
	Choose from FST 117, FST 130, FST 251, FST 253, or EMS 110.	

Other Required Courses (9 hours)		
FST 210	Hazardous Materials First Responder/ Operation	3
PHY 112	Applied Physics: Heat and Electricity	3
FST 250	Fire and Emergency Management Computer Systems	3

Required General Education Core Courses (20 hours)		
COM 103	Introduction to Public Speaking	3
ENG 101	Composition I	3
ENG 102	Composition II	3
MAT 131	Applied Mathematics	4
PSY 101	Introduction to Psychology	4
Social/Behavioral Sciences *or* Humanities/Fine Arts electives		3
Total Semester Credit Hours		*62*

History

Program Code: S.HIS.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

To transfer as a junior into a baccalaureate history program, students must complete a minimum of 60 semester credits. Freshmen and sophomores who plan to major in history are encouraged to fulfill general education requirements with foundation courses in the sciences (e.g., biology, chemistry, physics, and anatomy and physiology) and mathematics (e.g., college algebra, calculus, and statistics). The number of history courses taken at Parkland should be kept to a minimum.

The courses below are recommended for students plan-ning to transfer into a baccalaureate history program, including into a baccalaureate program leading to state certification as a high school (6–12) history teacher. Students planning to seek high school (6–12) teacher certification are encouraged to consult the specific general education courses recommended for Secondary Education.

To transfer as a junior, students must complete a minimum of 60 semester credits. Students seeking a bachelor's degree in history are strongly encouraged to complete an Associate in Arts or Associate in Science degree prior to transfer. Since admission may be competitive, completing the recommended courses does not by itself guarantee admission.

Required General Education Core Courses (38 hours)		**Cr. Hrs.**
Communications (9)		
COM 103	Introduction to Public Speaking	3
ENG 101	Composition I	3
ENG 102	Composition II	3
Social/Behavioral Science electives		9
Choose from two or more subject areas.		
Humanities/Fine Arts electives (9)		
Fine Arts elective		3
Humanities elective		3
Humanities *or* Fine Arts elective		3
(One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)		
Mathematics elective		3–6
Physical Sciences elective		4
Life Sciences elective		4

Required Core History Courses (16 hours)		
HIS 101	History of Western Civilization I	4
HIS 102	History of Western Civilization II	4
HIS 104	History of the U.S. to 1877	4
HIS 105	History of the U.S., 1877 to the Present	4

Required Course for A.A. Degree (3 hours)		
LAS 189	Introduction to the Liberal Arts and Sciences	3

General Electives (3 hours)		
General electives		3–6
Total Semester Credit Hours		*60*

Other History Courses
Additional history courses (such as non-Western civilization) may transfer either for history major credit or as general education credit, depending upon the school. Students should select courses in consultation with an advisor.

Related Courses
Students who have decided upon a minor field are encouraged to complete one or more courses in the minor. Students planning to obtain high school (6–12) teacher certification are encouraged to complete one or more professional education courses recommended by the Secondary Education Panel. Students should select courses in consultation with an advisor.

One Foreign Language (up to 12 semester credits)
Competency through the second, third, or fourth semester in a single foreign language is required for the B.A. degree in history in some schools and for all majors in the College of Arts and Sciences at other schools. Ask about the language requirement of the schools you are considering, and complete the required foreign language courses before transfer. In general, two years of foreign language study in high school will substitute for two semesters in college.

Political Science

Program Code: S.POS.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

Political Science is the study of the theory and practice of government and politics. Students of politics describe and analyze political systems and behavior. Baccalaureate programs offer courses in areas such as public administration, public law, international relations, comparative politics, political behavior, political philosophy, and U.S. government. Students interested in pursuing a bachelor's degree in political science are strongly encouraged to complete an Associate in Arts or Associate in Science degree prior to transfer. A minimum of 60 semester credits is required for transfer as a junior into a baccalaureate Political Science program. Since admission is competitive, completing the recommended courses does not by itself guarantee admission.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
Choose from two or more subject areas.

Humanities/Fine Arts electives (9)
- Fine Arts elective 3
- Humanities elective 3
- Humanities *or* Fine Arts elective 3

(One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)

Mathematics elective 3-6
Physical Sciences elective 4
Life Sciences elective 4

Required Political Science Prerequisite Course (3 hours)

POS 122 American/U.S. National Government 3

Other Political Science Courses (3–6 hours)

A maximum of 2 courses beyond American/U.S. National Government from the list below are guaranteed to transfer either as a substitute for the receiving school's comparable course or as a political science elective.

POS 124 State and Local Government 3
POS 202 Introduction to International Relations 3

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to the Liberal Arts and Sciences 3

General Electives (7–13 hours)

General Electives 7-13

Total Semester Credit Hours *60*

Psychology

Program Code: S.PSY.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

To transfer as a junior into a baccalaureate psychology program, students must complete a minimum of 60 semester credits. Freshmen and sophomores who plan to major in psychology are encouraged to fulfill general education requirements with foundation courses in the sciences (e.g., biology, chemistry, physics, and anatomy and physiology) and mathematics (e.g., college algebra, calculus, and statistics). The number of psychology courses taken at Parkland should be kept to a minimum. Students are strongly encouraged to complete an Associate in Arts degree prior to transfer. Since admission is competitive, completion of the recommended courses does not guarantee admission.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
Choose from two or more subject areas.

Humanities/Fine Arts electives (9)
- Fine Arts elective 3
- Humanities elective 3
- Humanities *or* Fine Arts elective 3

(One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Psychology Prerequisite Course (4 hours)

PSY 101 Introduction to Psychology 4

Required Psychology Core Courses (9 hours)

A maximum of three courses beyond PSY 101 from the following are guaranteed for transfer credit under the following conditions: If the receiving institution offers the course as a lower-division course, then course-for-course transfer is guaranteed; if the receiving institution does not offer the course, or does not offer the course at the lower level, the student will receive elective, lower-division, psychology credit for the course.

Choose one course from the following (3 hours):

PSY 207 Introduction to Child Psychology 3
PSY 208 Adolescent Psychology 3
PSY 209 Human Growth and Development 3

Choose two courses from the following (6 hours):

PSY 201 Psychology of Personality 3
PSY 203 Abnormal Psychology 3
PSY 205 Introduction to Social Psychology 3
PSY 222 Industrial and Organizational Psychology . . . 3
PSY 223 Introduction to Adult Development and Aging 3

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to the Liberal Arts and Sciences 3

General Electives (6–8 hours)

General electives 6–8

Total Semester Credit Hours *60*

Social Work

Program Code: S.SOW.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

The profession of social work is devoted to helping people function optimally in their environment by providing direct and indirect services to individuals, families, groups, organizations, and communities and by working to improve social conditions. Bachelor's degree programs in social work prepare students for careers in public and private agencies such as child welfare, mental health, corrections, shelters, and many other workplaces. Students interested in completing bachelor's degrees in social work are strongly encouraged to complete an Associate in Arts degree prior to transfer. To transfer into an accredited bachelor's degree program in social work as juniors, students need to complete a minmum of 60 semester credits (up to a maximum of 64 semester credits) from the adjacent list. Students should contact their counselor or advisor about the particular social work baccalaureate program for specific entry requirements, including language requirements. Since admission is competitive, completion of these courses alone does not guarantee admission.

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
- Choose three from SOC 101, ANT 103, ECO 101, PSY 101, POS 122, SOC 203.

Humanities/Fine Arts electives (9)
- Recommended choice of one from PHI 101, PHI 103, PHI 105.
- Fine Arts elective 3
- Humanities elective 3
- Humanities *or* Fine Arts elective 3
- (One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)

Mathematics elective 3–6
- MAT 108 is recommended.

Physical Sciences elective 4
- AST 101 or 102 is recommended.

Life Sciences elective 4
- BIO 105 is recommended, or choose from BIO 101, 104, *or* 107.

Required Social Work Core Courses (12 hours)

SOC 220 Introduction to Social Work 3

Choose three courses from the following:

PSY 107 Human Sexuality 3
PSY 203 Abnormal Psychology 3
PSY 205 Introduction to Social Psychology 3
SOC 102 Social Problems 3

A.A. Degree Requirement (3 hours)

LAS 189 Introduction to Liberal Arts and Sciences . . . 3

General Electives (7 hours)

General electives 7

Total Semester Credit Hours *60*

Sociology

Program Code: S.SOC.AA

Associate in Arts (A.A.)
Minimum graduation requirement — 60 semester hours

Sociology is the systematic and scientific study of behavior of small groups and society. To transfer as a junior into a baccalaureate sociology program, students must complete a minimum of 60 semester credits. Students are strongly encouraged to complete an Associate in Arts or Associate in Science degree prior to transfer. Freshmen and sophomores who plan to major in sociology are encouraged to complete additional foundation courses (including courses in the social and behavioral sciences) and mathematics.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives 9
- Choose from two or more subject areas. (ANT 101, ANT 103, and PSY 205 recommended)

Humanities/Fine Arts electives (9)
- Fine Arts elective 3
- Humanities elective 3
- Humanities *or* Fine Arts elective 3
- (One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement.)

Mathematics elective 3
Physical Sciences elective 4
Life Sciences elective 4

Required Course for Concentration in Sociology (3 hours)

SOC 101 Introduction to Sociology 3

Required Sociology Core Courses (9 hours)

A maximum of three courses beyond SOC 101 from the following are guaranteed for transfer credit under the following conditions: If the receiving institution offers the course as a lower-division course, then course-for-course transfer is guaranteed; if the receiving institution does not offer the course at the lower level, the student will receive elective, lower-division sociology credit for the course.

SOC 102 Social Problems 3
SOC 200 Marriage and Family 3
SOC 203 Intergroup Relations in Diverse Societies 3
SOC 240 Gender and Society 3

Required Course for A.A. Degree (3 hours)

LAS 189 Introduction to the Liberal Arts and Sciences 3

General Electives (7–9 hours)

General Electives 7–9

Total Semester Credit Hours *60*

Aviation

Institute of Aviation, 1 Airport Road, Savoy, IL 61874
217/244-8646 • www.parkland.edu/academics/aviation
Sybil Phillips, chief pilot

The Parkland Institute of Aviation provides flight training and teaches aviation safety. It offers the opportunity for students to earn a transferable associate in science degree (aviation) while earning Federal Aviation Administration (FAA) civilian pilot certificates. Students who are not interested in earning an associate's degree may take aviation classes leading towards FAA private pilot certification, instrument rating, commercial pilot certification, multiengine rating, and/or flight instructor certification.

ASSOCIATE DEGREE PROGRAM

A.S. Degree (Transfer) with a Concentration in:

TRAINING PROGRAMS
to help students attain FAA certifications in:

Aviation

Program Code: V.AVI.AS

Associate in Science (A.S.)
Minimum graduation requirement — 64 semester hours

The following curriculum is designed to provide students planning to transfer to a four-year institution to pursue a bachelor's degree with the opportunity to earn certifications necessary to enter the commercial aviation job market. Students will earn the private pilot certification, private pilot with instrument rating, and the commercial pilot certification in a sequential manner during the program. Graduates, upon the completion of a bachelor's degree and FAA flight time requirements, may enter the workforce as commercial cargo or passenger pilots.

Flight training will be offered at the University of Illinois' Willard Airport in Savoy, Illinois.

Students should plan their transfer programs with a Parkland academic advisor or counselor and the catalog of the four-year college or university they plan to attend.

Program Notes

- Students must place into college level reading (83 or higher on ACT COMPASS or completion of CCS 099 with C or higher), writing (ENG 101 placement), and mathematics courses (placement into MAT 107 or equivalent) to register for AVI 101.
- Students who are non-native speakers of English must score a minimum of 85 (with min. 22 listening; min. 26 speaking) on the Internet-based (ibt) Test of English as a Foreign Language to satisfy the minimum English proficiency requirement.
- Students must provide evidence of passing a third class physical examination by an FAA approved physician by the conclusion of the fourth week of instruction of AVI 101. Students who fail to do so may be administratively withdrawn from AVI 101. For assistance in locating an approved physician, consult http://www.faa.gov/pilots/amelocator/
- All non-U.S. citizens must obtain Transportation Security Administration (TSA) authorization through the TSA Alien Flight Student Program prior to registration for AVI 101.
- Students must purchase their own aviation headset.
- Students must provide their own transportation to Willard Airport.
- Students interested in the Parkland Pathway to Illinois (Aviation) must apply directly to the program. For information and application form, consult http://admissions.illinois.edu/parklandpathway/
- Tuition and fees covered by Parkland College tuition waivers and/or scholarship awards do not include additional course fees (flight instruction fees) charged for aviation (AVI) courses.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	
AVI 101	AVI 120	AVI 129
ENG 101	ENG 102	
COM 103	ESC 101	
Hum/FA elective	Hum/FA elective	
Math elective	Soc/Beh elective	

FALL	*SPRING*	*SUMMER*
3rd Semester	*4th semester*	
AVI 140	AVI 200	AVI 209
AVI 184	Hum/FA elective	AVI 280
Phy Sci/LS elective	Phy Sci/LS elective	
Soc/Beh elective	Soc/Beh elective	

Required General Education Core Courses (38 hours) **Cr. Hrs.**

Communications (9)
- COM 103 Introduction to Public Speaking 3
- ENG 101 Composition I 3
- ENG 102 Composition II 3

Social/Behavioral Science electives. 9
Choose from two or more subject areas.

Humanities elective 3
Fine Arts elective 3
Humanities or Fine Arts elective. 3
One course from Soc/Beh Sci, Hum, or FA must fulfill the non-Western culture requirement

Mathematics 3
Physical Science elective 4
Life Science elective 4

Additional Physical Science requirement (4 hours)

ESC 101 Introduction to Weather. 4

Required Program Courses (22 hours)

AVI 101 Private Pilot I 3
AVI 120 Private Pilot II 3
AVI 129 Commercial – Instrument I 3
AVI 140 Commercial II – Instrument II 3
AVI 184 Aircraft Systems for Pilots 3
AVI 200 Commercial Pilot I 3
AVI 209 Commercial Pilot II 3
AVI 280 Multiengine Land 1

Total Semester Credit Hours *64*

Flight Training

Students interested in flight training only may take aviation classes that lead to Federal Aviation Administration (FAA) private pilot and commercial pilot certifications.

Private Pilot Training		Cr. Hrs.
AVI 101	Private Pilot I	3
AVI 120	Private Pilot II	3

Commercial Pilot Training		
AVI 101	Private Pilot I	3
AVI 120	Private Pilot II	3
AVI 129	Commercial – Instrument I	3
AVI 140	Commercial II – Instrument II	3
AVI 184	Aircraft Systems for Pilots	3
AVI 200	Commercial Pilot I	3
AVI 209	Commercial Pilot II	3
AVI 280	Multiengine Land	1

Advanced Courses		
AVI 220	Flight Instructor Certification Course	4
AVI 222	Instrument Flight Instructor	1
AVI 281	Cockpit Resource Management	3

Other Programs of Study

Tractor Trailer Driver Training

Program Code: X.CDL.CER

Contact Business Training, 217/353-2106

Certificate
Minimum graduation requirement — 7 semester hours

The Tractor Trailer Driver Training course prepares students for an entry-level position in the trucking industry under the direct supervision of a licensed instructor. This program provides 160 hours of training: 40 hours of classroom training, 60 hours of yard skills and 60 hours of road skills. It also includes a Commercial Driver's License learner's permit and endorsement preparation, Department of Transportation log books, map reading, trip planning and Secretary of State Class A road test.

A high school diploma or GED is not required. Students must be able to read and write the English language, be over 21, be able to meet the federal Department of Transportation physical requirements, and have a valid Illinois driver's license at the time of registration. The course will train those 18 and over, but has limited job placement assistance for anyone under the age of 21.

The following may disqualify you from entering the truck driving course:

- A driving record inconsistent with industry standards for entry-level driving positions
- Any substance-related violations on your motor vehicle record in the past three years
- Recent felony convictions or criminal background
- History of drug or alcohol abuse
- History of mental disorder
- Permanent disability or physical limitations

It is recommended that applicants obtain a copy of their Motor Vehicle Report from the Secretary of State's office (Driver's License Bureau) prior to starting the course.

Required Course		**Cr. Hrs.**
TTT 112	Tractor Trailer Driver Training	7
Total Semester Credit Hours		*7*

Courses

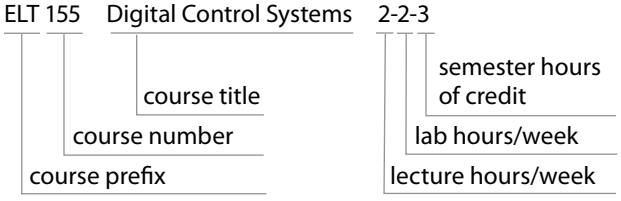
Contents

Course Numbering System

Courses are identified by a code of three letters and three numbers preceding the course title and course description. The three letters identify the subject or program area (ACC = Accounting). The three numbers generally indicate course level:

1. Courses numbered below 100 are designed for students who need additional preparation. Students may enroll in these courses voluntarily or be placed in these courses upon recommendation of a college counselor or advisor. Credit for these courses applies toward the GPA but does not count toward baccalaureate- or career-oriented programs.
2. Courses numbered 100 through 299 and whose second digit is
   - even are generally designated as baccalaureate-oriented (only these courses may be counted as credit toward an A.A., A.S., A.E.S., or A.F.A. degree);
   - odd are generally designated as career- or occupation-oriented (may not be counted as credit toward an A.A., A.S., A.E.S., or A.F.A. degree).
3. Courses numbered 100 through 199 are primarily first-year courses but are offered to all students meeting course prerequisites.
4. Courses numbered 200 through 299 are generally second-year courses and are open to students who have completed their prerequisites.

SAMPLE COURSE LISTING:



5. Courses numbered 500 through 999 are vocational skills courses or continuing education courses. They are available on a credit or no-credit basis. Except for the noncredit courses (with a CMS prefix), vocational skills credit is awarded for courses numbered 500-999, but such credits do not apply toward any GPA nor toward baccalaureate- or career-oriented programs whose courses are numbered 100-299. Courses numbered 500-999 and certain remedial courses cannot be used to qualify for financial aid. For further clarification, contact the Office of Financial Aid or the Counseling and Advising Center.

Illinois Articulation Initiative (IAI) General Education Core Curriculum and Baccalaureate Majors Codes

To assist students in identifying qualifying general education core courses, appropriate course offerings listed on p. 56 as General Education Core Courses for Associate in Arts (A.A.), Associate in Science (A.S.), Associate in Engineering Science (A.E.S.), and Associate in Fine Arts (A.F.A.) degrees are designated with a 900 identification number as follows:

IAI C — Communications
IAI S — Social and Behavioral Sciences
IAI H — Humanities
IAI HF — Humanities/Fine Arts
IAI F — Fine Arts
IAI M — Mathematics
IAI P — Physical Sciences
IAI L — Life Sciences

To assist students in identifying qualifying baccalaureate major courses, course offerings are designated with a 900 identification number as follows:

IAI AG — Agriculture
IAI BIO — Biological Sciences
IAI BUS — Business
IAI CHM — Chemistry
IAI CS — Computer Science
IAI CRJ — Criminal Justice
IAI EGR — Engineering
IAI ENG — English
IAI HST — History
IAI IND — Industrial Technology
IAI MC — Mass Communication
IAI MTH — Mathematics
IAI PLS — Political Science
IAI PHY — Physics
IAI PSY — Psychology
IAI SOC — Sociology
IAI TA — Theatre Arts

*IAI General Education Core Curriculum and Baccalaureate Major codes are approved as of print date of this catalog. IAI codes are subject to change.

Refer to the IAI website at www.itransfer.org for updated information.

Course Offering Code

To assist student program planning, course offerings are designated as follows:

F — Fall semester
S — Spring semester
Su — Summer session
FE — Fall semester in even-numbered years
SE — Spring semester in even-numbered years
SuE — Summer session in even-numbered years
FO — Fall semester in odd-numbered years
SO — Spring semester in odd-numbered years
SuO — Summer session in odd-numbered years

These codes appear at the end of each course description. Courses with no designation are offered on an irregular or on-demand basis.

Course Prefix Listing

*Reserve Officers Training Corps (ROTC)

Credit Courses

The following descriptions are in alphabetical order by subject field; thus, the three letter abbreviated code may not be in alphabetical order. For example, MKT precedes MAT because alphabetically, Marketing precedes Mathematics. The college reserves the right to reproduce student work and retain copies of student work for teaching and exhibition purposes. The college will not be held liable for lost, stolen, or damaged work.

Note: Course fees are given in the class schedule.

Accounting

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

ACC 101 Financial Accounting 4-0-4
(IAI BUS 903) Financial statements as related to investors, creditors, and managers. Includes cash, receivables, inventory, noncurrent assets, investments, liabilities, and equities. F S Su

ACC 102 Managerial Accounting 3-0-3
(IAI BUS 904) Managerial accounting concepts and procedures including classification of costs, job order and process cost systems, budgeting, standard costs and variance analysis, capital budgeting, variable and absorption costing, and cost allocation. Prerequisite: ACC 101. F S Su

ACC 117 Accounting and Bookkeeping 3-0-3
Applied accounting and bookkeeping techniques covering the accounting cycle, special journals and ledgers, adjustments, accounts receivable and accounts payable, bank reconciliation, and payroll. Credit not given for both ACC 101 and ACC 117. F S

ACC 201 Intermediate Accounting 4-0-4
Development, usefulness, and limitation of general financial accounting theory and practice with in-depth study of corporate capital, asset, and liability side of balance sheet, plus an analysis of income and cash flow statements. Use of Excel spreadsheet applications. Prerequisites: ACC 101 and CIS 200 or equivalent. S

ACC 219 Computerized Integrated Accounting 2-2-3
Accounting principles are integrated into computerized format. Develops understanding of computerized applications, including general ledger, accounts receivable, accounts payable, inventory, and payroll. Prerequisites: ACC 101 or ACC 117. Microcomputer experience recommended. F S

ACC 274 Principles of Income Taxation 4-0-4
Introduction to federal income taxation and income tax forms relevant to most taxpayers. Focus on measurement and reporting of taxable income (including property transactions). F

ACC 275 Payroll Tax Accounting 3-0-3
Introduction to payroll accounting, including preparing quarterly and annual payroll tax forms and the use of computer applications. Prerequisite: ACC 101 or ACC 117. S

Agriculture

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

AGB 101 Introduction to Animal Science 3-2-4
(IAI AG 902) Principles of livestock production. Includes animal products, breed identification, livestock selection, genetics and reproduction, nutrition and ration formulation, and livestock management practices. F S

AGB 102 Introduction to Agricultural Economics 4-0-4
(IAI AG 901) Principles of economics as applied to agriculture; basic economic principles, finance, land, marketing, input allocation, and pricing, international trade, agricultural policies, and fiscal and monetary policies. F S

AGB 103 Introduction to Crop Science 3-2-4
(IAI AG 903) Various plant species of economic importance; principles of plant growth, environment, selection, classification, cultural practices; weed, insect, and disease identification and control. F S

AGB 104 Introduction to Horticultural Science 3-2-4
(IAI AG 905) Horticultural crop biology, technology, and industry. Includes classification, plant structure, growth and development, environmental factors, mechanisms of propagation, plant improvement, harvesting, marketing, geography, and aesthetics of horticultural crops (fruits, vegetables, greenhouse, turf, nursery, floral, and landscape). F S

AGB 105 Agricultural Applications of the Computer 3-0-3
(IAI AG 913) Introduction to computer hardware, platform environments, file manipulation, printers and the use of word processing, electronic presentations and communications, graphics, spreadsheet, and database management software; solution of agriculture data-related problems and use of prepared software and templates. F S Su

AGB 106 International Agricultural Field Experience 1-6-3
Role of agriculture in international food production, international trade, governmental policy, and influence of cultural and economic diversity on agriculture; requires a supervised international field experience.

AGB 112 Concepts in Agriculture 1-0-1
Academic and career goal setting and planning for agriculture students, discussion of issues in agriculture, and development of problem-solving and communication skills. F

AGB 133 Introduction to Agricultural Marketing and Standards 2-2-3
Survey of approaches to marketing agricultural products; implications for the producer, consumer, processor, and government; use of grain grading and standardization equipment. S

AGB 135 Agricultural Business Management 4-0-4
Organization and structure of agricultural businesses; resource evaluation, policy development and implementation, functions of management, and laws and taxes that affect business. F S

AGB 155 Agricultural Salesmanship 3-0-3
Role, dynamics, and principles of sales communications as related to food and agriculture; methods for analyzing, setting objectives, planning, conducting, and evaluating sales communications efforts; sales presentations. F S

AGB 170 Equitation I 1-2-2
Fundamentals of equitation with emphasis on balance, control, and safety principles; theory and execution of three gaits with and without stirrups and/or saddle; tack and grooming tools, procedures, and use. Repeatable for a maximum of 8 credit hours.

AGB 191 Agri-Business Work Exploration 0-10-2
Placement in agricultural business for 150 hours of work in career exploration, developing skill requirements, and occupational opportunities. Dual supervision by college staff and cooperating businesses. Prerequisite: completion of 15 semester hours of college credit within the program area in which placement is desired. F S Su

AGB 193 United States Agricultural Field Experience 1-6-3
Role of agriculture in U.S. food production, national trade, governmental policy, and cultural and economic diversity influence on agriculture; requires a supervised national field experience.

AGB 200 Introduction to Soil Science 3-2-4
(IAI AG 904) Fundamentals of soil formation, development, texture, structure, color, temperature, moisture, organisms, organic matter, chemical composition, clay minerals, classification, nutrient testing, fertilizer use, conservation, and management. Includes laboratory projects. F S

AGB 201 Introduction to Agricultural Mechanization 2-2-3
(IAI AG 906) Principles and applications of agricultural mechanization with emphasis on structures, electrification, power sources, and soil and water conservation. S

AGB 202 Introduction to Agricultural Education 3-0-3
Overview of agricultural education and leadership career pathways. Topics include university extension services, teacher certification requirements, and current issues for agricultural education professionals. Students will be required to visit and survey several high school agricultural education programs. S

AGB 209 Companion Animal Management 2-2-3
Discuss many aspects of companion animal ownership. Includes breeding and reproduction, anatomy, nutrition, health care, and animal behavior. Species include dogs, cats, birds, and small animals. Prerequisite: AGB 101 or approval of instructor.

AGB 211 Plant Pest Identification and Control 3-0-3
Identification and control of weeds, insects, and diseases. Control methods include prevention, biological control, resistant varieties, and pesticides. Pesticide terminology, formulations, calibration, environmental concerns, safe handling, and laws and regulations concerning pesticides. Prerequisite: AGB 103 or AGB 104. Su

AGB 212 Weed Identification and Control 0-2-1
Principles and applications of weed control by identifying 70 weed species, 30 herbicides and associated crop/weed response, use of spray equipment, and solving problems related to herbicide use. Prerequisite: AGB 103 or AGB 104. S

AGB 213 Soil Fertility and Fertilizers 3-0-3
Use of fertilizers for peak production at optimum cost; evaluation and comparison of different forms of macro- and micro-nutrients, their manufacture, handling, and application; plant and soil chemistry. Prerequisite: AGB 200. S

AGB 214 Precision Farming Technology 2-2-3
Introduction to the most common tools used in precision farming: global positioning systems, geographic information systems, variable rate technology, and yield monitoring. F

AGB 215 Applications of Geographic Information Systems 3-0-3
Fundamental processes of geographic information systems (GIS) with application to agriculture. File formats, database management, spatial analysis, and manipulation of data. Georeferenced data from mapping and yield monitoring. S

AGB 217 Principles of Animal Feeding and Nutrition 3-0-3
Fundamental principles of animal nutrition with emphasis on practical feeding of livestock, calculation of rations, economic considerations, and new developments in animal nutrition and livestock feeding, composition, properties, values, and use of important feedstuffs. AGB 101 recommended. F

AGB 218 Livestock Management 5-0-5
Fundamentals of livestock production relating to acquisition, processing, herd health, nutrition, marketing, and facility needs of livestock in all stages of production. AGB 217 recommended. Prerequisite: AGB 101 or approval of instructor.

AGB 232 Agricultural Business and Farm Management 4-0-4
This course explores agricultural business management methods including decision making, strategic planning, budgeting, financing, human resources, acquisition of real estate, and appraisal of farmland. Use of spreadsheet programs to assist in management decision making is also examined. F

AGB 233 Grain Marketing 3-0-3
Fundamentals of mechanics of futures and options markets. Emphasis on how individuals should develop grain marketing plans and how and when to use futures and options rather than forward pricing, price-later, speculating, or other choices in management of risk. F S

AGB 236 Agricultural Credit and Finance 2-0-2
Place of credit in farming and agricultural business; use of equity and debt capital as a management tool. Credit analysis as seen by borrower and lender; legal concepts in finance; application of short-term and long-term credit. Prerequisite: AGB 102. S

AGB 238 Grain Merchandising 3-0-3
Fundamentals of accumulating and merchandising grain from perspective of country grain elevator. Emphasis on learning skills and building good habits, with particular emphasis on mechanics of basis trading, while respecting natural market forces. F S

AGB 239 Advanced Grain Marketing 2-0-2
Analysis of agricultural commodity futures markets. Specific fundamental analysis factors, various technical analysis methods, and advanced hedging techniques. Prerequisite: AGB 233 or approval of instructor or department chair. S

AGB 252 Advanced Applications of Geographic Information Systems 3-0-3
Advanced processes of Geographic Information Systems with emphasis on use of raster and vector data in integrated environment; use of raster tools in ArcMap. Prerequisite: AGB 215 or approval of department chair.

AGB 253 Herbaceous Plants 3-0-3
Identification, selection, use, and maintenance of herbaceous (perennial, biennial, and annual) plants in the landscape. Techniques in propagation, growth, and maintenance of herbaceous plants with emphasis on control of pests (weeds, insects, and disease). Prerequisite: AGB 104 or approval of instructor or department chair.

AGB 254 Woody Ornamentals 3-0-3
Identification of deciduous trees, shrubs, and evergreens used primarily in landscaping. Techniques in propagation, growth, and maintenance of trees and shrubs with emphasis on transplanting, pruning, and control of pests. Prerequisite: AGB 104 or approval of instructor or department chair.

AGB 270 Equitation II 1-2-2
Extended instruction on equitation principles, grooming, proper tack, and refinement of skills necessary for riding and instruction; equitation and instruction techniques as outlined by various breed associations. Repeatable for a maximum of 8 credit hours. Prerequisite: AGB 170.

AGB 290 Agri-Business Seminar 1-0-1
Seminar designed to assist students dealing with the management and day-to-day decision making involved in the operation of an agricultural/agri-business firm. Prerequisite: approval for placement. S

AGB 291 Agri-Business Work Experience 0-20-4
Placement in an agricultural business for 300 hours of work experience. Dual supervision by college staff and cooperating business. Prerequisite: completion of 45 semester hours of college credit within the program area in which placement is desired. F S Su

Air Force Aerospace Studies

Admissions and Records
217/351-2482

AFS 121 Foundations of the U.S. Air Force I 1-1-1
Introduction to the United States Air Force and Air Force Reserve Officer Training Corps, including an overview of the basic characteristics, missions, organization, and military communication skills. Prerequisite: approval of instructor. F

AFS 122 Foundations of the U.S. Air Force II 1-1-1
Introduction to the United States Air Force and Air Force Reserve, including an overview of basic characteristics, missions, organization, and military communication skills. Prerequisite: AFS 121 or approval of instructor. S

AFS 221 Evolution of Air and Space Power I 1-1-1
Introduction to Air Force heritage and leaders, introduction to air power through the Cold War, and continued application of communication skills. Prerequisites: AFS 121 or approval of instructor. F

AFS 124 Evolution of Air and Space Power II 1-1-1
Introduction to Air Force heritage and leaders, history of air power through the current military state, and continued application of communication skills. Prerequisite: AFS 221 or approval of instructor.

Anthropology

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

ANT 101 Introduction to Anthropology 3-0-3
(IAI S1 900N) Introduction to the study of humankind. Attention given to humanity as both a living, evolving organism and creator and product of culture. Substantial emphasis placed on cross-cultural material. Prerequisite: ENG 101 placement. F S

ANT 103 Introduction to Cultural Anthropology 3-0-3
(IAI S1 901N) Study of structure and process of culture. Presents major features of culture including subsistence patterns, organizing devices, language, patterns of cultural transmission, political organization, religion, family forms, and cultural change. Examines methods of anthropological research and major theoretical orientations. Prerequisite: ENG 101 placement. F S

ANT 105 Introduction to Physical Anthropology 3-0-3
(IAI S1 902) Introduction to the principles and course of human evolution from the perspective of biological and social sciences; introduction to archaeological methods. Prerequisite: ENG 101 placement. F S

ANT 200 Introduction to Archaeology 3-0-3
(IAI S1 903) General introduction to theory and methods of archaeology. Emphasis placed upon conduct of archaeological research. Archaeology of the Midwest given special attention. For anyone interested in finding out about the past. Optional field trips. Prerequisite: ENG 101 placement.

ANT 220 Field Archaeology 1-2-2
Field studies in archaeology of various sections of North America. Emphasis on prehistoric cultures and on their relationships to biological and geological features of their environment. Prerequisites: an interest in science, good physical health, and approval of instructor or department chair. Su

ANT 289 Topics in Anthropology 3-0-3
Study of selected topics in anthropology. Topics vary according to section and semester and are listed in class schedule. Prerequisite: 3 credit hours in the discipline. Repeatable for a maximum of 6 credit hours.

Applied Learning Skills

Center for Academic Success
217/351-2441 • www.parkland.edu/cas

Designed for the student who wants to learn or improve skills in one or more of the following skill areas: mathematics, reading, study skills, writing, and computer literacy. Specific instructional units are identified based on diagnostic test results and student goals; assignment to an appropriate course is completed by a lab instructor. Individualized instruction is provided on a small-group basis. Grades are determined by conference attendance, weekly evaluation, completion of assigned work and passing mastery tests. ALH, ALM, ALR, ALS, ALV, and ALW credits do not apply toward A.A., A.S., A.E.S., A.F.A., or A.G.S. degree programs.

Applied Learning Skills—Assistive Technology

Center for Academic Success
217/351-2441 • www.parkland.edu/cas

ALS 176 Applying Assistive Technology to Academics I 1-0-1
Exploration and evaluation of various assistive technologies for individual learning needs. Historical development and application to the online environment. Emphasis on online communication and strategies to support effective study skills. F S Su

ALS 177 Applying Assistive Technology to Academics II 1-0-1
Exploration and evaluation of various assistive technologies for individual learning needs. Emphasis on strategies to facilitate comprehension and manipulation of written language. F S Su

ALS 196 Dental Hygiene Board Exam Preparation 2-0-2
Reading-to-learn and memorization strategies, vocabulary building, test preparation and test-taking skills specific to the dental hygiene board exam. Major emphasis on case study analysis.

Applied Learning Skills—Aviation

Institute of Aviation
217/244-8646 • www.parkland.edu/academics/aviation

ALV 101 Private Pilot I Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 101. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 103 Private Pilot I Ground Supplemental 2-0-2
Additional aeronautical experience for proficiency in AVI 101. Covers aerodynamics airplane systems, airport and airplane operations, federal regulations, and airplane safety. Prerequisite: approval of chief pilot. Su

ALV 120 Private Pilot II Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 120. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 128 Commercial Instrument I Ground Supplemental 2-0-2
Additional aeronautical experience for proficiency in AVI 129. Prepares pilots for instrument rating; cross-country flight emphasizing instrument approaches and en-route instrument procedures; and instruction on instrument flying, navigation, aircraft instruments, and regulations. Flight training includes eight hours in flight simulator. Prerequisite: approval of chief pilot.

ALV 129 Commercial Instrument I Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 129. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. FE

ALV 140 Commercial Instrument II Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 140. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 141 Commercial Instrument II Ground Suppemental 2-0-2
Additional aeronautical experience for proficiency in AVI 140. Classroom instruction on instrument maneuvers, aerodynamics, navigation, and aircraft systems. Flight training includes eight hours in flight simulator. Prerequisite: approval of chief pilot. Su

ALV 185 Aircraft Systems Ground Supplemental 2-0-2
Additional aeronautical experience for proficiency in AVI 184. Basic aircraft systems, their components, and theory of operation. Familiarization of Federal Aviation Administration maintenance rules and regulations applicable to pilots. Prerequisite: approval of chief pilot. Su

ALV 200 Commercial Pilot I Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 200. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 209 Commercial Pilot II Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 209. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 220 Flight Instructor Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 220. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 222 Instrument Flight Instructor Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 222. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 280 Multiengine Land Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 280. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. Su

ALV 281 Cockpit Resource Supplemental 0-1-0.5
Additional aeronautical experience for proficiency in AVI 281. Flight hours may be divided between dual instruction or solo flight for students' needs and determined by chief pilot. S/U grading only. Additional flight fee required. Prerequisite: approval of chief pilot. FE

Applied Learning Skills—Health

ALH 136 Pharmacology Medication Calculation Review 1-0-1
Refresher of the 10 rights of medication administration, household, apothecary, and metric systems of measurement. Review of ratio and proportion are emphasized to calculate oral medication dosages, parenteral, IV medication, infusion rates, and piggybacks. Prerequisites: MAT 070 or placement into MAT 080. F S Su

Applied Learning Skills—Math

Center for Academic Success
217/351-2441 • www.parkland.edu/cas

ALM 111 Topics from Prealgebra (A & B) 2-0-2
Number properties; operations with integers; absolute value; simplifying algebraic expressions; linear equations; word problems; perimeter, area. Can be used for modular completion of MAT 060 (formerly MAT 094) per math department chair approval. F S Su

ALM 124 Topics from College Algebra 1-0-1
Study of selected college algebra topics: Relations and functions, linear, polynomial, exponential, and logarithmic models, radicals and complex numbers, systems of equations and matrix methods, determinants and Cramer's Rule, sequences and series, and binomial theorem. May not be used to fulfill MAT 124 course requirement. Repeatable for a maximum of 3 credit hours. F S Su

ALM 125 Topics from College Trigonometry 1-0-1
Trigonometric functions, fundamental identities, graphing, solving trigonometric equations, inverse trigonometric functions, complex numbers, and vectors. May not be used to fulfill MAT 125 course requirement. Repeatable for a maximum of 3 credit hours. F S Su

ALM 128 Topics from Calculus (I) 1-0-1
Selected Calculus I topics from the following: functions; derivative and its applications; integral and its applications; limits and continuity; trigonometric, exponential, logarithmic, and hyperbolic functions. May not be used to fulfill MAT 128 course requirement. Repeatable for a maximum of 3 credit hours. F S Su

ALM 129 Topics from Calculus (II) 1-0-1
Selected Calculus II topics from the following: Conic sections, polar coordinates, methods of integration, applications of integration, parametric equations, indeterminate forms, infinite series. May not be used to fulfill MAT 129 course requirement. Repeatable for a maximum of 3 credit hours. F S Su

ALM 130 Topics from Geometry (A) 1-0-1
Logical reasoning and proofs, definitions and symbols, angle and line relationships. Repeatable for a maximum of 3 credit hours. F S Su

ALM 132 Topics from Geometry (C) 1-0-1
Logical reasoning and proofs, ratio and proportion, similar triangles, right triangles, and arc, angle, and segment relationships in circles. F S Su

ALM 133 Topics from Geometry (D) 1-0-1
Perimeter and area of polygons and circles, volume and surface area of solids. F S Su

ALM 140 Topics from Business Math 1-0-1
Selected topics from: scientific calculator usage; basic arithmetic operations, percentages, payroll, simple and compound interest, annuities, sinking funds, promissory notes, discounting, depreciation, merchandising, retailing, reconciliation, installment loans, periodic loans, mortgage loans, elementary descriptive statistics, spreadsheet applications. May not be used to fulfill MAT 110 course requirement. Repeatable for a maximum of 3 credit hours. F S Su

ALM 160 Topics from Statistics 1-0-1
Selected topics from: data organization, distributions, measures of central tendency and variability, probability, probability functions, sampling, normal distribution, expected value, estimation, hypothesis testing, t-test, chi-square analysis, analysis of variance, regression, correlation, nonparametric methods and decision theory with applications. May not be used to fulfill MAT 160 or MAT 108 course requirements. Repeatable for a maximum of 3 credit hours. F S Su

ALM 194 Topics from Prealgebra (C & D) 2-0-2
Operations with fractions and mixed numbers, decimals, square roots. Ratio and proportion; fraction, decimal, and percent conversion and applications. Applicable towards modular completion of MAT 060 (formerly MAT 094) per math chair approval. F S Su

Applied Learning Skills—Reading

Center for Academic Success
217/351-2441 • www.parkland.edu/cas

ALR 131 Word Attack and Basic Comprehension I 1-0-1
Supplemental tutorial for ESL students with focus on improving English comprehension skills: main ideas, supporting details, inferences, fluency, phonemic awareness, and/or vocabulary building. Individualized instruction, supplemented with learning technology as needed. Repeatable for a maximum of 3 credit hours. F S Su

ALR 132 Basic Comprehension II 1-0-1
Supplemental ESL tutorial for improving English comprehension skills: main ideas, supporting details, inferences, fluency, and/or vocabulary building. Individualized instruction using English expository essay-length and narrative texts, supplemented with learning technology as needed. Repeatable for a maximum of 3 credit hours. F S Su

ALR 133 College Success Strategies I 1-0-1
Small group instruction in syllabus comprehension, time management, study habits, college resource use, college reading and learning strategies for students in CCS 098 or ENG 098. Repeatable for a maximum of 3 credit hours. F S Su

ALR 134 College Success Strategies II 1-0-1
Small group instruction in learning styles analysis, time management, study habits, college resource use, college reading and learning strategies for students in CCS 099, ENG 099, or college-level classes. Repeatable for a maximum of 3 credit hours. F S Su

ALR 135 Study and Test-Taking Skills I 1-0-1
Focus on learning and memory process, effective reading-to-learn strategies, learning styles analysis, practical study and test-taking skills. Practical application to student's other concurrent course(s). Repeatable for a maximum of 3 credit hours. F S Su

ALR 136 Study and Test-Taking Skills II 1-0-1
Focus on learning and memory process, effective reading-to-learn and memorization strategies, test-preparation and test-taking skills, college vocabulary. Practical application to student's other concurrent course(s). Repeatable for a maximum of 3 credit hours. F S Su

ALR 153 Essential Comprehension Skills 1-0-1
Develops comprehension and thinking skills for academic reading. Emphasizes active reading strategies. May be taken with ALR 154 and/or ALR 155 to meet CCS 098 requirements with reading director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALR 154 Essential Vocabulary Skills 1-0-1
Develops vocabulary skills for academic reading. Emphasizes active vocabulary-building strategies. May be taken with ALR 153 and/or ALR 155 to meet CCS 098 requirements with reading director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALR 155 Basic Novel Reading Skills 1-0-1
Uses novel reading to improve comprehension skills and expand vocabulary. May be taken with ALR 153 and/or ALR 154 to meet CCS 098 requirements with reading director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALR 156 Active Reading and the Learning Process 1-0-1
Develops high intermediate reading/study skills with emphasis on active reading and memory/learning processes. May be taken with ALR 157 and/or ALR 158 to meet CCS 099 requirements with reading director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALR 157 Summary and Critical Response Writing 1-0-1
Develops high-intermediate reading and thinking skills through summary and critical response writing. May be taken with ALR 156 and/or ALR 158 to meet CCS 099 requirements with reading director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALR 158 Novel Reading Strategies and Skills 1-0-1
Develops high-intermediate reading and thinking skills through active novel reading and written responses. May be taken with ALR 156 and/or ALR 157 to meet CCS 099 requirements with reading director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALR 191 Advanced Reading Skills I 1-0-1
Develop and practice advanced reading skills with focus on analysis, interpretation, and critical thinking. Students will also write concise summaries and critical responses to advanced reading selections. Repeatable for a maximum of 3 credit hours. F S Su

ALR 192 Advanced Reading Skills II 1-0-1
Practice advanced reading with focus on analysis and interpretation of challenging college-level texts, and critical thinking. Students will also develop skills to write concisely and critically about reading selections. Repeatable for a maximum of 3 credit hours. F S Su

Applied Learning Skills—Science

Center for Academic Success
217/351-2441 • www.parkland.edu/cas

ALN 135 Elementary Chemistry 1-0-1
Fundamental chemistry needed for success in CHE 100, including substances/mixtures, properties of matter, energy, atomic structure, Periodic Table, ions/isotopes, compounds: naming/formulas, metric system, chemical reactions, acids/bases.

ALN 151 EDGE Program\Collaborative Study Lab for BIO 121 0-2-1
Build skills needed to succeed in BIO 121. Small group interaction to solve problems related to core concepts, to enhance study and test taking skills in BIO 121. Prerequisites: concurrent enrollment in BIO 121 and approval of department chair. F S

Applied Learning Skills—Writing

Center for Academic Success
217/351-2441 • www.parkland.edu/cas

ALW 153 Intensive Grammar Instruction 1-0-1
Students will learn to write sentences that demonstrate a command of basic English grammar and punctuation. Correct use of phrases and clauses emphasized. Supplemental tutorial for ESL students. Repeatable for maximum of 3 credit hours. F S Su

ALW 154 Intensive Grammar Instruction II 1-0-1
Students will learn to write paragraphs that demonstrate a command of grammar and punctuation including correct use of period, comma, semicolon, colon, and quotation marks. Supplemental tutorial for ESL students. Repeatable for a maximum of 3 credit hours. F S Su

ALW 155 Writing Effective Sentences 1-0-1
Students will learn to write sentences that effectively utilize language - word choice, sentence structure, punctuation - to enhance their purpose. Emphasis on identification and correction of major sentence errors: run-on, comma splice, and sentence fragments. Repeatable for a maximum of 3 credit hours. F S Su

ALW 156 Writing Effective Paragraphs I 1-0-1
Focus on developing topic sentences and writing paragraphs that utilize topic sentences and concluding sentences to indicate direction and purpose. Emphasis on audience awareness. May be used for modular completion of ENG 098 per CAS director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALW 157 Writing Effective Paragraphs II 1-0-1
Focus on writing paragraphs that develop the topic sentence effectively. Practice use of a variety of writing strategies (narration, description, comparison-contrast, argumentation). May be used for modular completion of ENG 098 per CAS director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALW 158 Writing Effective Paragraphs III 1-0-1
Focus on writing well-organized paragraphs that stay focused on the primary topic and consistently maintain a point of view with appropriate use of transitions. May be used for modular completion of ENG 098 per CAS director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALW 159 Writing Effective Paragraphs IV 1-0-1
Focus on writing paragraphs that exhibit critical thinking and demonstrate some engagement with outside ideas and texts as well as the ability to support chosen positions. May be used for modular completion of ENG 098 per CAS director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALW 192 Writing Effective Essays I 2-0-2
Focus on writing multiple-paragraph essays that support a thesis or controlling idea. Emphasis on direction, purpose, and audience awareness. May be used for modular completion of ENG 099 per CAS director approval. Repeatable for a maximum of 6 credit hours. F S Su

ALW 193 Writing Effective Essays II 1-0-1
Focus on writing multiple-paragraph essays that stay focused on a primary topic and consistently maintain a point of view. May be used for modular completion of ENG 099 per CAS director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALW 194 Writing Effective Essays III 1-0-1
Focus on writing multiple-paragraph essays that support their thesis statements effectively using a variety of writing strategies (e.g., narration, illustration, comparison-contrast, argumentation). May be used for modular completion of ENG 099 per CAS director approval. Repeatable for a maximum of 3 credit hours. F S Su

ALW 195 Writing Effective Essays IV 1-0-1
Focus on writing multiple-paragraph essays that exhibit critical thinking and demonstrate engagement with outside ideas and texts. Repeatable for a maximum of 3 credit hours. F S Su

Arabic

Humanities
217/351-2217 • www.parkland.edu/hum

ARA 101 Beginning Arabic I 5-0-5
For students with little or no previous instruction in the Arabic language. Emphasis on mastery of Arabic alphabet and phonetics; elementary formal grammar and development of reading and writing skills and conversation in formal non-colloquial style. Prerequisite: ENG 101 placement. F S

ARA 102 Beginning Arabic II 5-0-5
Continued acquisition of language skills including phonetics, formal grammar and development of reading and writing skills; further development of communicative competence in formal non-colloquial style. Prerequisite: ARA 101 or equivalent. S

ARA 103 Intermediate Arabic I 5-0-5
Development of intermediate-level communicative competence. Emphasis on speaking, listening, reading, writing, and understanding of Arabic culture. Prerequisite: ARA 102 or equivalent. F

ARA 104 Intermediate Arabic II 5-0-5
Continued development and refinement of intermediate-level communicative competence. Emphasis on listening, speaking, reading, writing, and on Arabic culture. Prerequisite: ARA 103 or equivalent. S

Art

Fine and Applied Arts
217/351-2392 • www.parkland.edu/faa

Initial student expenses for art tools and supplies may be substantial. Though materials vary from course to course, prudent financial planning should include such costs.

ART 121 Two-Dimensional Design 1-5-3
Foundation course in basic design fundamentals: form, balance, rhythm, emphasis, unity, proportion, and space. Exploration of different compositional strategies in a variety of media. Concurrent enrollment in ART 122 recommended. F S Su

ART 122 Drawing I 1-5-3
Skill-oriented beginning representational drawing. Visualizing and basic drawing construction, pathologies of drawing; linear perspective; presentation; elements of line, shape, value, and volume. F S Su

ART 123 Drawing II 1-5-3
In-depth investigation of various drawing media and papers. Design issues, expression, envisioned and observational drawing, pathologies of drawing. Prerequisite: ART 122 with a grade of C or higher. F S

ART 124 Three-Dimensional Design 1-5-3
Foundation course in three-dimensional design fundamentals. Concurrent enrollment in ART 122 recommended. F S

ART 125 Color 1-5-3
In-depth examination of color; exploration and application of color theories and media. F

ART 128 Digital Photography 1-5-3
An introductory course covering the basic principles of digital photography as a fine art medium, including equipment selection and use, image processing, and aesthetics. Prerequisite: basic computer skills. F S Su

ART 129 Photography 1-5-3
Basic techniques and principles of photographic process in visual communication. Practical working use of camera, exposure, developing, and printing in black and white. F S

ART 130 Studio Photography I 1-5-3
Advanced skills with digital camera, lighting, and exposure evaluation. Hands-on experience working in a studio environment will provide creative opportunities to work in areas such as still life, portrait, and commercial work. Prerequisite: ART 128. S

ART 141 Watercolor I 1-5-3
Introduction to transparent watercolor. Emphasis on techniques, materials, and approaches to subject matter. Credit or concurrent enrollment in ART 122 recommended. S

ART 145 Ceramics I 1-5-3
Introduction to ceramic process. Hand-built and wheel-thrown forms; basic problems of forming, decoration, and glazing. For art majors and non-art majors. Repeatable for a maximum of 12 credit hours. F S Su

ART 161 Art History I 3-0-3
(IAI F2 901) Survey of origins and development of visual arts, from prehistoric through Gothic period. F S

ART 162 Art History II 3-0-3
(IAI F2 902) Survey of origin and development of visual arts, Renaissance to present. Influence of past on contemporary art. (Also in Salzburg Program). F S

ART 163 History of Modern Art 3-0-3
(IAI F2 902) History of modernism in art from French Revolution to present with emphasis on contemporary issues. (Also in Salzburg Program) S

ART 164 History of Photography 3-0-3
(IAI F2904) History of photography in art and society from its discovery to present. F

ART 165 Art Appreciation 3-0-3
(IAI F2 900) Introductory survey of visual arts in relation to human society, with aim of providing wide acquaintance with art forms and an appreciation of factors that have determined their development. Includes museum field trips. (Also in Canterbury Program) F S Su

ART 166 Intro to Non-Western Art 3-0-3
(IAI F2 903N) Survey of origins and development of visual arts from cultures other than Western European.

ART 181 Sculpture I 1-5-3
Use of techniques, principles, and materials of sculpture to interpret contemporary subjects in three-dimensional sculptural forms. Aesthetic, historical, and social perspectives explored. F

ART 182 Sculpture II 1-5-3
Continued exploration and development of sculpture media and materials as means of expression. Emphasis on depth of conceptual development, professional presentation, documentation. Repeatable for a maximum of 12 credit hours. F

ART 185 Metalwork and Jewelry I 1-5-3
Basic jewelry and metalworking techniques: sawing, piercing, filing, soldering, cold connections, forming, metal finishing. Repeatable for a maximum of 12 credit hours. Credit or concurrent enrollment in ART 121 recommended. F S

ART 186 Metalwork and Jewelry II 1-5-3
Continuation of ART 185 with greater exploration of conceptual and technical problems. Introduction to silver casting, advanced stone setting, repousse chasing, and inlay. Student may concentrate and research particular technique, while designing and executing individual projects. Repeatable for a maximum of 12 credit hours. Prerequisite: ART 185. F S

ART 201 Painting I 1-5-3
Introduction to techniques and principles of oil painting, preparation of painting surfaces, development of color, and explanation of pictorial space. Credit or concurrent enrollment in ART 122 recommended. (Also in Canterbury Program) F S

ART 202 Painting II 1-5-3
Application of technical painting skills to developing personal expression in response to various types of imagery. Repeatable for a maximum of 12 credit hours. Prerequisite: ART 201. F S

ART 221 Figure Drawing 1-5-3
Use of the figure as basis for anatomical study and accurate representational drawing. Drawing from skeleton and live models. For art majors. Prerequisite: ART 122 (ART 123 is also recommended). S

ART 228 Advanced Digital Photography 1-5-3
Advanced techniques and principles of the digital photographic process in visual communication. Exploration of materials and methods unique to digital photography with an emphasis on art. Prerequisite: ART 128. F S

ART 229 Advanced Photography 1-5-3
Advanced techniques and principles of photographic process in visual communication. Exploration of materials and aesthetics unique to photography with an emphasis on fine art. Advanced development of darkroom skills. Repeatable for a maximum of 12 credit hours. Prerequisite: ART 129. F S

ART 241 Watercolor II 1-5-3
Use of acrylic polymer, gouache, and other water-based media. Advanced problems in transparent and mixed-media watercolor painting. Repeatable for a maximum of 12 credit hours. Prerequisite: ART 141. F S

ART 245 Ceramics II 1-5-3
Continued development of technical ceramic skills including: wheel work, hand building, clay body, glaze formulation. Exploration of past and contemporary ceramic forms and ideas. For art and non-art majors. Repeatable for a maximum of 12 credit hours. Prerequisite: ART 145. F S Su

ART 283 Portfolio Seminar 1-0-1
Under faculty direction, students fine-tune and edit their portfolios, create an artist's statement, and develop their personal resumes. Includes lectures on presentation, demonstrations on taking professional images of artwork, and faculty reviews of final portfolio. Repeatable for a maximum of 2 credit hours. Prerequisites: ART 121, ART 122, ART 123, ART 124, sophomore standing in Art and Design or Art Education, or approval of instructor or department chair. F

Astronomy

Natural Sciences
217/351-2285 • www.parkland.edu/ns

AST 101 The Solar System 3-2-4
(IAI P1 906L) Introductory survey of the universe; historical ideas concerning stars and planets; structure and motions of the earth and moon; planetary motions; physical nature of the sun, planets, comets, asteroids, and meteors; origin and evolution of the solar system. Includes some evening telescope observations. Prerequisite: ENG 101 placement. F S Su

AST 102 Stars, Galaxies, and the Universe 3-2-4
(IAI P1 906L) Star distances, motions, structures, origin, and evolution; white dwarfs, neutron stars, and black holes; atoms and radiation; structures and evolution of galaxies (including the Milky Way) and the universe. Includes some evening telescopic observations. Prerequisite: ENG 101 placement. F S Su

Automotive

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

AFD 110 Automotive Maintenance and Light Repair 3-3-4
Introduction to and application of entry-level skills for automotive maintenance and light repair. Emphasis on vehicle inspections, vehicle lifting procedures, and equipment; engine lubrication system service; and hybrid vehicle service safety precautions. Introduction to OBDII DTC retrieval and monitor readiness. F S

AFD 111 Automotive Powertrain Maintenance and Light Repair 5-5-7
Automotive gasoline internal combustion engine theory of operation. Engine mechanical condition inspection and testing. Cooling system operation, analysis, and testing. Drive axle services and repair. Prerequisite: AFD 110 or department chair approval. F

AFD 112 Introduction to Power Trains 2-2-3 or 3-3-4
Component parts and principles employed in the transference of power from engine to drive axles, clutches, manual transmissions, trans-axles, transfer cases, final drives, and differentials. Prerequisites: AFD 110 and AFD 111 or department chair approval. F

AFD 113 Automotive Chassis Systems Maintenance and Light Repair 5-5-7
Automotive brake and steering system theory of operation, inspection, and service. Emphasis placed on inspection and repair as a maintenance and light repair technician. F S

AFD 115 Basic Chassis Electrical Systems 5-5-7
Theoretical and practical aspects of electricity. Cranking, charging, and accessory systems components and wiring circuits; introduction to semiconductors and electronics. Prerequisite: AFD 110 or department chair approval. S

AFD 117 Basic Automotive Electronics and Computer Control Strategies 2-2-3
Basic automotive electronics fundamentals including solid-state components such as sensors, actuators, and microprocessors. Automotive computer components and control strategies. Use of appropriate diagnostic equipment such as DVMs, oscilloscopes, and scan tools. Prerequisites: AFD 110 and AFD 115 or department chair approval. F

AFD 119 Chassis Electrical/Electronic Systems and Accessories 3-2-4
Advanced study of automotive electrical and electronic circuitry emphasizing ignition, solid state components, and processor-driven systems. Concentration on controlling devices, chassis and body wiring, troubleshooting, diagnostics, and repair procedures. Prerequisites: AFD 110, AFD 115, and AFD 117 or department chair approval. S

AFD 132 Internal Combustion Engine Theory 2-4-4
Application of theory and laboratory situations pertaining to present-day power plants; engine operation, construction, disassembly, precision measuring, machining, and reassembly. F

AFD 153 Brake Systems 3-2-4
Hydraulic brake systems on passenger vehicles and light trucks; disc, drum, biasing valves, and power boosters; use of lathes and other special tools; and ABS. F

AFD 210 Automotive Work Experience Seminar 2-0-2
Preparation for work in the automotive industry, including resume preparation, interviewing, insurance paperwork, and the 10 basic work ethics traits employers seek. Also covers problems specific to the automotive work environment. F

AFD 211 Automotive Work Experience 0-10-2 or 0-20-4
On-the-job work experience for students preparing for employment in the automotive industry. Student is required to have an approved position, appropriate tools, and to speak with instructor prior to start. Prerequisites: AFD 110, AFD 111, AFD 113, and AFD 210 or department chair approval. F S Su

AFD 217 Basic Refrigeration 3-2-4
Construction and operation of mobile refrigerated units with emphasis on maintenance, service, diagnosis, and repair of automotive and light truck air conditioners. Prerequisites: AFD 110 and AFD 115 or department chair approval. S Su

AFD 231 Fuel and Emissions Diagnosis 3-2-4
Diagnosis and service of electronic and computer systems using appropriate tools; fuel system analysis; on-the-vehicle adjustments; operation and maintenance of emission control systems. Drivability diagnosis emphasized. Prerequisites: AFD 110, AFD 113 and AFD 115, or department chair approval. S

AFD 232 Multi-Cylinder Engine Overhaul 2-6-5
Multi-cylinder engine analysis, disassembly, repair, part replacement, and reassembly; development of skills required to make repairs and overhaul multi-cylinder engines. Prerequisites: AFD 110, AFD 111, and AFD 115 or department chair approval. F

AFD 233 Automatic Transmissions 3-3-4
Theory and overhaul procedures for automotive and light truck automatic transmissions. Students work on transmissions in both lab and car, including transaxles. Prerequisites: AFD 110, AFD 111, AFD 112, and AFD 115 or department chair approval. Su

AFD 253 Wheel Alignment, Steering, and Suspension 2 -2 -3
Wheel alignment equipment, setup, and adjustment; suspension systems components and service; steering gears, and power steering; MacPherson strut, front-wheel drive, and four-wheel alignment. Wheels, tires, and balancing will also be covered. F

AFD 272 Motorsport Work Experience I 0-10-2
On-the-job work experience for students preparing for employment in the Motorsport industry. Student is required to have an approved position, appropriate tools, and instructor consent prior to start. Prerequisites: AFD 210 and AFD 298 or department chair approval. F S Su

AFD 273 Motorsport Work Experience II 0-10-2
On-the-job work experience for students preparing for employment in the Motorsport industry. Student is required to have an approved position, appropriate tools, and instructor consent prior to start. Prerequisites: AFD 210 and AFD 298 or department chair approval. F S Su

AFD 290 Engine Performance and Chassis Repair Service Operations 2-2-3
Simulation of automotive repair facility environment, chassis repair, engine testing, and customer relations. Prerequisites: AFD 132, AFD 153, and AFD 253 or approval of instructor or department chair. S

AFD 291 Advanced Electrical and Computer-Control Service Operations 2-2-3
Simulation of automotive repair facility environment, advanced electrical/computer diagnosis and repair. Prerequisites: AFD 115, AFD 117, and AFD 231 or approval of instructor or department chair. S

AFD 295 Service Shop Operations 2-2-3
Simulation of automotive shop situations including customer relations, vehicle diagnosis, repairs, and flat-rate concept. Learn shop practices, reinforce previously learned skills, and make smoother transition to placement experience. Prerequisites: AFD 117 and AFD 232 or department chair approval. S

AFD 296 Motorsport Vehicle System Assessment 2-2-3
Simulation of automotive aftermarket component installation repair shop. Emphasis on component selection, installation, and testing. Students will learn new shop practices, reinforce previously learned skills, and transition smoothly to job placement. Prerequisites: AFD 110 or AFD 297 or department chair approval. Su

AFD 297 Motorsport Concepts and Vehicle Preparation 3-2-4
Introduction to proper motorsport vehicle maintenance, repair, and basic chassis tuning according to specifications set by, but not limited to, NHRA, IHRA, UMP, IMCA, and SCCA. F

AFD 298 Motorsport Chassis Analysis 2-6-5
Application of typical motorsport chassis design, assembly of manufactured frames, and selection of components into a completed chassis for motorsport competition. Prerequisite: AFD 297 or department chair approval. S

Automotive Collision Repair

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

ACR 116 Collision Repair Electrical Analysis 3-2-4
Theory and repair of electrical and electronic systems related to the collision repair industry. Includes electrical theory, DVOM use, wire and circuit repairs, electronic diagnosis of ABS and SIR systems, and schematic usage. Prerequisites: ACR 130, ACR 133, and MAT 131. F

ACR 130 Unibody Construction, Estimating, and Measuring Principles 4-0-4
Overview of collision repair industry; emphasis on unibody vehicles and the repair process. Includes cost estimating and different measuring systems. Prerequisites: approval of program director or department chair and concurrent enrollment in ACR 131 and ACR 133. F S

ACR 131 Collision Repair Work Experience I 0-10-2
Work experience in collision repair designed to reinforce class material. Prerequisites: concurrent enrollment in ACR 130 and ACR 133. F S

ACR 133 Unibody Collision Repair 3-0-3
Straightening systems and tech welding in unibody collision repair; restore corrosion protection; outer panel protection; dent repair, door skins, quarter panels; remove and install fenders, doors, and decklids. Prerequisites: concurrent enrollment in ACR 130 and ACR 131. F S

ACR 134 Collision Repair Work Experience II 0-10-2
Work experience in collision repair designed to reinforce class material and enhance ACR 131. Prerequisite: ACR 131. F S Su

ACR 135 Collision Repair: Glass, Plastic, Trim, and Structural Repair 3-0-3
Second course in collision repair series that develops student repair knowledge. Includes passive restraints, glass work, plastics and plastic repairs, measuring principles, frame straightening techniques, and replacing and repairing structural components. Prerequisite: credit or concurrent enrollment in ACR 130. F S

ACR 136 Collision Repair Work Experience III 0-10-2
Work experience in collision repair designed to reinforce class material and to enhance ACR 134. Prerequisites: ACR 131 and ACR 134. F S Su

ACR 137 Vehicle Prep/Top Coat Application 4-0-4
Collision repair paint systems, refinishing materials, blending techniques, surface preparation, safety practices, painting equipment, applying finish, and paint application problems. Prerequisites: ACR 130 and ACR 131 or approval of instructor or department chair. F S

ACR 154 Collision Repair Mechanical Analysis 3-2-4
Theory and repair of mechanical systems most often affected by collisions; includes steering, suspension, wheel alignment, brakes, air conditioning, and cooling systems. Prerequisite: ACR 130. F S

ACR 155 Custom Automotive Upholstery 2-3-3
Basic and advanced principles of automotive custom upholstery fabrication including repair, design, and identification of materials used in the industry. F Su

ACR 156 Custom Refinish Techniques 1-3-2
Theories of custom refinish and styling: hands-on experience with custom automotive finishes, flames, scallops, shadowing, airbrush, and hidden designs. Prerequisite: credit or concurrent enrollment in ACR 137 or approval of instructor or department chair. F S

ACR 272 Advanced Structural Repair 2-1-2.5
Diagnosis and repair of today's unique vehicle structures emphasizing hydroformed full-frame vehicles, space-frame structures, and aluminum unibody vehicles. Analysis of the vehicle center section. Strategy for making a three-point measurement with computerized measuring systems. Prerequisites: ACR 130, ACR 133, and ACR 154. F

ACR 273 Advanced Vehicle Systems 2-1-2.5
Operation, diagnosis, and repair of advanced vehicle systems including anti-lock brakes, traction control, SRS airbag systems, convenience systems, navigation systems, speed control, power accessories, collision avoidance systems, and active suspensions. Prerequisite: ACR 116 or approval of instructor or department chair. S

ACR 274 Advanced Refinish Techniques 2-1-2.5
Advanced color theory, color evaluation and tinting, mica/pearl control techniques, wet bed blends, let down panels, tri-coats, quad-coats, advanced spot repair, paint defect evaluation and repair. Prerequisite: ACR 137 or approval of instructor or department chair. Su

Automotive Ford ASSET Program

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

AFM 112 Manual Transmission and Drivetrains 3-3-4
Component parts and principles employed in the transference of power from engine to drive axles; clutches, manual transmission, transaxles, axles, differentials, propeller shafts, drive axle suspensions. Students who successfully complete this course will receive certification from Ford Motor Company in Manual Transmission and Transaxle Diagnosis (36S12T0), and Differential and 4WD Systems Diagnosis and Repair (36S17T0). Su

AFM 115 Basic Automotive Electrical/Electronics 5-3-6
Theoretical and practical aspects of electricity. Cranking, charging, and accessory systems components and wiring circuits. Basic fundamentals of electronics. Students who successfully complete this course will receive certification from Ford Motor Company in Basic Electrical Diagnosis (34S14T0). F

AFM 117 Computer Controls and Scan Tools 3-2-4
Automotive computers and control strategies, networks and multiplexing, electrical/electronic accessories, supplemental restraint systems, and introduction to drive-ability. Use of appropriate diagnostic equipment such as DVMs, oscilloscopes, and scan tools, will be emphasized. Students who successfully complete this course will receive certification from Ford Motor Company in Electronic System Diagnosis (34S19T1). Prerequisite: AFM 115. S

AFM 118 Noise, Vibration, and Harshness Principles and Diagnosis 1-2-2
Skills and knowledge required to pinpoint an NVH concern to a vehicle system. All aspects of NVH including fundamentals of NVH, NVH diagnostic tools and equipment, diagnosis of vibration concerns, diagnosis of noise concerns, and diagnosis of harshness concerns. Students who successfully complete this course will receive certification from Ford Motor Company in Noise, Vibration, and Harshness Principles and Diagnosis (30S06T0). S

AFM 132 Internal Combustion Engine 2-4-4
Application of theory and laboratory situations pertaining to present day power plants; engine operation, construction, disassembly, precision measuring, machining, and reassembly. Students who successfully complete this course will receive certification from Ford Motor Company in Engine Repair (32S09T0). S

AFM 153 Brakes and ABS 3-2-4
Hydraulic brake systems on passenger vehicles and light trucks; disc, drum, biasing valves, and power boosters; use of lathes and other special tools; anti-skid systems and stability control systems. Students who successfully complete this course will receive certification from Ford Motor Company in Brake System Diagnosis and Repair (38S07T1) and Advanced Brake System Diagnosis and Service (38S08T1). S

AFM 156 Dealership Operations 2-1-2
Daily operations of modern Ford and Lincoln dealership service departments, including ethical and legal issues. F

AFM 217 Climate Control Systems 3-2-4
Construction and operation of climate control systems with emphasis on maintenance, service, and diagnosis and repair of automotive and light truck air conditioners. Students who successfully complete this course will receive certification from Ford Motor Company in Advanced Climate Control Diagnosis (35S05T0). Su

AFM 233 Automatic Transmissions 4-3-5
Theory, diagnostic, and overhaul procedures for Ford Motor Company automatic transmissions/trans-axles. Students who successfully complete this course will receive certification from Ford Motor Company for Automatic Transmission Service (37S13T1) and Automatic Transmission Advanced Diagnosis (37S15T1). S

AFM 252 Engine Performance 6-4-8
Advanced study of automotive electrical and electronic circuitry emphasizing diagnosis and services of electronic ignition systems, fuel systems, and emission control systems. Driveability diagnosis emphasized. Students who successfully complete this course receive Ford Motor Company Certification in Engine Performance Operation and Diagnosis (31S26T0) and Advanced Engine Performance Diagnosis and Testing (31S28T0). Prerequisites: AFM 115, AFM 117, and Ford Certification Area 34. F

AFM 253 Steering and Suspension 2-2-3
Wheel alignment equipment, setup, and adjustment; suspension systems components and service; steering gears, power steering; struts, front-wheel drive, four-wheel alignment; wheels, tires, and balancing, and electronic steering and suspension systems. Students who successfully complete this course will receive certification from Ford Motor Company in Steering and Suspension (33S15T0). Su

AFM 256 Directed Co-Op I (Dealership) 0-10-2
Work experience sessions will provide the opportunity for students to apply the knowledge and skills obtained during classroom activities including, but not limited to, work ethics and mechanical skills. All work experience sessions must be completed in a Ford or Lincoln dealership as per Ford Motor Company requirements. F

AFM 257 Directed Co-Op II (Dealership) 0-10-2
Work experience sessions will provide the opportunity for students to apply the knowledge and skills obtained during classroom activities including, but not limited to, work ethics and mechanical skills. All work experience sessions must be completed in a Ford or Lincoln dealership as per Ford Motor Company requirements. S

AFM 258 Directed Co-Op III (Dealership) 0-10-2
Work experience sessions will provide the opportunity for students to apply the knowledge and skills obtained during classroom activities including, but not limited to, work ethics and mechanical skills. All work experience sessions must be completed in a Ford or Lincoln dealership as per Ford Motor Company requirements. F

AFM 259 Directed Co-Op IV (Dealership) 0-10-2
Work experience sessions will provide the opportunity for students to apply the knowledge and skills obtained during classroom activities including, but not limited to, work ethics and mechanical skills. All work experience sessions must be completed in a Ford or Lincoln dealership as per Ford Motor Company requirements. S

AFM 270 Diesel Engine Operations 2-2-3
Theoretical and practical operation of both the 6.4L DIT Navistar diesel engine and the Ford 6.7L DIT engine used by Ford Motor Company in their super-duty trucks. Students who successfully complete their course receive Ford Motor Company certification in Diesel Engine Performance and Diagnosis (51S15T0). Prerequisites: credit or concurrent enrollment in AFD/AFM 115 and AFD/AFM 132, and Ford Certification STST area 32 and 34, or approval of instructor or department chair. S

Aviation

Institute of Aviation
217/244-8646 • www.parkland.edu/academics/aviation

AVI 101 Private Pilot I 2-2-3
First of a two-course sequence to prepare for FAA Private Pilot Certification. Covers aerodynamics airplane systems, airport and airplane operations, federal regulations, and airplane safety. Includes 30 hours flight training. Private pilot certification requires completion of AVI 120. Prerequisites: ENG 101 placement; MAT 107 placement; and non-native speakers of English: ibt TOEFL score - min. 85 overall (min. 22 listening; min. 26 speaking). F S

AVI 120 Private Pilot II 2-2.5-3
Second of a two-course sequence to prepare for FAA Private Pilot certification. Covers operation, navigation, night flying and meteorology. Flight training includes use of flight simulator. Private Pilot certificate issued upon successful completion of final examinations. Prerequisite: AVI 101. F S

AVI 129 Commercial Instrument I 2 -2.5 -3
First of two-course sequence to prepare private pilots for instrument rating; cross-country flight emphasizing instrument approaches and en-route instrument procedures; and instruction on instrument flying, navigation, aircraft instruments, and regulations. Flight training includes eight hours in flight simulator. Prerequisite: AVI 120. F S Su

AVI 140 Commercial Instrument II 2 -2.5 - 3
Second of a two-course sequence to prepare the private pilot for the instrument rating. Classroom instruction on instrument maneuvers, aerodynamics, navigation, and aircraft systems. Flight training includes eight hours in flight simulator. Prerequisite: AVI 129. F S

AVI 184 Aircraft Systems for Pilots 3-0-3
Basic aircraft systems, their components, and theory of operation. Familiarization of Federal Aviation Administration maintenance rules and regulations applicable to pilots. Prerequisite: AVI 120 or departmental approval. F S

AVI 200 Commercial Pilot I 2-3-3
Advanced course preparing for FAA Commercial Pilot Certification. Includes cross-country procedures, federal aviation regulations, maintenance inspections, and pilot responsibilities. Emphasizes complex airplane operation and instrument flying procedures. Flight training includes seven hours in a Flight Training Device. Prerequisite: AVI 140. F S

AVI 209 Commercial Pilot II 2-3 -3
Final course preparing for FAA Commercial Pilot Certificate with Instrument Rating. Reviews cross-country procedures, federal aviation regulations, commercial maneuvers, and pilot responsibilities. Emphasizes complex airplane operation and commercial maneuvers. Flight training includes six hours in Flight Training Device. Prerequisite: AVI 200. F S Su

AVI 220 Flight Instructor Certification Course 3 -2-4
Preparation for FAA Flight Instructor (Airplane) certificate. Teaching/learning principles, lesson planning, federal aviation regulations. Flight training includes one hour in flight simulator teaching techniques. One-hour flight check required. Prerequisites: FAA Commercial Pilot Certificate with Instrument Rating and director approval. F S Su

AVI 222 Instrument Flight Instructor 1 -1-1
Flight instruction and supervised training to add Instrument-Airplane rating to Flight Instructor certificate. Instrument operations emphasizing instructional aspects of operations. Includes a one-hour flight test. Prerequisite: FAA Commercial Pilot Certificate with Instrument Rating. F S

AVI 280 Multiengine Land 0.5 -1-1
Instruction and supervised training for commercial pilots to develop skills required for the Multi-Engine Rating. F S Su

AVI 281 Cockpit Resource Management 3 -1-3
Examines societal/cultural, industry, governmental regulatory agency, organizational, group, and individual influences on cockpit behavior and cockpit resource management. Laboratory and flight sections use multi-engine flight simulators and multi-engine aircraft. Students gain experience flying preplanned scenarios in both aircraft and simulators. Prerequisite: AVI 280. F S

Biology

Natural Sciences
217/351-2285 • www.parkland.edu/ns

BIO 100 Introduction to Biology 2-2-3
Basic introduction to biology, including scientific method, chemistry, cell structure and function, DNA and RNA, heredity, cell division, diversity and evolution of life, organ systems, reproduction, biotechnology, and the environment. Designed for those with limited biology course experience who plan to enroll in BIO 101, BIO 104, BIO 106, BIO 107, or BIO 111. F S Su

BIO 101 General Biology 3-3-4
(IAI L1 900L) Survey of biology for students in A.A.S. and baccalaureate-oriented programs. General principles of biology emphasizing cell and organism structure and function, evolution and ecology. Credit not given for both BIO 101 and BIO 141-142 sequence. Prerequisite: ENG 101 placement. F S Su

BIO 104 Environmental Biology and Sustainability 3-3-4
(IAI L1 905L) Examines relationship of humans to their environment, including consideration of natural cycles and balances, populations, energy, hazardous chemicals, air, water, noise, and solid waste pollution. Field trips included. Students are expected to provide own transportation on local field trips. Prerequisite: ENG 101 placement. F S Su

BIO 105 Human Biology 3-3-4
(IAI L1 904L) Provides non-science majors basic principles of human biology in the context of current social issues. An emphasis on the human body and its interconnectedness to health, disease, growth, development, genetics, and evolution, as they relate to individuals and society. Prerequisite: ENG 101 placement. F S

BIO 106 Heredity and Society 3-0-3
(IAI L1 906) Provides non-science majors with fundamentals of genetics and interrelationships between heredity and society. Includes exploration of inheritance, genetic technology, and population genetics. Must be taken with BIO 186 to fulfill life science general education lab requirement. Prerequisite: ENG 101 placement. F S Su

BIO 107 Introduction to Evolution 3-3-4
(IAI L1907L) Topics include the philosophy of science, molecular bases of genetic variation, inheritance, speciation, geological and astronomical bases of biological evolution, history of evolutionary thought, origin of life, and application of evolution on modern society. Prerequisite: ENG 101 placement. F S

BIO 109 Introduction to Plant Biology 3-3-4
(IAI L1 901L) Introduction to the diversity, structure and function, and importance of plant life to ecological and human systems. Emphasis on scientific inquiry of real-world problems involving plant anatomy and growth, responsiveness, evolution, reproduction, economics, and symbiosis of plants. Prerequisite: ENG 101 placement. F S Su

BIO 111 Basic Anatomy and Physiology 3-3-4
Survey of structure and function of the human body. Recommended for students enrolled in the Personal Training Certificate or the Human Services programs or as prerequisite for Massage Therapy. May also be used by students with limited biology background who plan to enroll in BIO 121-122. May not be used as an elective in a program that requires BIO 121-122. F S Su

BIO 120 Fundamentals of Nutrition 3-0-3
Examines food sources and the functions of nutrients, principles of weight management, nutrition requirements during the life cycle, and the relationship between nutrition and health. Stresses practical application of nutrition concepts and explores current nutrition controversies. Prerequisite: ENG 101 placement. F S Su

BIO 121 Anatomy and Physiology I 3-3-4
(IAI L1 904L) Structure/function of human body. Chemistry, fluid/electrolyte/pH, biochemistry/metabolism, cytology histology, skeletal, muscular, nervous systems. Prerequisites: successful completion of HS chemistry, CHE 100, or CHE 106 within three years; or satisfactory score on Parkland's chemistry competency test and ENG 101 placement. F S Su

BIO 122 Anatomy and Physiology II 3-3-4
Continuation of BIO 121 to complete the sequence in anatomy and physiology. Systems/processes covered include special senses, endocrine, circulatory, immune/defense mechanisms, integumentary, respiratory, digestive/metabolism, urinary, reproductive, and human development. Cat anatomy for VTT students in lieu of human anatomy. Prerequisite: BIO 121 or equivalent with a grade of C or higher. F S Su

BIO 123 Microbiology 3-3-4
Basic principles of microbiology; classification, morphological and physiological characteristics of microorganisms, microbial control, pathogenesis and immunity, with associated laboratory assignments. Prerequisite: BIO 101 or BIO 121 or BIO 141 or equivalent with a grade of C or higher. F S Su

BIO 141 Principles of Biology I 4-3-5
(IAI L1 910L, BIO 910) General biology for students concentrating in life science or in a pre-professional health program. Topics include cell biology, bioenergetics, molecular biology, genetics, and biochemistry. Credit not given for both BIO 101 and BIO 141-142 sequence. Prerequisites: ENG 101 placement; and high school chemistry, CHE 100, or equivalent. F S

BIO 142 Principles of Biology II 4-3-5
(IAI L1 910L, BIO 910) Continuation of BIO 141 to complete biology sequence; evolution, diversity of life, structure, and function of animals and plants. Credit not given for both BIO 101 and BIO 141-142 sequences. Prerequisite: BIO 141 or equivalent with a grade of C or higher. F S

BIO 160 Cat Anatomy I 0-3-1
Cat anatomy for VTT students with no prior experience: external anatomy, skeletal system, muscular system, and nervous system. F

BIO 161 Cat Anatomy II 0-3-1
Continuation of BIO 160: special senses, circulatory, respiratory, endocrine, renal and reproductive systems, and gastrointestinal tract. Prerequisite: BIO 160 or equivalent. S

BIO 162 Human Cadaver Anatomy I 0-3-1
Histology and human cadaver anatomy: histology, skeletal, muscular systems, and nervous systems. Designed for health program students who have already completed an anatomy and physiology course equivalent to BIO 121 but who have not had human cadaver lab. Prerequisite: approval of department chair. F S Su

BIO 163 Human Cadaver Anatomy II 0-3-1
Continuation of BIO 162: sense organs, endocrine, circulatory, respiratory, gastrointestinal tract, renal, and reproductive systems will be covered. Designed for health program students who have completed an anatomy and physiology course equivalent to BIO 122 but not had human cadaver lab. Prerequisite: approval of department chair. F S Su

BIO 166 Microbiology Laboratory Principles 0-3-1
Directed laboratory experience designed to enhance general microbiological laboratory skills. Prerequisite: approval of department chair. F S Su

BIO 186 Heredity and Society Laboratory 0-2-1
(IAI L1 906L) Laboratory course to accompany BIO 106 to satisfy general education requirements. Fundamentals of genetics, including human inheritance, population, genetics, and DNA. Prerequisite: credit or concurrent enrollment in BIO 106. F S Su

BIO 225 Pathophysiology 3-0-3
Physiological basis of various conditions in altered health. Focuses on deviation from the normal homeostatic condition. Prerequisites: BIO 111 or BIO 121 and BIO 122 or equivalent with grade C or higher. S

Bricklayer

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

BLA 111 Construction Bricklayer Apprentice I 3-2-4
Fundamentals of bricklaying to supplement on-the-job training for first-year apprentices. Prerequisite: acceptance into the Bricklayers Apprenticeship school. F S

BLA 112 Construction Bricklayer Apprentice II 3-2-4
Fundamental skills essential for apprentice bricklayer including trade mathematics, safety, first aid, blueprint reading, sketching, and stone work. Prerequisite: BLA 111. F S

BLA 113 Construction Bricklayer Apprentice III 3-2-4
Essential skills including trade math, safety, first aid, blueprint reading, sketching, stone work, brick work, and welding. Prerequisite: BLA 112. F S

BLA 114 Construction Bricklayer Apprentice IV 3-2-4
Fundamental skills and information including mathematics, safety, first aid, blueprint reading, sketching, stone work, brick work, and welding trade. Prerequisite: BLA 113. F S

BLA 211 Construction Bricklayer Apprentice V 3-2-4
Fundamental skills including trade mathematics, safety, first aid, blueprint reading, sketching, stone work, brick work, and welding as outlined by the Joint Apprenticeship and Masonry Promotional Trust. Prerequisite: BLA 114. F S

BLA 212 Construction Bricklayer Apprentice VI 3-2-4
Advanced skills as outlined by the Joint Apprentice and Masonry Promotional Trust (JA-AMPT). Prerequisite: BLA 211. F S

BLA 213 Construction Bricklayer Apprentice VII 3-2-4
Advanced skills as outlined by Joint Apprentice and Masonry Promotional Trust (JA-AMPT). Prerequisite: BLA 212. F S

BLA 214 Construction Bricklayer Apprentice VIII 3-2-4
Advanced skills as outlined by Joint Apprentice and Masonry Promotional Trust (JA-AMPT). Prerequisite: BLA 213. F S

Business

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

BUS 101 Introduction to Business 3-0-3
(IAI BUS 911) Survey of areas of business, including marketing, management, and finance for both business and non-business students. Provides opportunity to explore the total business environment and its related careers. F S Su

BUS 106 Business and Organizational Ethics 3-0-3
Introduction to social and ethical issues of business, institutions, and organizations including but not limited to government regulations, consumerism, advertising, client relationships, employee and organizational responsibility, preferential hiring, conflicts of interest, and economic justice. Credit not given for both BUS 106 and PHI 106. Prerequisite: ENG 101 placement. F S

BUS 117 Introduction to Entrepreneurship 3-0-3
Designed for all owners, managers, and employees of existing or proposed small or independent businesses, including nonprofit organizations. Fundamentals of entrepreneurship and small business management; emphasis on organizational, financial, and marketing management. Main activities will be business planning, investigation of information sources, and keys to business success. F

BUS 131 Personal Finance 3-0-3
Overview of financial planning. In-depth study of investments and asset management relating to insurance, retirement, financial, and tax planning. Stocks, bonds, mutual funds, IRAs, real estate, collectibles, and other investments. F

BUS 152 Introduction to Global Business 3-0-3
Entry-level overview of current world trade activities, practices, and issues. Designed to provide student with basic, practical understanding of global business operations in the context of global competitiveness and emerging trading blocks. F

BUS 171 Principles of Banking 3-0-3
Introduction to banking and financial services. Content will focus on bank terminology, financial performance, managing risk and sources of funds, and lending policies and procedures. F

BUS 204 The Legal Environment of Business 3-0-3
Public law and legal environment in which business must operate; background of legal principles and systems. Examines major laws affecting commerce, competition, labor relations, product liability, and consumer protection; contracts, agency, principles of tort, methods of organizing a business, sole proprietorship, corporations, partnerships. F S

BUS 205 Principles of Business Law 3-0-3
Law as it affects business. Examines requirements for contracts, principles of torts and crimes, concepts of property, and disposition of property at death; commercial paper and banking, products liability and warranties, debtor and creditor rights, security devices, and bankruptcy. F S

BUS 217 Advanced Entrepreneurship 3-0-3
Focuses on entrepreneurship and small business management building upon BUS 117. Emphasis on innovation, creativity, and strategies for long-term business success. Main activities include developing a business plan and investigating financing, from loans to venture capital. Prerequisite: BUS 117. S

BUS 245 Business Communications 3-0-3
Study of communication foundations; writing process for business letters, memos, and reports; oral presentation skills; team-building skills. Students will use e-mail and the Internet. Working knowledge of PowerPoint necessary. Prerequisite: ENG 102. F S Su

BUS 250 Business Work Experience I 0-20-4
Students obtain 300 hours of work experience to utilize their studies, expand their perception of work environment, and gain practical experience. Prerequisite: completion of at least 30 semester hours of college credit within program area in which placement is desired. F S Su

BUS 252 Business Work Experience II 0-20-4
Students obtain 300 hours of work experience in job environment that expands experiences gained from BUS 250. Training experiences developed by the employer and faculty member. Prerequisite: BUS 250. F S Su

BUS 264 Introduction to Finance 3-0-3
Introductory course in managerial finance: financial analysis, budgeting, sources of capital (short- and long-term), and cost of capital. Prerequisite: credit or concurrent enrollment in ACC 102. F S

Carpentry

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

CCA 111 Orientation to Carpentry 4-6-6
Introduces new apprentices to the industry, hand tools, power tools, power actuated tools, and blueprint reading.

CCA 112 Occupational Safety and Health .5-1.5-1
Occupational Safety and Health Act 29 CFR 1926, common causes of accidents and fatalities in industry. Students practice applications of standards.

CCA 113 Scaffolding 1-2-2
Specific procedures for erecting frame scaffolds, tube and clamp scaffolds, and system scaffolds, emphasis on OSHA safety regulations. Prerequisites: CCA 111, CCA 112, and current First Aid and CPR card.

CCA 114 Concrete I 1-2-2
Working knowledge of surveying for carpenters. Emphasizes location, layout and basic operation of the builder's level. Theory and application of concrete form systems. Materials used in concrete applications. Prerequisites: CCA 111, CCA 112, and CCA 113.

CCA 115 Interior Systems I 2-2-3
Theory and application of interior systems used in drywall industry, including layout, light gauge metal framing, types of drywall, alternative building materials, solid metal and knock-down door frames.

CCA 116 Interior Systems II 1-2-2
Basic theory, layout, and installation of acoustical and soffit construction.

CCA 117 Residential Framing 1-6-3
Various arrangements, fabricating techniques, selection of materials and equipment to construct floor systems, wall systems, and roof truss systems. Structure, harvesting, identification, and the many uses of wood in construction. Prerequisite: CCA 115.

CCA 118 Interior Trim 1-2-2
Installation of interior wood doors, door and window casings, base shoe, chair rail, and crown molding. Includes proper selection and use of trim tools. Prerequisites: CCA 116 and CCA 117.

CCA 119 Exterior Trim 1-6-3
Basic theory, layout, and installation of aluminum soffit and siding, wood and shingle roof applications, windows and their components. Prerequisites: CCA 116 and CCA 117.

CCA 212 Stairs 1-2-2
Basic theory, calculations, code requirements, safety, proper layout, cutting, and assembly of stairs including open, closed, direction changes, and three step winder. Prerequisites: CCA 118 and CCA 119.

CCA 213 Roof Framing 1-6-3
Basic theory, calculations, and proper layout practices for gable, hip, valley, and jack rafters. Prerequisites: CCA 111 and CCA 212.

CCA 214 Concrete II 1-6-3
Theory and concepts of construction of bridges, stairs, and overhead concrete form systems. Prerequisites: CCA 111 and CCA 212.

CCA 215 Interior Systems III 1-3-2
Theory and installation of computer floors, lath and plaster systems, and fire stop materials. Prerequisites: CCA 213 and CCA 214.

CCA 217 Cabinets/Hardware 1-2-2
Theory and application of installation of cabinets and countertops, various types of hardware including locksets, door closers, and exit devices. Prerequisite: CCA 215.

CCA 218 Concrete III 1-2-2
Theory and application of equipment used for field layout. Transfer of data from field drawings to the Total Station in the field for layout tasks. Theory and concepts of advanced concrete finishing. Prerequisite CCA 114.

Chemistry

Natural Sciences
217/351-2285 • www.parkland.edu/ns

CHE 100 Introduction to Chemistry 3-1-3
Introduction to chemical concepts, including the metric system, moles, chemical composition, atomic structure, bonding, reactions, gases, and thermochemistry. Designed primarily for those with little or no high school chemistry who expect to continue with CHE 101-102. Prerequisite: MAT 071, MAT 072, MAT 081, MAT 095, placement into MAT 098, or recent high school algebra with a grade of C or higher. F S Su

CHE 101 General Chemistry I 4-3-5
(IAI P1 902L, CHM 911) Introduces new concepts and broadens those learned previously; chemical names, formulas, and equations; types of reactions; stoichiometry; thermochemistry; atomic structure and bonding; behavior of gases, liquids, and solids; properties of solutions. Prerequisites: recent high school chemistry or CHE 100 with a grade of C or higher and MAT 086 or MAT 098 with a grade of C or higher. F S Su

CHE 102 General Chemistry II 4-3-5
(IAI CHM 912) Equilibrium reactions (gas, acid/base, solution); nuclear chemistry; electrochemistry; redox reactions, transition metal complexes; properties of metals and nonmetals; rates and mechanisms of reaction. Introduction to organic chemistry and biochemistry. Prerequisite: CHE 101 with a grade of C or higher. F S Su

CHE 104 Chemistry of Everyday Life 3-3-4
(IAI P1 903L) Introduction to chemical concepts through application to common activities in everyday life and modern issues. One-semester survey for non-science majors. F S Su

CHE 106 Chemistry for the Health Professions 3-3-4
(IAI P1 902L) General principles and theories of chemistry and selected topics in organic and biochemistry. Topics are drawn from the health fields. CHE 106 is not intended to replace CHE 101. Prerequisite: MAT 060, MAT 094, or equivalent with a grade of C or higher. F S Su

CHE 107 Chemistry for the Health Professions II 3-3-4
Expanded coverage of the general principles of chemistry and selected topics in organic and biochemistry. Topics drawn from the health fields. CHE 107 is not intended to replace CHE 102. Prerequisite: CHE 106 or equivalent with a grade of C or higher. F S Su

CHE 203 Organic Chemistry I 3-0-3
(IAI CHM 913) Properties, preparations, and reactions of aliphatic and aromatic compounds, alkenes, alkynes, alkyl halides, alcohols. Mechanisms of reactions. Stereochemistry; infrared and nuclear magnetic resonance spectroscopy. Prerequisites: CHE 101 and CHE 102 (one year of general college chemistry) with a grade of C or higher in both. F S

CHE 204 Organic Chemistry Lab I 1-3-2
(IAI CHM 913) Introduction to laboratory techniques relevant to organic chemistry, including synthesis, extraction, separations, and spectroscopy. Prerequisite: credit or concurrent enrollment in CHE 203 or equivalent. F S

CHE 205 Organic Chemistry II 3-0-3
(IAI CHM 914) Properties, preparations, reactions, reaction mechanisms for additional organic functional groups. Spectroscopy. Prerequisite: CHE 203 or equivalent with a grade of C or higher. F S

CHE 206 Organic Chemistry Lab II 1-3-2
(IAI CHM 914) Continued exploration of laboratory techniques relevant to separation, purification, and identification of organic compounds, synthetic methods, and qualitative identification. Credit or concurrent enrollment in CHE 205 is recommended. Prerequisite: CHE 204 with a grade of C or higher. F S

Child Development

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

CHD 105 Child Growth and Development 3-0-3
Theory and principles of development prenatal through adolescence with emphasis on early childhood; physical, cognitive, and social-emotional development according to Piaget, Erikson, Vygotsky, Skinner, and others; gender, family, culture, and societal contexts; implications for professional practice. Prerequisite: ENG 099 placement. F

CHD 115 Socialization and Guidance for the Young Child 2-0-2
Basic theory and influences on children's behavior with an emphasis on social-emotional development. Emphasizes strategies for promoting prosocial behavior in young children. S

CHD 122 Introduction to Early Childhood Education 3-2-4
Study and analysis of preschool/primary educational programs and practices, including techniques/methods utilized in working with young children. Orientation to a variety of child-care settings. Observations in local facilities focus on the purpose and organization of each program. Prerequisite: ENG 099 placement. F

CHD 124 Program Planning for the Young Child 2-2-3
Total planning consistent with developmental needs of children from two to five years of age in child-care situations. Includes workshop experiences in creating teacher-made materials and use of such materials. S

CHD 125 Observation and Assessment 2-2-3
In-depth study of young children through the use of developmentally appropriate, culturally responsive observation and assessment techniques. Practice applying these techniques to plan appropriate programs and monitor children's development. F

CHD 134 Caring for Infants and Toddlers 3-2-4
Development and needs of children under the age of three. Considers the infant in family, day-care home, and day-care center settings. S

CHD 201 Health, Safety, and Nutrition of the Young Child 3-0-3
Provides an overview of personal health of the individual and of children in group settings, including nutrition, health and safety issues, and skills for teaching these concepts to young children. S

CHD 216 Music and the Arts for the Young Child 2-0-2
Methods and planning of activities for aesthetic education for young children, with appropriate experiences in music and music appreciation, movement, drama, and art appreciation. F

CHD 217 Language and Literature for the Young Child 3-0-3
Overview of language skills and activities for encouraging language development in areas of listening, speaking, prewriting, and prereading. Children's literature is introduced; learn and practice skills for using books with children. F

CHD 218 Math and Science for the Young Child 2-0-2
Basic mathematics and science concepts are introduced, acquainting the student with skills and methods appropriate for use with young children. F

CHD 222 Assisting in the Child-Care Center 2-9-4
Students observe/participate in 135 hours in a early childhood program. Focus on observation, interaction, curriculum planning, guidance, and evaluation/reflection on own knowledge, skills, and attitudes. Prerequisites: sophomore standing, CHD 105 or PSY 207, and CHD 115, CHD 122, CHD 124, CHD 125, ENG 101, and approval for placement. F S

CHD 223 Child, Family, and Community 3-0-3
Focuses on the child in the context of family and community. Includes issues of communication, diversity, professionalism, and social policy, and promotes awareness and effective use of community resources. Prerequisite: ENG 099 placement. F

CHD 242 The Exceptional Child 3-2-4
Introduces range of cognitive, physical, social, and emotional special needs in children; identification, intervention strategies, methods, and programs in various settings; applicable laws, requirements, and family issues. Prerequisites: CHD 105 or PSY 207, and ENG 099 or placement. S

CHD 250 Field Experience in the Child-Care Setting 2-15-5
Student participates for 200 hours as an intern in a child-care center; becomes acquainted with teaching and administrative procedures of the center. Prerequisites: CHD 222, CHD 216, CHD 217, CHD 218, ENG 102, sophomore standing, and approval for placement. F S

CHD 260 Administration of Day-Care Centers 3-0-3
Administrative duties in a child-care center; evaluation of child-care centers, development of leadership abilities, and utilization of community resources are emphasized. SE

CHD 272 Administration of the Family Day-Care Home 3-0-3
Knowledge and skills needed to run a family day-care home; setting up a day-care home, business management and administrative skills, child development principles as applicable to home day care, home and community, home and parents. FO

Communication

Fine and Applied Arts
217/351-2392 • www.parkland.edu/faa

COM 101 Introduction to Mass Communication 3-0-3
(IAI MC 911) Provides an overview of the history, nature, functions, and responsibilities of the mass communication industries in a global environment with an emphasis on the media's role in American society. Prerequisite: ENG 101 placement. F S Su

COM 103 Introduction to Public Speaking 3-0-3
(IAI C2 900) Practice and study in public speaking involving informative, persuasive, and problem solution situations and issues. Emphasis on speaker's critical thinking in relation to audience, topic, occasion, and self. ENG 101 and college level reading placement strongly recommended. F S Su

COM 105 Basic News Writing 3-0-3
(IAI MC 919) Introduction to news writing including the techniques of news gathering, reporting, and interviewing, the use of library and online database research methods, and other related skills. Students write basic stories under real time constraints. Prerequisite: ENG 101 with a grade of C or higher. F S

COM 106 Broadcast Writing 3-0-3
(IAI MC 917) Emphasizes writing for visual and audio presentations, including continuity, commercials, public service announcements, news, and special events. Prerequisite: ENG 101 placement. S

COM 120 Interpersonal Communication 3-0-3
Explores communication theory and practice between individuals in workplace and social contexts. Practical application to develop communication competence in areas that include perception, self-concept, listening, verbal and nonverbal skills, communicating across cultures, and conflict management. F S Su

COM 121 Introduction to Advertising 3-0-3
(IAI MC 912) Role of advertising in integrated marketing communication, consumer behavior, creative strategies, and types of media. Practical applications are integrated into the course. Prerequisite: ENG 101 placement. F S

COM 122 Introduction to Public Relations 3-0-3
Provides an overview of the practices, theories, ethics, issues, and problems of public relations. Practical applications are integrated into the course. Prerequisite: ENG 101 placement. F S

COM 140 Voice and Diction 3-0-3
Basic factors of voice and speech sound production. Class study and analysis of variations in spoken English. Individual analysis and guided practice toward improvement of speech habits. F

COM 141 Basic Broadcast Announcing 2-2-3
(IAI MC 918) Broadcast announcing principles and techniques; creating, reading, and delivering commercials, public service announcements, news, and interviews. Participation in promotional events. Introduction to production using Adobe Audition. Practical applications at WPCD, Parkland's 10,500-watt FM radio station. F S

COM 142 Introduction to Radio Production 2-2-3
(IAI MC 915) Audio production techniques and equipment operation; terminology, basic script writing, editing and producing commercials, public service announcements, and newscasting in a studio setting. Advanced use of Adobe Audition. Prerequisite: COM 141. S

COM 144 Video Production I 2-2-3
(IAI MC 916) Introduction to video production in a multi-camera television studio including studio production techniques, video and audio equipment operation, crew positions and responsibilities, lighting, and scriptwriting. Students gain hands-on experience producing videos from concept through digital post-production. F

COM 145 Video Production II 2-2-3
Video production with an emphasis on equipment, techniques, and approaches specific to digital field production, including non-linear digital editing in a post production lab. Students gain hands-on experience producing videos from concept through post-production. S

COM 150 Sports Broadcasting 0-1.5-1
Broadcast techniques and production for sports broadcasting. Producing, directing, performing, editing, interviewing, and study of supportive technologies with emphasis on sports announcing. Extensive field production of Parkland College sports events for audio distribution. Repeatable for a maximum of 6 credit hours. Credit or concurrent enrollment in COM 141 recommended. F S

COM 160 American Sign Language I 4-0-4
Introduction to American Sign Language as used by the hearing impaired. Manual alphabet and introduction of common individual signs. F S Su

COM 181 Communication Practicum 1-1-1
Forensics competition, community communication situations, and/or research projects in the areas of communication. Students prepare speeches and readings for a variety of events. Requires 2.0 GPA. Repeatable for a maximum of 4 credit hours. F S

COM 200 Principles of Group Discussion 3-0-3
Theory and techniques of discussion and problem-solving applied to small group situations to prepare students for working in groups and teams in their careers. Includes small group theory, relationships, problem-solving, research methods, leadership, and conflict resolution. F S

COM 201 Mass Media and Society 3-0-3
Analysis and critical examination of the role of mass media in society with a focus on the developments, impact, and influence of new media technologies on politics, economics, and culture. Prerequisite: credit or concurrent enrollment in ENG 102. S

COM 205 Business and Professional Communication 3-0-3
Theory and practice of workplace oral, written and mediated communication. Presentations include interviewing, briefing/training, persuasion, and group problem solving. Analysis of organizational communication, barrier removal, listening, and leadership. Prerequisite: COM 103 or approval of program director or department chair. S

COM 292 Internship and Seminar 1-12-3
Supervised work experience in approved business or nonprofit organization. Weekly discussions emphasize work ethics. Prerequisites: sophomore standing in Media Arts and Production, Broadcast Technology, Photography, or Graphic Design, and approval of instructor or department chair. F S

COM 293 Portfolio Seminar 2-2-3
Students fine-tune and edit their portfolio; outline a promotional campaign including Internet presence; and develop resumes. Includes lectures on professionalism and presentation skills, demonstration of portfolio production, seminars with industry professionals, and faculty reviews of final portfolio. Prerequisite: sophomore standing and permission of program director or department chair. S

Computer-Aided Drafting

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

CAD 113 Computer-Aided Machine Design I 4-0-4
Design process with practical and computer-aided evaluation of power transmission devices, including gears, shafts, belts, chains, and other components using SolidWorks software. F S

CAD 117 Advanced AutoCAD --- 3D Topics 3-0-3
Advanced techniques in computer-aided drafting: 3D design, show motion, libraries, symbols libraries, scripts, and 3D panel/button customization for AutoCAD. Prerequisite: CAD 124 or equivalent. F S

CAD 121 Materials for Industry 3-0-3
(IAI IND 912) Survey of materials used by design engineers; ferrous metals, nonferrous metals, plastics, and ceramics; testing, heat-treating, finishing, and use of adhesives. S

CAD 122 Computer-Aided Machine Design II 4-0-4
Theory and application of design processes including dimensions, tolerances, assembly, multi-view, and details. Also includes application of the design process to CAD drawings and solid models using SolidWorks software. Prerequisite: CAD 113 or approval of instructor or department chair. F S

CAD 124 Introduction to AutoCAD (Computer-Aided Drafting) 3-0-3
(IAI MTM 911) Introduction to computer-aided drafting using AutoCAD software; architectural, mechanical, and electrical applications. F S Su

CAD 132 Introduction to Microstation CAD 3-0-3
Introduction in computer-aided drafting using Microstation software applied to drawings for structural steel, concrete foundations, and site plans. Prerequisite: credit or concurrent enrollment in CIT 130. F

CAD 214 Introduction to Revit Architecture 3-0-3
Use of Revit Architecture to assemble 3D commercial architectural plans, with an introduction to building information modeling. Prerequisites: CAD 124 and CIT 130. S

CAD 232 Advanced Microstation CAD 3-0-3
Advanced techniques in computer-aided drafting using Microstation and Geopak civil/survey software. Includes plat preparation, highway alignments, surface modeling and electronic survey data processing. Prerequisites: CAD 132 and CIT 130. S

Computer Information Systems

Computer Science and Information Technology
217/353-2099 • www.parkland.edu/csit

CIS 112 Computing Essentials 3-2-4
Introduction to computer operation and software use; terminology, hardware and software fundamentals, word processing, electronic spreadsheets, databases, the Internet, microcomputer operating systems file management, networking fundamentals, programming, and logic. Advising and career choices are addressed. Keyboarding ability expected. F S Su

CIS 122 Introduction to Computer Programming 3-2-4
Introduction to logic and fundamental programming concepts using a common computer language with emphasis on syntax and structure. Design tools such as GUI design and pseudocode. For students in science, mathematics, or technical programs. Prerequisite: MAT 071, MAT 081, or MAT 095 or equivalent. F S Su

CIS 131 Presentation Graphics (MS PowerPoint) 2-0-2
Learn to use PowerPoint to produce professional-looking presentations. Includes presentation management, wizards, importing/exporting, outlining, graphing, integration, hyperlinks, drawing, clip art, and scanning. Credit not given for both CIS 131 and CTC 197 and CTC 198. Prerequisite: keyboarding ability. F S Su

CIS 134 Spreadsheet Applications (MS Excel) 3-0-3
Introduction to spreadsheets using Microsoft Excel; spreadsheet software for various business applications. Data entry, basic spreadsheet commands, worksheet design, formula development, macros, business charts, security and analysis tools. Prerequisite: keyboarding ability. F S Su

CIS 135 Word Processing I (MS Word) 4-0-4
Create, edit, save, print, manage, and merge documents in Microsoft Word. Create tables, headers, footers,macros, Quick Parts, and captions. Credit not given for both CIS 135 and CTC 171, CTC 172, CTC 173, and CTC 271. Prerequisite: keyboarding ability. F S Su

CIS 137 Basic PC Maintenance/OS Concepts 2-2-3
Introduction to microcomputer operating systems. File management, disk organization, memory resource management, system configuration, and disk maintenance. Everyday care and maintenance of your PC. Prerequisite: functional use of mouse and keyboard expected. F S Su

CIS 138 Database Applications (MS Access) 3-0-3
Introduction to database use and applications. Create files and business reports, including file design and maintenance, report generation, and advanced concepts. Credit not given for both CIS 138 and CTC 177, CTC 178, and CTC 179. Prerequisite: keyboarding ability. F S Su

CIS 151 Web Skills and Creating Web Pages 2-0-2
Introduction to basic services available on the Internet. Includes e-mail, search engines, locating and evaluating information, transferring files, bookmarks, social media, security/safety, basic XHTML coding, and beginning CSS to create web pages. Credit not given for both CIS 151 and CTC 133 + CTC 196. F S Su

CIS 152 Web Design I (XHTML/CSS /Dreamweaver) 2-2-3
Basic skills for creating business-oriented websites with a review of HTML, XHTML, and CSS coding. Use of Dreamweaver and online resources for building websites. Credit not given for both CIS 152 and CTC 136 + CTC 137 + CTC 138. F S Su

CIS 156 Keyboarding I 3-0-3
Beginners develop touch typing skills on the computer keyboard; practice in typing letters and simple reports. Credit in this course cannot be used toward graduation requirements for office professional majors. F S

CIS 157 Keyboarding II 3-0-3
Development of computer keyboarding skill in order to rapidly and accurately produce business letters, memos, reports, tables and a resume. Prerequisite: CIS 156 or CTC 135 with grade of B or higher or placement. F S

CIS 170 Office Professional Topics 3-0-3
Overview of office careers field. Workplace attitudes, ethics, and responsibilities. Development of competency in communications, human relations, business ethics, and conflict resolution. F S

CIS 171 Document Preparation and Editing 2-2-3
Transcribing various types of business correspondence from dictated tapes. Strong emphasis on grammar and punctuation usage as well as extensive work in learning to proofread. Prerequisite: typing ability. F S

CIS 200 Business Computer Systems 2-2-3
(IAI BUS 902) Management information systems, systems analysis and design techniques, terminology, equipment, and applications. Hands-on experience with microcomputers including software packages (spreadsheets, database presentation, and word processing) for data analysis and business presentations. F S Su

CIS 211 Visual Basic Programming 2-2-3
Write object-oriented programs to run in a Windows environment using recent release. Covers classes, objects, controls, events, methods, and properties; designing user interfaces and data validation; and accessing sequential and database files. Prerequisite: CIS 122 or approval of department chair. S

CIS 231 Systems Analysis, Design, and Administration 3-0-3
Analysis, design, administration, and documentation of information systems, including requirements modeling, data and process modeling, and human-computer interaction principles. S

CIS 235 Word Processing II (MS Word) 2-0-2
Microsoft Word advanced features: templates, graphics, columns, tables, charts, outlining, styles, and sorting/selecting records. Includes creation of fill-in forms, importing data, and working with shared documents. Prerequisite: CIS 135 with grade of C or higher. F S

CIS 270 Integrated Software Applications 3-0-3
Consolidate and apply skills to real life situations. Microsoft Office integration, web design software, desktop publishing, e-mail, and Internet. Prerequisites: CIS 134, CIS 135, and CIS 138 with grades of C or higher and knowledge of MS PowerPoint. S

CIS 297 Job Seminar 1-0-1
Assists students with locating, preparing for, and conducting job interviews; what to expect in the first job; career opportunities; structure of the data processing industry. Prerequisite: completion of at least 15 hours of concentration courses. F S Su

CIS 298 Work Experience 0-15-3
Students utilize their studies to expand their perception of the work environment and gain practical experience. Prerequisite: approval for placement. F S Su

Computer Science

Computer Science and Information Technology
217/353-2099 • www.parkland.edu/csit

CSC 105 Application of Computers in Business and Commerce 4-0-4
Introduction to computers; hands-on experience with Windows, spreadsheet, database, and introduction to programming. Prerequisite: MAT 071, MAT 081, MAT 095, or equivalent with grade of C or higher. F S Su

CSC 115 Networking I—Routers and Switches 2-2-3
Cisco router and switch configuration, static and dynamic routing, VLANs, NAT, DHCP, and ACL's. CSC 115 and CSC 116 prepare students for the Cisco Certified Network Association Exam. Prerequisite: CSC 130 with a grade of C or higher, or approval of department chair. F S

CSC 116 Networking II—WAN Connectivity 2-2-3
In-depth, hands-on coverage of router configuration for Wide Area Networks, IPv6, OSPF and EIGRP (WAN), Async, PPP, ISDN, frame relay, and the OSPF and EIGRP routing protocols. CSC 115 and CSC 116 prepare the student to take the Cisco Certified Network Associate Exam (CCNA). Prerequisite: credit or concurrent enrollment in CSC 115. F S

CSC 121 Web Design II 2-2-3
(IAI MC 923) Create websites, graphics, and animations. Focus on navigation, user interface design, information architecture, and creation of artwork for the Internet. Emphasis on web standards and becoming advanced users of web authoring software. Prerequisite: CIS 152. F S

CSC 123 Computer Science I (C/C++) 3-2-4
(IAI CS 911) Introductory topics in computer science, intended for computer science and related majors. Emphasis on algorithms, program structure, data types, decision statements, strings, looping, functions, files, classes, objects, and documentation. Prerequisites: CIS 122 and MAT 098 or approval of department chair. F S Su

CSC 125 Computer Science II (C++) 2-2-3
(IAI CS 912) Advanced topics in computer science, C++ object-oriented programming, fundamental data structures, and development of a larger-scale program. Prerequisite: CSC 123 with a grade of C or higher, or an equivalent C programming language course. F S Su

CSC 127 Introduction to Computing (Programming in C) with Engineering Applications 2-2-3
Fundamental principles, concepts, and methods of computing with emphasis on applications in the physical sciences and engineering. Basic problem solving and programming techniques, fundamental algorithms and data structures, use of computers in solving engineering problems and numerical analysis. Course taught using C language. CIS 122 or equivalent programming experience recommended. Prerequisite: MAT 128. F

CSC 128 Introduction to Linux 2-2-3
Comprehensive study of Linux user commands and utilities. History of Linux/UNIX and open source software, Linux file system structure, GNU utilities and commands, secure inter-system communications, text processing, vi editor, bash shell, shell scripting. Hands-on instruction. Prerequisite: CIS 137 or approval of department chair. F S Su

CSC 130 Introduction to Computer Networks 2-2-3
Introduction to local area networks, wide area networks, and the Internet; including hardware, software, terminology, components, design, connections of a network, and topologies and protocols for LANs. Listed objectives for CompTIA Network+ Certification Exam. Prerequisite: CIS 137 or approval of department chair. F S Su

CSC 133 PC Hardware and OS Maintenance 3-2-4
Technical emphasis; operating systems most commonly used on IBM compatible computers; MS Windows; issues related to computer networks and computer architecture. Listed objectives for CompTIA A+ Certification Exam covered in general. Prerequisite: CIS 137 or approval of department chair. F S Su

CSC 140 Computer Science I (Java) 2-2-3
(IAI CS 911)Introduction to computer science and programming using the Java language. Emphasis on problem solving, algorithm design, and program development including data representation, programming constructs, and object-oriented design fundamentals. Prerequisites: CIS 122 and MAT 086 or approval of department chair. F

CSC 150 Wireless Networking and Emerging Technologies 2-2-3
Wireless networking standards and practice, including RF fundamentals and spread spectrum, the 802.11 family of standards, site surveys, hardware installation, troubleshooting, and security fundamentals. Lab component. Prerequisite: CSC 130 or equivalent experience or approval of department chair. F S

CSC 151 MS OS Workstation 2-2-3
Manage Windows workstation including networking, operating system, installation, file system, profiles and policies, security, protocols, internetworking, remote access, printing, and troubleshooting. Listed objectives for Microsoft Windows Workstation Certification Exam covered. Prerequisite: CSC 133 or approval of department chair. F S

CSC 153 MS OS Server 2-3-3
Configure, customize, and troubleshoot Microsoft Network Operating Systems in a single-domain environment. Designing, managing, and deploying DNS, Active Directory Services, sites, trust relationships, group policies, and certificate services. Listed objectives for Microsoft Certified Technology Specialist Exam (MCTS) covered. Prerequisite: CSC 151 or approval of department chair. F S

CSC 155 CGI with Perl 2-2-3
Introduction to Perl programming language, CGI, SQL database, UNIX, scripting, and using Perl to produce server-side web pages and networked applications. Prerequisites: CSC 123 or CSC 140, CSC 128, and basic knowledge of HTML. F S

CSC 159 MS Network Administrator 2-2-3
Planning, deploying, managing, and monitoring a multiple Microsoft Server Environment. Patch, policy, administrative delegation, backup configuration and deployment decisions. Planning a business environment for continuity and high availability. Prerequisite: CSC 153 or approval of department chair. F

CSC 171 Linux Installation and Administration 2-2-3
Fundamental Linux system administration, including X-windowing systems, environment variables, user and group administration, file systems, booting and partitioning, umask and quotas, process management, libraries common to all flavors of Linux. Prerequisite: CSC 128 with a grade of C or higher. F

CSC 175 Scripting 2-2-3
Creation of HTML documents and scripts using various scripting languages. Prerequisite: CIS 152 or department chair approval. F S

CSC 176 Database Theory 3-0-3
Entity relationship model, normalization, database design and methodology, SQL, security, and transaction management. Prior programming experience recommended. F S

CSC 177 Active Server Pages (ASP) 2-2-3
Client-server relationships; application, database, request, response, server and session objects, .NET framework, ad rotators, input validators, datagrids, SQL server connections, custom components, introduction to C# object oriented design, Dreamweaver. Prerequisite: CSC 123, CSC 175, or approval of department chair. F

CSC 179 Digital Media Foundation 2-2-3
Introduction to foundational concepts, processes, applications, theory, and technology behind the digital media industry. Projects focus on fundamental techniques and processes in the digital media production pipeline. F S Su

CSC 186 2D Animation 3-2-4
(IAI MC 924) Introduction to concepts, processes, and history of animation. Emphasis on concepts, storytelling, and principles of motion design. Projects will focus on creating traditional as well as computer assisted animations for digital media using Flash and AfterEffects. Prerequisite: credit or concurrent enrollment in CSC 179 or approval of department chair. F S

CSC 187 3D Computer Animation I 3-2-4
Introduction to the technical and visual design of 3D computer-generated imagery. Fundamentals in 3D modeling, lighting, shading, texturing, and rendering. Prerequisites: credit or concurrent enrollment in CSC 179, background in design, and experience in Windows or approval of department chair. F S

CSC 188 3D Computer Animation II 3-2-4
Principles of animation and cinematography in a 3D digital environment. Animation fundamentals in motion curves, keyframing, reactive animation, and deformations. Cinematic techniques in live-action compositing, lighting, camera composition, and story development. Prerequisite: CSC 187. F S

CSC 189 3D Computer Animation III 3-2-4
Character development and animation in a 3D digital environment. Fundamentals in character design, modeling, texturing, skeletons, kinematics, rigging, motion capture, and character performance. Prerequisite: CSC 188. F S

CSC 191 SQL 3-2-4
Comprehensive coverage of Structured Query Language including data retrieval and manipulation, sorts, joins, subqueries, built-in functions, constraints, objects, transactions, and granting and revoking privileges. F

CSC 192 Database Administration 3-2-4
Comprehensive coverage of relational database architecture including instance, data dictionary views, dynamic performance views, control files, redo log files, diagnostic files, storage, table and index management, data integrity constraints, user and resource control, system and object privileges, and roles. F

CSC 212 Mobile Application Development 3-2-4
Application development for Android mobile devices using Java within the Eclipse integrated development environment. General theory, background, and hands-on experience with principles of mobile software development. Prerequisite: CSC 125 or CSC 140. F S

CSC 220 Data Structures 2 -2 -3
Complex data structures and algorithms including lists, searching and sorting, stacks, queues, trees, graphs, and memory management with emphasis on algorithm analysis. Prerequisite: CSC 125 or CSC 256 with a grade of C or higher. S

CSC 231 Computer Graphics I 3-2-4
Fundamentals of 3D real-time graphics programming. General theory with hands-on programming projects and applications. Concepts include object representation, transformation and viewing, animation, selection, shading, texture mapping, and effects. Prerequisite: credit or concurrent enrollment in CSC 125. F

CSC 233 Animation Scripting 3-2-4
Scripting and programming fundamentals for 3D content and effects creation for digital media applications including gaming, film, and interactive applications. Procedural methods for 3D modeling, animation, shading, and visual effects using 3D animation scripting languages. Prerequisite: CSC 187. S

CSC 236 3D Computer Animation IV 3-2-4
Advanced topics in creating 3D computer-generated imagery and special visual effects, advanced rendering and shading methods, particle and paint effects, soft-bodies and dynamics, and advanced technologies. Prerequisite: CSC 187. F

CSC 239 Web Design III 2-3-3
Advanced website design with emphasis on creative visual communication. Create professional, dynamic, portfolio-quality websites that meet client objectives. Focus on client relationships, concepts, collaboration, craftsmanship, and portfolio building. Prerequisite: CSC 121. F

CSC 250 Computer Network Security 2-0-2
Scope of network security practitioner responsibility, security architecture models, security management practices, physical security, telecommunications security, access controls, monitoring, auditing, risk, response and recovery, cryptography, data communications security, and malicious code. Prerequisite: CSC 130 with a grade of C or higher. F

CSC 251 Advanced Topics in Computer Security 2-2-3
Advanced topics in securing local area networks, including operating system software, application and server software, and networked communications. Upon completion of course students should be prepared to pass Comp TIA Security+ test. Prerequisite: CSC 130 and CSC 153 or CSC 171. S

CSC 256 Computer Science II (Java) 2-2-3
(IAI CS 912)Advanced topics in computer science, object oriented programming using Java, inheritance and polymorphism, linked list and tree data structures, stacks and queues, generic data types using good Object Oriented Design. Prerequisites: CSC 140 with a grade of C or higher. S

CSC 271 Linux Networking and Security 2-3-3
Intermediate Linux networking and security systems management. Kernel configuration, runlevel configuration, networked printing, system documentation, shell scripting, logging and backup strategies, xinetd, firewalls, nfs, and Samba common to all flavors of Linux. Prerequisite: CSC 171 with a grade of C or higher. S

CSC 294 Computer Graphics Portfolio 0-15-3
Design and develop advanced individual or group portfolio projects. Includes development of 3D animated short films, 3D still imagery, gallery exhibit pieces. Repeatable for a maximum of 6 credit hours. F S

Computer Technology Center

Computer Science and Information Technology
217/353-2099 • www.parkland.edu/csit

CTC 110 Beginning Computers 3-0-3
Introduction to entry level computer operation with emphasis on general understanding of terminology, hardware components, file management, and a general overview of Microsoft Office applications.

CTC 119 Microsoft Outlook 1-0-1
Introduction to Outlook, Microsoft's business and personal information management tool: email, address book, calendar, task, and the organization and management of electronic data.

CTC 130 Basic Keyboarding 1-0-1
Self-paced development of fundamental skills in the use of a computer keyboard.

CTC 132 Computer Basics I 1-0-1
An introduction to the basic use of Microsoft Office, word processing, spreadsheets, presentations and databases. F S Su

CTC 133 Internet Basics 1-0-1
First in a sequence of two, one-hour courses that together are equivalent to CIS 151. Introduction to basic services available on the Internet. Includes e-mail, search engines, locating and evaluating information, transferring files, bookmarks, online communications, and security. F S Su

CTC 135 Keyboarding Skill Building 2-0-2
Increasing speed and accuracy in computer typewriting; develops and strengthens use of proper and efficient keyboarding techniques. Prerequisite: typing ability of 25 words per minute with minimum errors.

CTC 136 Web Page Coding Topics 1-0-1
File management, HTML, XHTML, and CSS syntax; internal and external style sheets; inline and custom classes; creating, editing, validating, and publishing websites compliment for W3C coding standards and accessibility guidelines. CTC 136 + CTC 137 + CTC 138 covers the same course content as CIS 152, Web Design I. Prerequisites: computer and Internet experience. F S Su

CTC 137 Dreamweaver I 1-0-1
Introduction to Dreamweaver, SFTP, formatting text, manipulating images, and adding links. Prerequisite: CTC 136. F S Su

CTC 138 Dreamweaver II 1-0-1
Intermediate Dreamweaver including tables, CSS layout, forms, and site optimization. Prerequisite: CTC 137. F S

CTC 139 Computer Basics II 1-0-1
Reviews and builds on tasks/concepts in word processing, spreadsheets, presentations and databases. Prerequisite: proficient in basic fundamentals of Microsoft Office.

CTC 150 Speech Recognition Applications 1-0-1
Introduction to speech recognition software; utilize speech recognition software to input data into the computer.

CTC 151 Dreamweaver III 1-0-1
Create and edit XHTML code, forms, object behaviors, layers, and optimize and validate Web pages with Dreamweaver software. Prerequisite: CIS 152 or CTC 138. F S Su

CTC 152 Flash I 1-0-1
Create two-dimensional drawings, animations, and special effects for Web pages using Macromedia Flash software. Prerequisite: CIS 152 or CTC 136. F S Su

CTC 153 Fireworks I 1-0-1
Create bitmap or vector graphics with dynamic effects for Web pages using Macromedia Fireworks. Prerequisite: CIS 152 or CTC 136. F S Su

CTC 155 Basic Computer Literacy 1-0-1
Introduction to Internet, file management, email, Windows 8, and computer basics.

CTC 157 Google Applications 1-0-1
Introduction to Gmail, Google Drive, Google Search Tools, Google Maps, Chrome Browser, and Blogger.

CTC 171 Word Processing Applications I 1-0-1
Introduction to word processing using Microsoft Word; word processing software for various types of business documents. Prerequisite: keyboarding ability. F S Su

CTC 172 Word Processing Applications II 1-0-1
Word processing using Microsoft Word; word processing software for more complex types of business documents. Prerequisite: CTC 171 or equivalent experience.

CTC 173 Word Processing Applications III 1-0-1
Word processing using Microsoft Word; word processing software for more complex types of business documents. Prerequisite: CTC 172 or equivalent experience.

CTC 174 Spreadsheet Applications I 1-0-1
Introduction to spreadsheets using Microsoft Excel; spreadsheet software for various business applications. No previous spreadsheet experience required.

CTC 175 Spreadsheets Applications II 1-0-1
Spreadsheets using Microsoft Excel; spreadsheet software for more complex business applications. Prerequisite: CTC 174 or equivalent experience.

CTC 176 Spreadsheet Applications III 1-0-1
Spreadsheets using Microsoft Excel; spreadsheet software for more complex business applications. Prerequisite: CTC 175 or equivalent experience.

CTC 177 Database Applications I 1-0-1
Introduction to database applications using Microsoft Access to create tables and queries. No database experience required.

CTC 178 Database Applications II 1-0-1
Database applications using Microsoft Access; to create forms and reports, filter data, and import and export data. Prerequisite: CTC 177 or equivalent experience.

CTC 179 Database Applications III 1-0-1
Database applications using Microsoft Access; complex tables, queries, forms and reports. Prerequisite: CTC 178 or equivalent experience.

CTC 190 Introduction to Publisher 1-0-1
Introduction to basic skills needed to produce publications such as newsletters, brochures, calendars, and business cards using Microsoft Publisher.

CTC 193 Windows 1-0-1
Introduction to basic use of a Windows-based operating system.

CTC 196 Creating Web Pages Using XHTML 1-0-1
File management, basic XHTML coding, and using templates to create web pages. F S Su

CTC 197 Presentation Applications I 1-0-1
Introduction to the use of Microsoft PowerPoint presentation software to produce professional-looking material.

CTC 198 Presentation Applications II 1-0-1
Advanced use of Microsoft PowerPoint software to enhance presentations with customized features.

CTC 271 Word Processing Applications IV 1-0-1
Word processing using Microsoft Word; word processing software for more complex types of business documents. Prerequisite: CTC 173 or equivalent experience.

Construction Design and Management

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

CIT 111 Construction Materials 2-3-3
Primary construction materials, their properties, and proper applications: concrete, asphalt, aggregates, masonry, wood, and steel. Prerequisite: MAT 060 or MAT 094. S

CIT 113 Basic Surveying 2-3-3
Fundamental surveying applications: construction layout, topographic mapping, leveling, distance measurement, angular measurement, computations, and instrument skills. Prerequisite: MAT 071 or MAT 081 or MAT 095 with a grade of C or higher. F S

CIT 114 Plumbing 2-2-3
Demonstration and hands-on training in installation of plumbing pipe, fixtures, and fittings; interpreting plumbing drawings and selection of proper materials. F S

CIT 115 Rough Carpentry 2-2-3
Carpentry hand and power tools. Measurement, layout, and framing methods required in residential construction. Exterior finish carpentry and shingling required in residential construction will be covered by building a structure. F S

CIT 130 Construction Plan Fundamentals 2-3-3
Fundamentals of construction plan interpretation, manual drafting techniques, and industry drafting standards. F S

CIT 132 Surveying Computations 3-2-4
Computational theories and processes relevant to surveying including coordinate geometry, horizontal and vertical alignments, earth volumes, error analysis and adjustment. Prerequisites: CIT 113 and MAT 134. F

CIT 135 Construction Practices and Sustainability 3-0-3
Basic building planning, construction materials, and methods, with emphasis on sustainable practices. Focus on residential and light commercial applications. Drawings, specifications and building codes. Plumbing, electrical, heating, and air conditioning systems and costs. Prerequisite: CIT 130. S

CIT 211 Construction Surveying 2-3-3
Construction layout methods for horizontal and vertical curves, underground pipe layout, building layout, and slope and grade stakes. Introduction to survey-grade GPS methods for construction applications. Prerequisites: CIT 113 and MAT 134. F

CIT 212 Commercial Facility Systems 2-3-3
Overview of the primary systems involved in commercial facility construction: site work, utilities, foundations, structural steel and concrete, exterior finishes, mechanical / electrical / plumbing systems, and interior finishes. Construction plan and specification interpretation, basic review of building code issues, site visits to local construction projects. Prerequisites: CIT 130 and sophomore standing in CDM program or approval of program director or department chair. F

CIT 213 Soil Mechanics 2-2-3
Elementary study of exploring, sampling, testing, and evaluating soil materials and their effects on foundations, subgrades, embankments, and construction practices. Prerequisites: CIT 111 and MAT 134. F

CIT 215 Construction Cost Estimating 4-0-4
Introduction to estimating construction costs using plans and specifications to develop material quantities and costs. Complete residential and commercial estimates prepared. Prerequisites: CIT 130, MAT 134, and sophomore standing in CIT program or approval of program director or department chair. S

CIT 216 Construction Contract Administration 3-0-3
Introduction to construction office practice to familiarize student with specifications for building projects, contracts, project cost accounting, and critical path project scheduling. Prerequisite: sophomore standing in CIT program or approval of program director or department chair. S

CIT 230 Construction Field Experience 0-10-1; 0-20-2; 0-30-3; 0-40-4
On-the-job work experience for students preparing for careers in the construction industry. Students are required to have temporary (or permanent) construction employment prior to enrolling in the course. Students must meet with a construction instructor prior to start. Repeatable 3 times. Prerequisites: successful completion of one semester of Construction Design and Management program and approval of program director or department chair. F S Su

CIT 233 Surveying Field Experience 0-10-1; 0-20-2
On-the-job work experience for students preparing for careers in the surveying industry. Students are required to have temporary (or permanent) surveying employment prior to enrolling in the course. Students must meet with a surveying instructor prior to start. Repeatable 3 times. Prerequisites: CIT 113, CIT 130, CIT 234, CAD 124, or approval of program director or department chair. F S Su

CIT 234 Design Surveying 2-3-3
Survey processes and theories for civil engineering projects, topographic surveys, as-built surveys, route surveys, and related computations. Prerequisites: CIT 113 and MAT 134. S

CIT 235 Control Surveying 2-3-3
Survey processes and theories of control surveying, geodesy, state plane coordinate systems, photogrammetry, and related computations. Prerequisites: CIT 113 and MAT 134. S

CIT 236 Site Development 2-3-3
Overview of planning, design, construction, and inspection processes in site development, including demolition, earthwork, utilities, paving, and civil structures. Plan and specification interpretation; site visits to local projects. Prerequisites: CIT 130 and sophomore standing in CIT program or approval of program director or department chair. S

CIT 253 Legal Aspects of Surveying 2-3-3
Common and statute law; unwritten rights in land and their relationship to land surveys; survey standards; restoration of lost corners; rules of evidence and rights, duties and liability of the surveyor. Prerequisites: CIT 113 and MAT 134. S

CIT 254 Land Surveying 2-3-3
Survey process and theory of land surveying including development of the United States Rectangular System, boundary and retracement surveys, basic survey law, legal descriptions, title search, field monument search and related computations. Prerequisites: CIT 113 and MAT 134 and credit or concurrent enrollment in CIT 253. S

CIT 255 Engineering Surveying 3-3-4
Introduction to surveying for engineering and geographic information science disciplines. Prerequisites: MAT 125 and approval of program director or department chair. F S

Criminal Justice

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

CJS 101 Introduction to Criminal Justice 3-0-3
(IAI CRJ 901) History, development, philosophy, and constitutional aspects of criminal justice procedures and agencies. Interrelationship of various components and processes of the criminal justice system. Prerequisite: ENG 099 placement. F S

CJS 102 Police Administration and Operations 4-0-4
Proactive approach to police organizational management; traditional, scientific, participative, proactive, and other models; administration of a police organization; recruitment and selection of personnel, training policies, planning operations, auxiliary, and staff functions. Patrol function emphasized. Prerequisites: CJS 101 and ENG 101 placement. F S

CJS 104 Introduction to Corrections 3-0-3
Overview of the U.S. correctional system and its processes including its history, evolution of philosophy of sentencing, operation and administration, community corrections, and issues in correctional law.

CJS 127 Juvenile Delinquency 3-0-3
(IAI CRJ 914) Juvenile delinquency analyzed from both legal and sociocultural perspectives: juvenile courts, probation systems, and treatment-prevention facilities examined in relation to the legal processing of delinquents; emphasis placed on sociopsychological variables associated with determinants of delinquency. Prerequisite: ENG 099 placement. F S

CJS 203 Criminal Law and Procedures I 3-0-3
Fundamental doctrines of criminal responsibility; criteria for criminal acts; requisite mental state, criminal parties, causation and defenses, common law crimes; application of the Illinois Criminal Code. Basic criminal procedure and evidence. Prerequisites: CJS 101 and ENG 101 placement. F

CJS 204 Criminal Law and Procedures II 3-0-3
Advanced criminal procedure and evidence: bail, discovery, evidence, exclusionary rules, aspects of the criminal process prior to trial. Right to counsel, arrest, search, interrogation, lineups, and other police practices. Selected ILCS chapters. Prerequisites: CJS 101 and ENG 101 placement. S

CJS 207 Traffic Law Enforcement and Administration 3-0-3
Development, purpose, enforcement, and administration of traffic law; elements of highway transportation system. Prerequisites: CJS 101 and ENG 101 placement. F

CJS 209 Criminal Investigation 4-0-4
Theory and practice of investigations from scene to courtroom. Interviewing, interrogation, case preparation, criminalistic applications. Prerequisites: CJS 101 and ENG 101 placement. F S

CJS 218 Internship and Seminar 1-10-3
Off-campus work experience in an appropriate field. Written reports required along with regular meetings with the faculty member. The student will also do individual research and study in the student's field of interest as approved and directed by the faculty member. Open to criminal justice majors only. Prerequisites: sophomore standing, CJS 102, and 6 additional hours of CJS credit completed prior to enrollment. Students must carry health insurance and pass a criminal background check prior to enrolling in CJS 218. F S

CJS 221 Community Policing and Problem Solving 3-0-3
Examines the history and evolution of community policing coupled with the concept of proactive problem-oriented policing versus reactive incident-driven policing, ensuring that the student truly understands how the two work in tandem. F

CJS 225 Issues in Criminal Justice 3-0-3
Study of specific criminal justice topics and problems in contemporary American society. Emphasis on developing critical thinking skills as the student learns to analyze current problems and issues. Prerequisites: CJS 101 or approval of program director or department chair and ENG 101 placement. S

CJS 292 International Field Experience in Criminal Justice 1-6-3
Explores the role of criminal justice in other countries including police, judicial, and corrections. Examines differing governmental policies and cultural and economic diversity influences on criminal justice. Requires a supervised international field experience.

Critical Comprehension Skills

Humanities
217/351-2217 • www.parkland.edu/hum

Reading Assessment Program
Students enrolling at Parkland must demonstrate college-level reading proficiency. Students may demonstrate reading proficiency by 1) their performance on Parkland's reading assessment test; 2) their ACT or SAT scores; or 3) successful completion (C or higher) of two reading intensive courses transferred from an accredited institution. (Contact the director of reading for questions about interpretation.) Students who do not demonstrate college-level reading proficiency are required to take one or more CCS courses. Students whose reading skills are assessed at a level below Parkland's admission requirement will be referred to other resources.

CCS 098 Critical Comprehension Skills I 3-0-3
Develops intermediate comprehension skills basic to successful academic reading. Students who earn a grade of D or lower in CCS 098 must repeat the course or must demonstrate a CCS 099 or higher reading level by retaking Parkland's reading assessment test. Prerequisite: placement. F S Su

CCS 099 Critical Comprehension Skills II 3-0-3
Develops reading skills basic to successful college-level work. Emphasizes essay analysis and reading efficiency; includes note taking (annotating) and critical thinking. Students who enroll in CCS 099 may concurrently enroll in college-level, reading-intensive courses. Students who earn a grade of D or lower must repeat the course or must demonstrate a college-level reading proficiency by retaking Parkland's reading assessment test. Prerequisite: CCS 098 with a grade of C or higher or placement. F S Su

Customized Career Preparation

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

CCP 111 Customized Career Preparation Portfolio 1-2-2
For persons with specific career goals to determine career field requirements, document requirements already mastered, and formulate an educational plan to achieve mastery of remaining requirements through portfolio preparation. Approval of portfolio and related educational plan is required prior to Customized Career Preparation degree admission. Prerequisite: approval of department chair or dean of career and transfer programs.

Dental Hygiene

Health Professions
217/351-2224 • www.parkland.edu/hp

DHG 110 Applied Head and Neck Anatomy 2-0-2
Gross anatomy of head and neck with special emphasis on maxilla, mandible, and oral soft tissues. Interactions of neuromuscular mechanisms of teeth, supporting structures, and temporomandibular joint. Prerequisites: BIO 121, CHE 100 or equivalent, and admission into Dental Hygiene program. F

DHG 111 Oral and Dental Anatomy 1-2-2
Terms and anatomic structures of the oral cavity, including detailed study of crown and root morphology of both primary and permanent dentitions. Prerequisites: BIO 121, CHE 100 or equivalent, and admission into Dental Hygiene program. F

DHG 112 Dental Histology and Embryology 2-0-2
Introduction to development of human organism with emphasis on face, teeth, and supporting periodontal structures. Application of oral histology in assessing patient's oral health. Prerequisites: BIO 121, CHE 100 or equivalent, ENG 101 placement, and admission into dental hygiene program. F

DHG 113 Introduction to Prevention 1-0-1
Introduction to causes and prevention of dental caries and periodontal disease. Student learns to assess patient needs and to provide information for patient self-care. Prerequisites: BIO 121, CHE 100 or equivalent, and admission into dental hygiene program. F

DHG 114 Pre-Clinic 3-6-5
Introduction to dental hygiene profession with emphasis placed on periodontal debridement. Instrument skills proficiencies performed on student/patients. Prerequisites: BIO 121, CHE 100 or equivalent, ENG 101 placement, and admission into dental hygiene program. F

DHG 115 Seminar I 1-0-1
Continuation of topics related to patient treatment and patient management in DHG 116. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

DHG 116 Clinic I .5-8-2
Continuation of preclinical skill development in the clinical setting treating patients; emphasis on calculus detection, patient rapport, oral hygiene instruction, applying consistent infection control, medical history data gathering, and developing recall systems. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

DHG 117 Dental Radiology I 2-3-3
Theory and procedures for exposing and developing various dental X-ray films; practical experience on mannequins and selected patients; identification, mounting, and general interpretation practiced. Infection control for radiographic equipment is emphasized. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

DHG 118 Pharmacology for the Dental Hygienist 2-0-2
Study of drugs, including their pharmacological effects, adverse reactions, indications, and contraindications as they relate to patient medical history and dental hygiene treatment. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

DHG 119 Alterations of Oral Structures 2-0-2
Study of alterations of basic biological processes as applied to the oral structures. Specific disease entities of local and systemic origin are studied. Prerequisites: DHG 110, DHG 111, DHG 112, DHG 113, DHG 114, and BIO 122. S

DHG 210 Periodontology 2-0-2
Histopathology, etiology, clinical features, and treatment of periodontal infections; emphasizes diagnosis, treatment planning, and management of periodontal patients. Incorporates periodontal case study project to foster the clinical application of course materials. Prerequisites: DHG 212, DHG 215, and DHG 216. F

DHG 211 Local Anesthesia 1.5-.5-1.5
Integration of patient pre-evaluation, pharmacology, recordkeeping, anatomy/neuroanatomy/physiology, techniques, complications, postoperative instructions, and clinical experience in the administration of nitrous oxide and local anesthesia. Clinical sessions are included for students to develop competency in their administration. Prerequisites: DHG 118 and DHG 119. Su

DHG 212 Dental Materials 2-4-3
Study of materials utilized in dental office and laboratory. Infection control in the dental laboratory is emphasized. Prerequisites: DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, BIO 123, and COM 103. Su

DHG 214 Nitrous Oxide/Oxygen Sedation 1-0-1
A comprehensive introduction to conscious sedation (i.e., the administration and monitoring of nitrous oxide and oxygen sedation). Anatomy, physiology, pharmacology, and the ethical and legal aspects of nitrous oxide and oxygen sedation use. Prerequisites: DHG 110, DHG 118, DHG 119, and CPR certification.

DHG 215 Clinic II .5-6-2
Continuation of clinical skill development with emphasis on individualized oral hygiene instruction, medical history analysis, applying infection control, and patient assessment and analysis. Prerequisites: DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, BIO 123, and COM 103. Su

DHG 216 Seminar II 1-0-1
Continuation of topics related to patient treatment and patient management in DHG 215. Prerequisites: DHG 115, DHG 116, DHG 117, DHG 118, DHG 119, BIO 123, and COM 103. Su

DHG 217 Seminar III 2-0-2
Provides information for the dental hygiene care of the medically compromised dental patient. Topics related to patient treatment in DHG 218. Prerequisites: DHG 212, DHG 215, and DHG 216. F

DHG 218 Clinic III 0.5-12-4-
Continuation of clinical skill development with emphasis on the application of concepts learned in DHG 212, DHG 210, and DHG 217. Prerequisites: DHG 212, DHG 215, and DHG 216. F

DHG 219 Clinic IV 0.5-12-4-
Continuation of clinical skill development with emphasis on periodontal maintenance/supportive maintenance and time motion management. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S

DHG 230 Community Dental Health 2-3-3
Knowledge of public health system including community dental health. Dental health education program planning, including assessing, planning, implementing, and evaluating grade school program. Critically analyze research article. Communicate technical dental health information. Prerequisites: DHG 212, DHG 215, and DHG 216. F

DHG 233 Dietary Analysis and Preventive Counseling 2-0-2
Study of role of diet upon building and maintaining of oral structures as applied to dental hygiene patient through analysis of total oral consumption and subsequent preventive recommendations. Prerequisites: DHG 212, DHG 215, and DHG 216. F

DHG 235 Seminar IV 1-0-1
Provides information related to credentialing, consumer issues, current dental hygiene issues, and management skills. Provides information on job interview techniques and developing a resume and cover letter. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S

DHG 236 Ethics and Jurisprudence 1-0-1
Rules of conduct and behavior that guides a dentist's and dental hygienist's practice, ethical and legal behavior expected of a professional, political action and the importance of the relationship between professions and government are discussed. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S

DHG 237 Licensure/Transition to RDH 1-0-1
The role of licensure in the dental hygiene profession. The processes, procedures, requirements, jurisdictions, and cost of becoming licensed to practice dental hygiene in the United States. Preparation for transition from student to licensed professional. Prerequisites: DHG 210, DHG 217, DHG 218, DHG 230, DHG 233, and ENG 101. S

DHG 238 Dental Radiology II .5-0-.5
Continuation of dental radiology theory focusing on the development of interpretation skills of intraoral and extraoral radiographs. Prerequisites: DHG 116, DHG 117, DHG 215, and DHG 218.

Diesel Power Equipment Technology

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

DPE 110 Agricultural and Heavy Equipment Power Trains 2-4-4
Drive trains and components of agricultural machinery and construction/earth-moving equipment; special transmissions, clutch systems, transaxles, differentials, axles, and PTOs; troubleshooting, diagnosis, and repair. Prerequisite: DPE 251 or approval of instructor or department chair. F

DPE 130 Introduction to Diesel Electrical 3-3-4
Theoretical and practical application of Ohm's Law, series, parallel, and series-parallel circuits. Theoretical and practical application of starting and charging circuits. Repair of electrical circuits with an emphasis on proper repair techniques. Must have a DVOM (digital volt ohm meter). F

DPE 135 Introduction to Mobile Hydraulics 2-3-3
Introduction to mobile hydraulics systems, including open, closed, and PFC types.

DPE 151 Diesel Fuel Systems 2-3-3
Fuel systems for diesel engines; principles of operation for pump-style systems; timing of pumps; hands-on laboratory practice including diagnosis, troubleshooting, adjustment, and repair of fuel system components; use of diagnostic equipment. F

DPE 215 Diesel Work Experience I 0-10-2
On-the-job work experience for students in the diesel industry. Students are required to have tool set on internship. Students must meet with a diesel instructor prior to start. Prerequisites: DPE 151, DPE 230, DPE 234, DPE 239, DPE 251, or approval of diesel instructor or department chair. Su

DPE 217 Diesel Work Experience II 0-10-2
On-the-job work experience for students preparing for employment in the diesel industry. Students are required to have tool set on internship. Students must meet with a diesel instructor prior to start. Prerequisites: DPE 151, DPE 230, DPE 234, DPE 235, DPE 239, DPE 251, DPE 254, or approval of diesel instructor or department chair. S

DPE 230 Electronic Systems and Accessories 2-2-3
Installation, analysis, testing, programming, diagnosis, and repair of monitoring systems, instrumentation, and other specialized electronic and computer-controlled equipment on agricultural machinery and heavy equipment. Prerequisite: DPE 130 or approval of instructor or department chair. S

DPE 234 Vehicular Air Conditioning 2-2-3
Principles and theory of air conditioning systems; testing, diagnosis, and repair; certification for handling refrigerants and A/C servicing; laboratory experience of agricultural, heavy equipment and trucks; systems. Prerequisite: DPE 130 or approval of instructor or department chair. S

DPE 235 Advanced Hydraulics 2-1-2
Hydraulic systems of major power equipment; interpretation of fluid hydraulic schematic diagrams; electronic and computer-controlled systems; diagnosing and testing to solve system problems; teardown and repair of systems on agricultural and construction equipment. Prerequisite: DPE 135. S

DPE 236 Equipment Adjustment and Repair 2-4-4
Adjustment, maintenance, and repair of new and used agricultural machinery and/or construction equipment and operational field testing; use operator and service manuals to perform repairs. Prerequisites: DPE 215, DPE 230, DPE 239 and DPE 251. F

DPE 239 Truck Suspension, Steering, and Brakes 1-4-3
Suspension systems, hydraulic and air brakes, and steering mechanisms and systems in motor trucks; theory of operation, diagnosis, and repair with emphasis on performing inspections, preventive maintenance, and required service. Prerequisite: DPE 251 or approval of instructor or department chair. S

DPE 251 Diesel Engine Overhaul 2-4-4
Complete overhaul of a diesel engine and return to field service using an appropriate company service manual; disassembly and reassembly procedure, measuring for wear, machining and overhaul procedures common to a dealership, tune-up and break-in procedures. F

DPE 253 Advanced Diesel Fuel Systems 2-2-3
Diesel fuel systems, principles of computer-controlled diesel engines, emphasis on diagnosis and troubleshooting, understanding user interface with electronic engine software. S

DPE 254 Advanced Power Trains 2-3-3
Troubleshooting and diagnosis of power shift transmissions, pressure and flow testing of transmission oil pumps, pressure testing of clutch packs, calibration of transmission controllers, following step-by-step testing flowcharts for power train diagnostic work. Prerequisites: DPE 110, DPE 135, and/or concurrent enrollment in DPE 235. S

DPE 259 Service Department Implementation 2-2-3
Simulation of service department including diagnostic work, disassembly work, repair work, assembly work, and customer relation skills. Practice labor documentation. Must have diesel program tool set. Prerequisites: DPE 110, DPE 135, DPE 151, DPE 230, DPE 234, and DPE 251, or approval of diesel instructor or department chair. S

Diesel Power Equipment Technology—Case New Holland Program

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

CNH 112 Diesel Engine Theory and Overhaul 3-3-4
Complete disassembly and reassembly of CNH brand diesel engines using appropriate company service manuals; measuring for wear, machining and overhaul procedures common to a dealership; parts evaluation; failure analysis; application of theory of operation and construction; emphasis on returning unit to field service. F

CNH 114 Introduction to Fuel Systems 2-3-3
Principles of operation of mechanical fuel systems for CNH diesel engines, distributor pump style, in-line pump style, timing of pumps, hands-on laboratory practice including tune-up procedures, diagnosis, troubleshooting, adjustment use of diagnostic equipment. F

CNH 119 CNH Dealer Work Experience I 0-5-1
On-the-job work experience for students preparing for employment at a CaseIH, CaseCE or New Holland dealer. Students must meet with a diesel instructor prior to start. Prerequisites: CNH 112, CNH 114, CNH 131, CNH 214, CNH 231, and EST 114. Su

CNH 131 Introduction to CNH Machine Electrical 3-3-4
Theoretical and practical application of machine electrical. Theoretical and practical application of Ohm's Law including series, parallel, and series-parallel circuits. Application of starting and charging circuits and testing equipment. Repair of electrical circuits with an emphasis on proper repair techniques. F

CNH 132 CNH Precision Farming Systems 2-1-2
Theoretical and practical application of CNH precision farming systems as related to Ag and CE equipment: Global Positioning Satellite and Advanced Farming Systems, emphasis on software, product information, calibration and hardware functions. F

CNH 153 Service Department Operations 1-0-1
Broad overview of an Ag and/or CE dealership: focus on proper tool usage, proper diagnostic equipment usage, safety, and time management. F

CNH 155 Introduction to CNH Hydraulic Systems 2-3-3
Introduction to CNH hydraulics systems, open center, closed center, and pressure and flow compensating type systems. F

CNH 171 Introduction to CNH Powertrains 3-3-4
CNH drive trains and components of agricultural and construction equipment, clutch systems, transaxles, differentials, axles, emphasis on disassembly, reassembly and component identification. Prerequisites: CNH 112 and CNH 114. F

CNH 214 Advanced Diesel Fuel Systems 2-2-3
Principles of CNH computer-controlled diesel engines, emphasis on diagnosis and troubleshooting and understanding user interface with electronic engine software. Prerequisite: CNH 114. S

CNH 216 CNH Ag and CE Equipment Air Conditioning 3-1-3
Principles and theory of air conditioning systems used on CNH equipment; testing, diagnosis, and repair; certification for handling refrigerants and A/C servicing. Prerequisite: CNH 131. S

CNH 219 CNH Dealer Work Experience II 0-5-1
On-the-job work experience for students preparing for employment at a CaseIH, CaseCE or New Holland dealer. Students must meet with a diesel instructor prior to start. Prerequisites: CNH 155, CNH 214, CNH 231, CNH 255, and CNH 271. S

CNH 231 Advanced CNH Machine Electrical 3-1-3
CNH machine electrical schematic reading, troubleshooting, diagnosis, and repair of monitoring systems, instrumentation, and other specialized electronic and computer-controlled equipment on CNH machinery and heavy equipment. Prerequisite: CNH 131. S

CNH 255 Advanced CNH Hydraulic Systems 2-2-3
Hydraulic and hydrostatic systems used on CNH equipment; diagnosing and testing to solve system problems; interpretation of fluid hydraulic schematic and diagrams; electronic and computer-controlled systems. Prerequisite: CNH 155. S

CNH 256 CNH Ag and CE Equipment Functions 3-3-4
Setup, repair and operational field testing of new and used CNH agricultural and construction equipment, emphasis on harvesting, planting, and construction equipment. Prerequisites: CNH 112, CNH 119, CNH 214, and CNH 231. F

CNH 271 Advanced CNH Powertrains 2-3-3
Pressure and flow testing of powertrains used in CNH Ag and CE equipment. Calibration of transmissions. Theory and operation of final drives and shuttles. Prerequisites: CNH 171 and credit or concurrent enrollment in CNH 255. S

CNH 291 CNH Service Department Implementation 2-2-3
Simulation of a CNH service department including diagnostic work, disassembly work, repair work and assembly work on CNH equipment. Practice accurate and precise labor documentation. Prerequisites: CNH 155, CNH 171, CNH 216, CNH 231, and CNH 256. S

Dietary Manager

Health Professions
217/351-2224 • www.parkland.edu/hp

DTP 106 Cultural Foods 3-0-3
Study of how foods and culture affect customs and habits. Examines how food patterns, availability, and nutritional status affect cultural traditions. S Su

DTP 112 Introduction to Dietetic Careers 1-0-1
Focuses on a variety of traditional and nontraditional dietetic career paths, including clinical, community, food service, research, and food company settings. F S Su

DTP 114 Nutrition Counseling 3-0-3
Interactive skill building course that provides a variety of dietary counseling theories and behavioral change theories that students will put into action. Prerequisite: credit or concurrent enrollment in BIO 120 or DTP 120. F

DTP 120 Nutrition and Diet Therapy 3-0-3
General nutrition with an emphasis on nutrition related diseases. Diet therapy and why modified diets are prescribed for specific disease states. F S Su

DTP 122 Community Nutrition 3-2-4
Introduces the student to culturally diverse ethnic populations, and local, state, and national community nutrition resources. Prerequisite: credit or concurrent enrollment in BIO 120. S

DTP 126 Nutrition and the Life Cycles 3-0-3
The relationship of nutritional requirements to the stages of the life cycle from conception through aging. Prerequisites: DTP 120 and BIO 120. S

DTP 133 Nutrition Seminar I 1-0-1
In-depth look at current trends in nutrition such as the new food guide my plate, phytochemicals, herbal supplements, and clinical research. F Su

DTP 138 Food Service Seminar I 1-0-1
In-depth look at current trends in food service, such as food and biotechnology, food irradiation, and food safety. S

DTP 175 Food Service Management for Dietary Managers 3-0-3
Food service management and human resource essentials. S

DTP 201 Clinical Nutrition 4-2-5
Diseases of the human body and how they affect nutritional status. Strong emphasis on nutritional assessment and calculation of dietary needs. Prerequisites: DTP 120 and DTP 126. F

Drafting

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

DRT 119 Blueprint Reading and Technical Drawing 3-0-3
Interpretation of working drawings to translate drawings into product. Includes technical sketching to communicate modifications. Dimensioned projections, sectional views, symbols, and schematics are used. F

Earth Science

Natural Sciences
217/351-2285 • www.parkland.edu/ns

ESC 101 Introduction to Weather 3-2-4
(IAI P1 905L) Basic meteorology with emphasis on applying meteorological principles to everyday weather. Topics include warming the earth and atmosphere, earth-sun relationships, air temperature and pressure, winds, humidity, atmospheric circulation, cloud development, precipitation, air masses and fronts, thunderstorms, tornadoes, and hurricanes. Prerequisite: ENG 101 placement. F S Su

ESC 102 Introduction to Physical Geology 3-2-4
(IAI P1 907L) Introduces physical geologic processes, materials, and landforms through lecture, hands-on lab activities, map reading and optional field experiences. Topics include plate tectonics, geologic time, minerals, rocks, volcanoes, weathering, mass wasting, streams, glaciers, groundwater, earthquakes, and rock structures. Prerequisite: ENG 101 placement. F S Su

Economics

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

ECO 101 Principles of Macroeconomics 3-0-3
(IAI S3 901) Introduction to the American economic system with emphasis on macroeconomics, including national income accounting, employment theory, and fiscal and monetary policies. Prerequisite: ENG 101 placement. F S Su

ECO 102 Principles of Microeconomics 3-0-3
(IAI S3 902) Microeconomics, including utility, supply and demand, and product and resource pricing with specific emphasis on associated problems of American economy. Prerequisite: ENG 101 placement. F S Su

ECO 165 Economics and Politics of the European Community 3-0-3
Process and institutions of European economic and political integration; emphasis on European Community countries and countries of the European Free Trade Area. (Salzburg Program only)

Education

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

EDU 101 Introduction to Education 2-2-3
Philosophy and history of American public education and the role of the teacher. Discussion of current issues in education and 30 hours of observation in public schools. A criminal background investigation is required prior to observation. Prerequisite: ENG 101 placement. F S

EDU 103 Introduction to Educational Technology 3-0-3
Builds on basic computer and Internet knowledge; helps students find innovative ways to incorporate technology into lesson plans to meet the needs of all learners. Designed for education majors and individuals teaching full time. F

EDU 104 Introduction to Special Education 3-0-3
Construct understanding of characteristics of exceptional learners, their education including history, categorical definitions, service delivery, legislation, along with principals, strategies and methods of effective instruction. Practical component of course addresses teaching methods and lesson plans incorporating differentiated instruction. Prerequisite: EDU 101.

Electrical Construction Journeyman

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

ECJ 111 IBEW Electrical Construction Journeyman I 2-2-3
Part of IBEW Apprenticeship Program: job site safety, electricians tools, material rigging, basic conduit bending, direct current theory, and series circuit calculations. Prerequisites: acceptance in IBEW Apprenticeship School and MAT 131. F S

ECJ 112 IBEW Electrical Construction Journeyman II 3-2-4
Part of the IBEW Apprenticeship Program: serial and parallel circuits, National Electric Code, and basic blueprint reading. Prerequisite: ECJ 111. F S

ECJ 113 IBEW Electrical Construction Journeyman III 2-2-3
Part of IBEW Apprenticeship Program: codeology as it relates to the National Electrical Code (NEC), measuring processes used in the electrical industry, intermediate conduit bending, and hydraulic, mechanical, and hand benders. Prerequisite: ECJ 112. F S

ECJ 114 IBEW Electrical Construction Journeyman IV 3-2-4
Part of IBEW Apprenticeship Program: inductance and capacitance in AC circuits, National Electrical Code (NEC) standards relating to transformers, transformer theory, design, and calculation, and wiring methods and devices. Prerequisite: ECJ 113. F S

ECJ 115 IBEW Electrical Construction Journeyman V 2-2-3
Part of IBEW Apprenticeship Program: DC/AC review, semiconductors, transistors, SCRs, amplifiers, and electronic applications. Prerequisite: ECJ 114. F S

ECJ 116 IBEW Electrical Construction Journeyman VI 3-2-4
Part of IBEW Apprenticeship Program: National Electrical Code (NEC) Article 250, electrical theory to grounding, grounded conducted, service grounding, earth testing, WYE and Delta 3-phase transformers, and load calculations. Prerequisite: ECJ 115. F S

ECJ 117 IBEW Apprenticeship I 0-16-2
Electrician internship on-the-job component of Electrician Apprenticeship program: work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All on-the-job work-related activities performed under direct supervision of a journeyman. Prerequisite: acceptance in IBEW Apprenticeship School. F S

ECJ 118 IBEW Apprenticeship II 0-16-2
Electrician internship on-the-job component of Electrician Apprenticeship program: work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All on-the-job work-related activities performed under direct supervision of a journeyman. Prerequisite: ECJ 117. F S

ECJ 119 IBEW Apprenticeship III 0-16-2
Electrician internship on-the-job component of Electrician Apprenticeship program: work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All on-the-job work-related activities performed under direct supervision of a journeyman. Prerequisite: ECJ 118. F S

ECJ 211 IBEW Electrical Construction Journeyman VII 2-2-3
Part of IBEW Apprenticeship Program: motor constructions, motor installations, protection, controls, and schematic diagrams. Prerequisite: ECJ 116. F S

ECJ 212 IBEW Electrical Construction Journeyman VIII 3-2-4
Part of IBEW Apprenticeship Program: digital logic, ladder logic, logic circuits and controls, AC motor speed controls, power factoring, power filtering, power harmonics, cable tray, motor control circuits and protection, and hazardous locations. Prerequisite: ECJ 211. F S

ECJ 213 IBEW Electrical Construction Journeyman IX 2-2-3
Part of IBEW Apprenticeship Program: fire alarm systems troubleshooting; fundamentals of instrumentation and equipment used for calibration; telephone wiring and introduction to TIA/EIA standards and codes; high voltage test equipment; air conditioning systems and basic security systems. Prerequisite: ECJ 212. F S

ECJ 214 IBEW Electrical Construction Journeyman X 3-2-3
Part of IBEW Apprenticeship Program: programmable logic controllers (PLC) basics, operation, and installation; designing and programming PLC; National Electrical Code (NEC) for special conditions; and NEC calculations. Prerequisite: ECJ 213. F S

ECJ 215 IBEW Apprenticeship IV 0-16-2
Electrician internship on-the-job component of Electrician Apprenticeship program: work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All on-the-job work-related activities performed under direct supervision of a journeyman. Prerequisite: ECJ 119. F S

ECJ 216 IBEW Apprenticeship V 0-16-2
Electrician internship on-the-job component of Electrician Apprenticeship program: work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All on-the-job work-related activities performed under direct supervision of a journeyman. Prerequisite: ECJ 215. F S

Electrical Residential Wiring Technician

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

ERW 191 Residential Technician Apprenticeship I 0-16-2
On-the-job component of the Residential Wireman Apprenticeship program. Work related to the basics of residential wiring. All on-the-job experience performed under the direct supervision of a journeyman. Prerequisite: admission to Residential Wireman Apprenticeship program.

ERW 192 Residential Technician Apprenticeship II 0-16-2
On-the-job component of the Residential Wireman Apprenticeship program. Work related to the second year of the prescribed program; codeology, AC theory, residential motors and transformers, and lighting and receptacle wiring. All work performed under the direct supervision of a journeyman. Prerequisite: admission to the second year of the Residential Wireman Apprenticeship program.

ERW 193 Residential Technician Apprenticeship III 0-16-2
On-the-job component of the Residential Wireman Apprenticeship program. Work related to third year apprenticeship skills: special purpose outlets, air conditioning and heating, telephone and fiber optic installation, smoke, heat, carbon monoxide and security systems, pools and spas. Prerequisite: admission to the third year of Residential Wireman Apprenticeship program.

ERW 231 Residential Wiring Practices 3-3-4
Residential lighting, special purpose outlets, security systems, swimming pools and hot tubs, hot water heaters. Prerequisite: admission to IBEW Residential Wireman Apprenticeship program.

ERW 232 Residential Code 2-3-3
Boxes and conduits used in residential applications and National Electrical Code (NEC) regulations. Prerequisite: third year status in IBEW Residential Wireman Apprenticeship program.

ERW 233 Residential Motors and Transformers 2-0-2
Motors and transformers commonly used in residential applications. Prerequisite: admission to IBEW Residential Wireman Apprenticeship program.

ERW 234 Telephone and Security Basics 2-0-2
Installation and operation of security and telephone systems. Prerequisite: admission to IBEW Residential Wireman Apprenticeship program.

ERW 235 Residential Fire Alarm and Security 2-0-2
Operation and installation procedures of detection and alarm systems for single family dwellings. Prerequisite: admission to IBEW Residential Wireman Apprenticeship program.

ERW 236 Residential Advanced Technology 6-0-6
Operation and installation of residential cabling systems, including networking, video, audio, home theater. Prerequisite: admission to IBEW Residential Wireman Apprenticeship program.

Electrical Telecommunications Installer/Technician

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

EIT 194 Installer/Technician Apprenticeship I 0-16-2
On-the-job component of the Installer/Technician Apprenticeship program. Work related to the basics of electrical installations. All on-the-job experience performed under the direct supervision of an experienced journeyman. Prerequisite: admission to the IBEW Installer/Technician Apprenticeship program.

EIT 195 Installer/Technician Apprenticeship II 0-16-2
On-the-job component of the Installer/Technician Apprenticeship program. Work related to telephone, paging, security, fire alarm, and LAN systems. All on-the-job experience performed under the direct supervision of an experienced journeyman. Prerequisite: admission to the IBEW Installer/Technician Apprenticeship program.

EIT 196 Installer/Technician Apprenticeship III 0-16-2
On-the-job component of the Installer/Technician Apprenticeship program. Work related to semiconductors, RF communications, CCTV, home theaters and sound reinforcement systems. All on-the-job experience performed under the direct supervision of an experienced journeyman. Prerequisite: admission to the IBEW Installer/Technician Apprenticeship program.

EIT 251 Installer/Technician Telephony 2-0-2
Various types of telephone systems; installation requirements and troubleshooting. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

EIT 252 Paging Systems 2-0-2
Operation, installation and troubleshooting of paging, voice evacuation, and nurse call systems. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

EIT 253 Security & Fire Alarm Systems 1-0-1
Operation, installation and troubleshooting of security, access control and fire alarm systems. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

EIT 254 Local Area Networks 2-0-2
Networking technologies for the installer/technician. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

EIT 255 Installer Code and Grounding 2-0-2
NEC for installer/technicians including wiring methods, optical fiber cables and grounding. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

EIT 256 Semiconductors 1-3-2
Semiconductor properties and operation. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

EIT 257 Advanced Telecommunications Technology 3-0-3
Operation, installation, and troubleshooting of RF communications, CCTV, sound reinforcement systems, automation. Prerequisite: admission to IBEW Installer/Technician Apprenticeship program.

Electronics and Electrical Power

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

ELT 111 Computer Applications for Technicians 2-2-3 or 2-0-2-
Introduction to personal computers, using Windows-based operating system and applications to create and edit technical documents using the Internet, Word, Excel, and PowerPoint. F S

ELT 131 Residential Wiring 2-2-3
Single phase power distribution and transmission systems. Interpretation and use of National Electrical Code; interpretation of blueprints and wiring techniques as applied from service entrance to load. Prerequisite: MAT 060 or MAT 094 or equivalent with a grade of C or higher. F S

ELT 134 Motors, Controls, and Drives 2-2-3
Learn about electrical symbols, ladder and wiring diagrams, used motors and motor control circuits, including DC, single- and three-phase, electromagnetic, and DC and AC electronic controllers. Emphasis on control, wiring, and troubleshooting of motors and control circuits. Prerequisite: ELT 150 with a grade of C or higher. S

ELT 150 Introduction to Electricity and Electronics 2-2-3
DC and AC circuits and test instruments. Following national skill standards (EIA/EIF), includes work habits; basic and practical skills; and survey of motors, relays, and transformers. Prerequisite: MAT 060 or MAT 094 or equivalent with a grade of C or higher. F S

ELT 155 Digital Control Systems 2-2-3
Digital control using a microcontroller; software control of counters, sequencing, logical decisions, digital outputs, digital inputs, analog input to digital conversion, digital to analog output conversion. Prerequisite: credit or concurrent enrollment in ELT 150. S

ELT 171 Analog Control Systems 2-2-3
Characteristics and application of electronic components, and amplifiers. Component identification and testing, circuit construction, operation, and troubleshooting of analog control systems. Prerequisite: ELT 150. S

ELT 179 Industrial Control Devices 2-2-3
Introduction to the electronic control devices and systems used in industry: interface devices, drives, controllers, motors, process control and instrumentation, industrial process techniques, detectors, sensors, and programmable controllers. F

ELT 191 Security and Home Automation 2-2-3
Security, surveillance, and automation controls. Components, systems and the structured wiring used in home security, automation, and entertainment. Mechanical, environmental, and electrical requirements for distributing and interfacing security systems, automation controls, communication, and entertainment in homes. Prerequisite: ELT 150. F

ELT 231 Programmable Controllers 2-2-3
Programmable logic controllers with emphasis on creating application programs to solve control problems. Course includes an overview of PLC systems, number systems, I/O modules, basic and advanced instructions, system configuration, and troubleshooting. Prerequisite: ELT 179. S

ELT 292 Process Control 2-2-3
Process control concepts using advanced capabilities of PLC systems: Interfacing devices, process controllers, pressure, temperature, flow and level measurement, A/D, D/A, PID control, and Human Machine Interface (HMI) using RSView32 to monitor and control machines and processes. Prerequisite: ELT 231. F

ELT 293 Industrial Control Networks 2-2-3
Control networks used in industry; devices, media, protocols, and test equipment used to control devices and acquire data. Serial, DH-485, device net, CAN. Prerequisite: sophomore standing or approval of instructor or department chair. S

ELT 295 Modicon Automation and Control 2-2-3
Modicon M340 automation controller, configure I/O and data communications, create control programs using IEC 61131-3 international languages to include function block diagrams, structured text, and ladder diagram programming. Interfacing and programming touchscreen terminals. Prerequisite: ELT 231. S

ELT 299 Robotics and Automation 2-2-3
Robotics fundamentals: capabilities and applications, mechanical and electrical requirements, operation, and programming. Automation techniques and devices, controls and feedback mechanisms, servo motors and motion control. Prerequisite: sophomore standing or approval of instructor or department chair. F

Emergency Medical Services

Health Professions
217/351-2224 • www.parkland.edu/hp

EMS 110 Emergency Medical Technician 3-6-5
Role and responsibilities of the emergency medical technician. Skills in patient interaction, diagnosis, and emergency medical treatment. Upon successful completion, the student is eligible to take the Illinois EMT-B Certification Examination. F S

EMS 113 Paramedic I 5.5-7.5-8
Occupation, history, and leadership skills. Assessment/management: accident scene, growth and development, and airway. Identify medical, legal, and ethical issues. Terminology, pathophysiology, cellular growth/adaptation, fluid balance, and body responses to illness/accidents. Pharmacology and intravenous therapy. Community Education. Prerequisites: acceptance into Paramedic Program, current BLS card, and BIO 111. Su

EMS 114 Paramedic II 7-5-8.5
Advanced level of patient assessment, critical thinking, and decision making skills. Communication skills including radio communication assimilations. Pathophysiology of pulmonary and cardiac system including EKG rhythm interpretation and treatment modalities. Prerequisite: EMS 113. F

EMS 115 Paramedic III 7-5-8.5-
Advanced treatment for reproductive, gynecological conditions, diseases, and emergency modalities. Assessment and treatment of geriatric patients, psychological disorders, and traumas. Ambulance operations, HAZMAT, and MEMSI operations. Prerequisite: EMS 114. S

Engineering Science

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

ENS 101 Introduction to Engineering and CAD 2-3-3
(IAI EGR 941) Introduction to engineering and design, including drafting, dimensioning, tolerancing, fasteners, and descriptive geometry. Engineering graphics topics include multi-view orthographic representations, principal auxiliary views, section views, and production drawings. Prerequisite: credit or concurrent enrollment in MAT 128. S

ENS 201 Engineering Mechanics I (Statics) 2-2-3
(IAI EGR 942) Analysis of two- and three-dimensional force systems acting on nondeformable engineering structures and machines; friction, virtual work, and fluid statics. Problem-solving mechanics include geometry (graphical and analytical) and algebra (scalar and vector). Prerequisite: PHY 141. F Su

ENS 202 Engineering Mechanics of Solids 2-2-3
(IAI EGR 945) Analysis of two- and three-dimensional force systems. External and internal forces, stresses, deformations, primarily within the elastic property range of materials. Tension and compression, torsion and bending, buckling, combined stresses, repeated loads, and impact. Prerequisite: ENS 201. S

ENS 203 Engineering Mechanics II (Dynamics) 2-2-3
(IAI EGR 943) Analysis of unbalanced force systems acting on kinetics and kinematics. Problem formulation, problem-solving mechanics including geometry, algebra, and calculus. Prerequisites: ENS 201 and credit or concurrent enrollment in MAT 229. S

Engineering Science and Technologies

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

EST 110 Engineering Science and Technologies—CAD Work Experience 0-5-1 or 0-10-2
On an independent study basis, students complete an advanced CAD project in an area in which they seek experience and employment. Prerequisites: credit or concurrent enrollment in CAD 116, CAD 118, and CIT 112, and approval of program director or department chair. Repeatable 3 times. F S

EST 113 Work Experience and Ethics .5-4-1
Prepare resume and cover letter. Detailed journal documenting internship. Introduction to work ethics and traits that employers look for in current and prospective employees.

EST 114 Career and Technical Ethics 1-0-1 or 2-0-2
Introduction to the importance of work ethics and the top 10 work ethic traits that employers look for in current and prospective employees. Emphasis on how strong work ethics help employees succeed in the workplace. F S Su

English

Humanities
217/351-2217 • www.parkland.edu/hum

Assessment
Students enrolling in an English composition course for the first time at Parkland must be placed at the appropriate level on the basis of (1) their ACT or SAT scores, (2) their performance on Parkland's English assessment test, or (3) college-level composition credit transferred from another school.

Students placed in a preparatory English composition class (ENG 098 or 099) can satisfy the requirements for admission to college-level English composition by (1) passing ENG 099 with an A or B grade or (2) writing a college-entry-level essay at the completion of ENG 098 or 099.

Learning Communities are Pell-eligible, full-time programs in which students begin to satisfy General Education Core Curriculum requirements needed for an associate's degree while developing the writing skills taught in ENG 098 and ENG 099.

ENG 098 Writing Skills Review I 3-0-3
Extensive writing practice with emphasis on paragraph organization and development leading to multiple-paragraph essays and engagement with outside ideas and texts. Systematic review of grammar, mechanics, and sentence structure. Based on end-of-course assessment, students may proceed to ENG 099 or ENG 101. Concurrent enrollment in CCS 098 or CCS 099 may be required. Prerequisite: placement. F S Su

ENG 099 Writing Skills Review II 3-0-3
Extensive writing practice with emphasis on organizing and developing essays and engagement with outside ideas and texts. Systematic review of grammar, sentence structure, and paragraph organization and development. Students may proceed to ENG 101 by earning a grade of A or B in ENG 099 or writing a successful end-of-course essay. Concurrent enrollment in CCS 098 or CCS 099 may be required. Prerequisite: ENG 098 with a grade of C or higher or placement. F S Su

ENG 101 Composition I 3-0-3
(IAI C1 900) Essay writing with emphasis on writing process, purpose and audience awareness, critical analysis, focus, organization, development, clarity, coherence, and engagement with outside texts. Credit is allowed for only one of the following: ENG 101-102 or ENG 106. Credit is not given for both ENG 101 and ESL 101. A grade of C or higher is required in ENG 101 to fulfill IAI General Education Core Curriculum requirements for transfer programs. Prerequisite: ENG 099 with a grade of B or higher, end-of-course assessment in ENG 098 or ENG 099, or placement. F S Su

ENG 102 Composition II 3-0-3
(IAI C1 901R) Research-paper writing emphasizing adoption, narrowing, and logical support of a thesis in awareness of a readers needs; developing effective research techniques; and accurately documenting sources in a conventional format. Credit is allowed for only one of the following: ENG 101- 102 or ENG 106. Credit is not given for both ENG102 and ESL 102. A grade of C or higher is required in ENG 102 to fulfill IAI General Education Core Curriculum requirements for transfer programs. Prerequisite: ENG 101 or equivalent with a grade of C or higher. F S Su

ENG 106 Accelerated Composition 4-0-4
(IAI C1 901R) An accelerated course in essay and research paper writing emphasizing writing process, purpose and audience, critical analysis, focus, organization, development, clarity, coherence, research techniques, and accurate documentation (see ENG 101 and ENG 102). Fulfills freshman composition requirements in all programs. Credit is allowed for only one of the following: ENG 101-102 or ENG 106. A grade of C or higher is required in ENG 106 to fulfill IAI General Education Core Curriculum requirements for transfer programs. Prerequisite: placement. F S

ENG 115 English Grammar and Punctuation 2-0-2
Grammar and punctuation of standard written English; parts of speech, types of punctuation, and common grammatical errors. F S

ENG 161 Creative Writing I—Fiction 3-0-3
Introductory course for exploring the structure and elements of fiction as well as the writing process. Students will produce fully developed works, with attention to the development of fictional techniques, and learn terminology current in creative writing. Prerequisite: ENG 101 or equivalent with a grade of C or higher or approval of department chair. F

ENG 162 Creative Writing I—Poetry 3-0-3
Introductory course for exploring the structure and elements of poetry as well as the writing process. Students will produce fully developed works, with attention to the development of poetic techniques, and learn terminology current in creative writing. Prerequisite: ENG 101 or equivalent with grade of C or higher or approval of department chair. F

ENG 220 Professional Writing 3-0-3
Principles of professional writing. Includes technical and business writing scenarios and case studies with an emphasis on problem solving; argumentative and process assignments; experiential projects with local or national companies. Prerequisite: ENG 102 or ENG 106 with a grade of C or higher. F S

ENG 224 Advanced Composition—Creative Nonfiction 3-0-3
Intermediate course for exploring the structure and elements of literary nonfiction and the writing process. Students will produce fully-developed works of nonfiction and demonstrate an understanding of the critical terminology of the creative writer. Prerequisite: ENG 102 or ENG 106 with a grade of C or higher. F S

ENG 261 Creative Writing II—Fiction 3-0-3
Continuation of ENG 161. Intermediate course for exploring the structure and elements of fiction and the writing process. Students will produce fully developed works, with attention to the further development of fictional techniques, and learn terminology current in creative writing. Prerequisite: ENG 161 or equivalent or approval of department chair. S

ENG 262 Creative Writing II—Poetry 3-0-3
Continuation of ENG 162. Intermediate course for exploring the structure and elements of poetry and the writing process. Students will produce fully developed works, with attention to the further development of poetic techniques, and learn terminology current in creative writing. Prerequisite: ENG 162 or equivalent or approval of department chair. S

English as a Second Language

Humanities
217/351-2217 • www.parkland.edu/hum

English as a Second Language Program
The ESL program offers a series of 3-credit-hour courses for academic preparation in four skill areas. These courses are available from beginning through advanced levels in grammar/writing and listening/speaking/pronunciation. Students can enroll part-time in one course or full-time. Specialized electives appear as 500-level ESL courses in the class schedule.

ESL 071 Reading / Vocabulary I 2-2-3
Development of high-beginning level academic reading and vocabulary skills for speakers of English as a second language. Repeatable for a maximum of 6 credit hours. Prerequisite: placement by advisor.

ESL 072 Reading / Vocabulary II 2-2-3
Development of intermediate level academic reading and vocabulary skills for speakers of English as a second language. Repeatable for a maximum of 6 credit hours. Prerequisite: placement by advisor.

ESL 073 Reading / Vocabulary III 2-2-3
Development of high-intermediate level academic reading and vocabulary skills for speakers of English as a second language. Repeatable for a maximum of 6 credit hours. Prerequisite: placement by advisor.

ESL 074 Reading / Vocabulary IV 2-2-3
Development of low-advanced level academic reading and vocabulary skills for speakers of English as a second language. Repeatable for a maximum of 6 credit hours. Prerequisite: placement by advisor.

ESL 076 English for Academic Purposes 2-2-3
Development of intermediate-level academic grammar/writing, listening/speaking, and reading/vocabulary skills for students of English as a second language. Prerequisite: placement by advisor.

ESL 080 Diagnostic Testing for ESL Listening/Speaking/Pronunciation 2-2-3
Individual advising leads to placement into a skill level appropriate to the student's oral communication abilities. F S Su

ESL 081 Listening/Speaking/Pronunciation I 2-2-3
Development of beginning listening/speaking/pronunciation skills for students of English as a second language. Prerequisite: placement by advisor.

ESL 082 Listening/Speaking/Pronunciation II 2-2-3
Development of low-intermediate listening/speaking/pronunciation skills for students of English as a second language. Prerequisite: placement by advisor.

ESL 083 Listening/Speaking/Pronunciation III 2-2-3
Development of intermediate listening/speaking/pronunciation skills for students of English as a second language. Introduction to academic listening, note-taking, and small group participation. Prerequisite: placement by advisor.

ESL 084 Listening/Speaking/Pronunciation IV 2-2-3
Development of high-intermediate listening/speaking/pronunciation skills for students of English as a second language. Academic listening, note-taking, and small group participation. Prerequisite: placement by advisor.

ESL 085 Listening/Speaking/Pronunciation V 2-2-3
Development of advanced listening/speaking/pronunciation skills for students of English as a second language. Academic lecture listening, note-taking, small group leadership, and oral presentations. Prerequisite: placement by advisor.

ESL 086 English Language Pronunciation 3-0-3
Integrated skills approach to evaluating and improving oral production skills for non-native speakers of English. F S Su

ESL 087 English Language Conversation Practice 1-0-1
Improve students' conversational fluency in spoken English. F S

ESL 088 Community English 0-4-2
Small group and individual ESL instruction in reading, writing, listening, speaking fluency, and pronunciation. F S

ESL 089 ESL Research and Technology Skills 0-4-2
Research and technology skills for non-native speakers of English. F S

ESL 090 Diagnostic Testing for ESL Grammar/Reading/Writing 3-3-4
Individual advising leads to placement into a skill level appropriate to the student's grammar and writing proficiency. F S Su

ESL 091 Grammar/Writing I 3-3-4
Introduction to basic grammar and structures of writing for students of English as a second language. Prerequisite: placement by advisor.

ESL 092 Grammar/Writing II 3-3-4
Development of low-intermediate grammar and writing skills for students of English as a second language. Prerequisite: placement by advisor.

ESL 093 Grammar/Writing III 3-3-4
Development of intermediate grammar and writing skills for students of English as a second language. Prerequisite: placement by advisor.

ESL 094 Grammar/Writing IV 3-3-4
Development of high-intermediate grammar and writing skills for students of English as a second language. Introduction to essay format and college-level discourse. Prerequisite: placement by advisor.

ESL 095 Grammar/Writing V 3-3-4
Development of advanced grammar and writing skills for students of English as a second language. Preparation for college writing and textbook reading. Prerequisite: placement by advisor.

ESL 097 American Academic Culture for Non-Native Speakers 2-2-3
Introduction to and development of American academic culture for speakers of English as a second language. Preparation for college-level coursework. Repeatable for a maximum of 9 credit hours. Prerequisite: placement by advisor. F S Su

ESL 099 Writing Skills for Non-Native Speakers 4-0-4
Extensive writing practice emphasizing organization and development of essays and paragraphs, and engagement with outside ideas/texts. Systematic review of grammar, syntax, and vocabulary with attention to second-language writing development. Repeatable for a maximum of 16 credit hours. Prerequisite: placement. F S Su

ESL 101 English Composition for Non-Native Speakers I 4-0-4
(IAI C1 900) Essay writing with emphasis on writing process, purpose and audience awareness, critical analysis, focus, organization, development, clarity, coherence, and engagement with outside texts. An alternative to ENG 101 to meet the needs of non-native speakers of English in all programs. Credit is not given for both ENG 101 and ESL 101. A grade of C or higher is required in ESL 101 to fulfill IAI General Education Core Curriculum requirements for transfer programs. Prerequisite: ESL 099 with a grade of C or higher or placement. F S Su

ESL 102 English Composition for Non-Native Speakers II 4-0-4
(IAI C1 901R) Research-paper writing emphasizing adoption, narrowing, and logical support of a thesis in awareness of a reader's needs; developing effective research techniques; and accurately documenting sources in a conventional format. An alternative to ENG 102 to meet the needs of non-native speakers of English in all programs. Credit not given for both ENG 102 and ESL 102. A grade of C or higher is required in ESL 102 to fulfill IAI General Education Core Curriculum requirements for transfer programs. Prerequisite: ESL 101 or ENG 101 with a grade of C or higher. F S Su

ESL 570 TOEFL Preparation 3-0-3
Students will practice English skills and test taking strategies for TOEFL. F S

Fire Service Technology

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

FST 111 Introduction to the Fire Service 3-0-3
Provides an overview to fire service; career opportunities in fire protection and related fields; philosophy and history of the fire service; fire loss analysis; organization and function of public fire protection services; fire departments as part of local government; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. F

FST 112 Command Officer Management I 3-0-3
One of two management courses required for Illinois certification as a Fire Officer I. Presents a basic course to help individuals develop the skills needed to supervise and direct personnel and manage resources at the company level. Prepares student for certification as Fire Officer I. FE

FST 114 Fire Prevention Principles I 3-0-3
Provides basic information about fire prevention activities conducted by the fire department. SO

FST 115 Tactics and Strategy I 3-0-3
Survey of fire suppression companies; basic elements of fireground tactics and organization; manpower, apparatus, equipment, and systems utilization. Emphasis on preplanning fireground organization and decision making for the company officer. SO

FST 117 Pump Operator 3-0-3
Theoretical and practical hydraulics, maintenance procedures, and apparatus testing used by fire departments. Apparatus operators. Qualifies firefighters for OSFM Certification as a Fire Apparatus Engineer. F

FST 118 Fire Service Instructor I 3-0-3
Methods of classroom instruction: lesson plans and human relations in the teaching-learning environment. SO

FST 130 Civilian/Law Enforcement Bypass Course 3-0-3
Required by the Office of the State Fire Marshal for certification of civilians as fire prevention officers and law enforcement officers as fire investigators. Emphasizes baseline fire science knowledge not possessed by civilians. F S Su

FST 210 Hazardous Materials First Responder/Operation 3-0-3
Systems approach to storage, transportation, and handling of hazardous materials, flammable liquids, combustible solids, oxidizing and corrosive materials, and radioactive compounds. Use of reference sources on various hazardous materials. Emphasis on control of hazardous materials incidents. F

FST 212 Command Officer Management II 3-0-3
One of two management courses required for Illinois certification as a Fire Officer I. Provides management principles and techniques used by mid-level managers and chief officers in the fire service and emphasizes principles of time management, decision making, motivation, and delegation. SO

FST 215 Fire Fighting Strategy and Tactics 3-0-3
Strategic concepts in fire fighting, locations of fire fighting resources, tactics emphasizing use of operational plans, and pre fire plans. Establishment of command for operational control and use and control of mutual aid during multiple emergencies or simple catastrophic fires or disasters. SE

FST 218 Fire Service Instructor II 3-0-3
Methods of classroom instruction structured to provide information about writing performance objectives, developing lesson plans, and methods of testing and evaluating students. SE

FST 234 Command Officer Management III 3-0-3
One of two management courses required for Illinois certification as a Fire Officer II. Provides management principles and techniques used by mid-level managers and chief officers in the fire service. Principles of public relations, labor relations, administrative liability, and personnel management emphasized. FO

FST 235 Command Officer Management IV 3-0-3
Prepares the fire officer to develop budgets, evaluate subordinates, maintain records, conduct public relations, and develop fire department rules and Standard Operating Procedures. SE

FST 250 Fire and Emergency Management Computer Systems 2-2-3
Fire and Emergency Services information management systems, system analysis techniques, data processing concepts, terminology, equipment, and applications. Hands-on experience with microcomputers including software packages for data analysis and emergency management applications. Prerequisite: MAT 086, MAT 098, or assessment. F S Su

FST 251 Fire Inspector I 3-0-3
Course required for Fire Inspector I state certification. Authority of fire prevention responsibilities including inspection procedures; plans review; fire hazard recognition; installed systems familiarization; building construction, occupancy classification; site access and means of egress considerations; and emergency planning. FE

FST 253 Public Fire and Life Safety Educator 3-0-3
Provides the Public Fire / Life Safety Educator I component required for certification as Fire Prevention Officer I by Office of State Fire Marshal. Also provides Public Information Officer and Juvenile Fire-Setter Intervention Specialist I certification.

First Year Experience

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

FYE 101 Strategies for College Success 1-0-1; 2-0-2; 3-0-3
Designed to help students succeed in college and beyond. Includes self-assessment, goal-setting, educational and career planning, time management, interpersonal communication, and personal development. F S Su

Floor Coverer

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

FLR 113 Carpet Basics 2-0-2
History of carpet industry, installation tools and equipment, carpet construction, installer professionalism, and residential vs. commercial carpet markets. Prerequisites: CCA 111 and CCA 112.

FLR 114 Floor Preparation 3-6-5
Tools and equipment, floor construction and styles, preparation of concrete and wooden floors before carpet installation. Safety involving asbestos in adhesives and existing flooring. Prerequisites: CCA 111 and CCA 112.

FLR 115 Carpet Layout and Installation 3-6-5
Planning, measuring, and estimation. Installation of carpets on stairs. Prerequisites: FLR 113 and FLR 114.

FLR 116 Supplemental Skills for Carpet Installation 1-3-2
Carpet removal, carpet modular installation, spray adhesives, installation of woven and pattern carpets. Prerequisite: FLR 115.

FLR 117 Resilient Basic Knowledge .5-1.5-1
Introduction to systems and methods used with tile and linoleum floors including emphasis on safety with tools and materials. Prerequisites: FLR 115 and FLR 116.

FLR 211 Resilient Floor Preparation 1-3-2
Removal of existing flooring, subfloors, adhesives, and estimating. Prerequisites: FLR 115 and FLR 116.

FLR 212 Resilient Installation I 1-6-3
Installation techniques for residential and commercial vinyl floors, including tools, methods, and safety. Prerequisite: FLR 117.

FLR 213 Resilient Installation II 1-6-3
Installation techniques for reverse resilient products, including tool usage and adhesives. Prerequisite: FLR 212.

FLR 214 Resilient Supplemental Skills 1-3-2
Repairing resilient flooring, treads and risers, coving, tiling a circular room. Prerequisite: FLR 212.

FLR 215 Hardwood Floors 2-9-5
Tools, equipment, and procedures used to install hardwood floors. Prerequisite: FLR 214.

FLR 216 Hardwood Floors Supplemental Skills 1-6-3
Types of hardwood flooring, vapor retards, borders, parquet floors, repairs to hardwood floors. Prerequisite: FLR 214.

French

Humanities
217/351-2217 • www.parkland.edu/hum

FRE 100 Introduction to Basic French I 2-0-2
Intended for students with no previous instruction in French. Basic French with attention to oral communication, culture, and language needs of student, traveler, and worker. F S Su

FRE 101 Beginning French I 4-0-4
For students with no previous and/or little instruction in French. Development of basic communicative skills. Emphasis on speaking, listening, reading, writing, and on Francophone culture. Prerequisite: ENG 101 placement. (Also in Dijon Program) F S

FRE 102 Beginning French II 4-0-4
Continued development of communicative skills. Emphasis on speaking, listening, reading, writing, and on Francophone culture. Prerequisite: FRE 101 or equivalent. (Also in Dijon Program) F S Su

FRE 103 Intermediate French I 4-0-4
Development of intermediate-level communicative competence. Emphasis on speaking, listening, reading, writing, and on Francophone culture. Prerequisite: FRE 102 or equivalent. (Also in Dijon Program) F

FRE 104 Intermediate French II 4-0-4
(IAI H1 900) Continued development and refinement of intermediate-level communicative competence. Emphasis on speaking, listening, reading, writing, and on Francophone culture. Prerequisite: FRE 103 or equivalent. (Also in Dijon Program) S

FRE 120 Introduction to Basic French II 2-0-2
Continuing basic French with attention to oral communication, culture, and language needs of student, traveler, and worker. Prerequisite: FRE 100 or equivalent. S

Geographic Information Systems

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

GIS 110 Principles of Geographic Information Systems 3-0-3
Components of basic GIS and how they are assembled: requisition of data, maps, and other information used to build a database; basic pilot projects demonstrated step-by-step through various applications in GIS.

GIS 111 Applied Geographic Information Systems 3-0-3
GIS application areas, both present and future; toxic materials, traffic flow, mining, forestry, agriculture, natural resources, energy, and communication; semester-long application project of student's choice developed on computer. Prerequisite: GIS 110. S

GIS 112 Global Positioning Systems 1-0-1
Basic principles necessary to set up, operate, and run a Global Positioning System (GPS) receiving station, and collect information with a receiver. Data collection incorporated into computer database program. Information link with Geographic Information Systems (GIS) and use of GPS in GIS demonstrated.

GIS 115 Advanced Geographic Information Systems 2-2-3
Technical aspects of GIS: remotely sensed data and image interpretation, spatial data creation, tool customization, geoprocess automation, and web mapping. Prerequisite: GIS 110 or approval of department chair.

GIS 116 GIS Seminar 1-0-1
A group project through which students demonstrate their knowledge and skills developed while completing the required GIS courses. The students will present the collaborative project to a group of GIS practitioners. Prerequisite: GIS 110, GIS 111, GIS 112, and GIS 115.

GIS 119 Introduction to Geographic Information Systems 1-0-1
Introduction to basic principles of geographic information systems (GIS). An overview of GIS capabilities, step-by-step procedures, applications, and analysis as they apply to business, natural resource management, governmental planning, and other related fields. S

Geography

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

GEO 140 World Geography 3-0-3
(IAI S4 901) World places and peoples: world regions examined for their cultural response to the physical environment. Emphasis on technologically developed regions. (Also in Canterbury Program.) F S Su

GEO 143 Geography of Underdeveloped Areas 3-0-3
(IAI S4 902N) Survey of technologically underdeveloped regions of the world: spatial arrangements of population, human institutions, economic activities, and cultural landscapes. F S Su

GEO 144 Geography of the United States 3-0-3
Introduction to regional and social diversity of the United States. Physical, historical, and economic bases of regional divisions: south (old and new), northeast (rural and urban), interior (midwest and great plains), and west (mountain and desert). (Canterbury Program only.)

GEO 200 Introduction to Economic Geography 3-0-3
(IAI S4 903N) Introduction to the study of reasons for uneven distribution of activities relating to production, exchange, and consumption of goods and services and geographic patterns created by these activities. S

German

Humanities
217/351-2217 • www.parkland.edu/hum

GER 101 Beginning German I 4-0-4
For students with no previous and/or little instruction in German. Development of basic communicative skills. Emphasis on speaking, listening, reading, writing, and on Germanic culture. Prerequisite: ENG 101 placement. (Also in Salzburg Austria program) F S

GER 102 Beginning German II 4-0-4
Continued development of communicative skills. Emphasis on speaking, listening, reading, writing, and on Germanic culture. Prerequisite: GER 101 or equivalent. (Also in Salzburg program) S Su

GER 103 Intermediate German I 4-0-4
Development of intermediate-level communicative competence. Emphasis on speaking, listening, reading, writing, and on Germanic culture. Prerequisite: GER 102 or equivalent. (Also in Salzburg program) F

GER 104 Intermediate German II 4-0-4
(IAI H1 900) Continued development and refinement of intermediate-level communicative competence. Emphasis on speaking, listening, reading, writing, and on Germanic culture. Prerequisite: GER 103 or equivalent. (Also in Salzburg program) S

Glazier

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

GLZ 111 Glaziers Apprentice I 3-2-4
Fundamentals of glazier trade to supplement on-the-job training for first-year apprentices. Prerequisite: acceptance into glaziers apprenticeship program. F S

GLZ 112 Glaziers Apprentice II 3-2-4
Fundamentals of glazier trade to supplement on-the-job training for first-year apprentices. Prerequisite: GLZ 111. F S

GLZ 113 Glaziers Apprentice III 3-2-4
Different types of glass and uses for experienced apprentice. Prerequisite: GLZ 112. F S

GLZ 211 Glaziers Apprentice IV 3-2-4
Procedures used in glazier trade for experienced glazier apprentice: sealants, locks and bolts, setting blocks, spacers, and entrance work. Prerequisite: GLZ 113. F S

GLZ 212 Glaziers Apprentice V 3-2-4
Advanced procedures used in glazier trade including mathematics, structural glazing, and ribbon window systems. Curtainwall construction foreman training, and communication skills. Prerequisite: GLZ 211. F S

GLZ 213 Glaziers Apprentice VI 3-2-4
Advanced applications and concepts of the glazier trade to supplement the Glazier Apprentice Program. Prerequisite: GLZ 212. F S

Graphic Design

Fine and Applied Arts
217/351-2392 • www.parkland.edu/faa

GDS 102 Graphic Design History 3-0-3
Surveys the field of graphic design from its origins to contemporary practice. Develops visual vocabulary, provides insight into the continuity of design thinking, and provides cultural and historical context for design practice. F S

GDS 108 Design Media and Principles 2-2-3
Introduction to composition and visual literacy for digital media artists and designers. Surveys a broad range of digital tools including the Adobe Creative Suite. Prerequisite: proficiency with personal computers and Internet browsing. F S Su

GDS 110 Typography I 2-2-3
Introduction to creative typography for visual communication. Create typographic compositions using Adobe Creative Suite for print and web. Emphasis on terminology, typographic traditions, and type aesthetics. Prerequisite: proficiency with personal computers and Internet browsing. F S

GDS 120 Graphic Design I 1-5-3
Introduction to the creative process and image making with a focus on composition. Solve real world visual communication problems in a hands-on studio environment using Adobe Creative Suite (Illustrator, Photoshop, InDesign). Prerequisite: GDS 108 or ART 121, ART 122 or approval of program director or department chair. F S

GDS 122 Graphic Design II 2-2-3
Introduction to systems of visual organization in graphic design with a focus on conceptual development and print production. Develop dynamic portfolio samples using Adobe Creative Suite. Prerequisite: GDS 120. F

GDS 172 Typography II 2-2-3
Compose professional-level type for print using Adobe InDesign. Emphasis on publication design, grid systems, legibility, readability, typographic hierarchy, style sheets and pre-press issues. Prerequisite: GDS 110. S

GDS 220 Graphic Design for the Web 1-5-3
A visual approach to web design with an emphasis on creative concepts and applied design principles. Design dynamic web experiences using Photoshop and Dreamweaver. Prerequisites: CIS 152, GDS 120, or approval of program director or department chair. F

GDS 222 Graphic Design III 2-2-3
Gain experience in visual problem solving through advanced design projects. Communicate creative concepts through effective use of type and images. Develop presentations skills and become power users of Adobe Creative Suite. Prerequisite: GDS 122. S

GDS 230 Motion Design 2-2-3
Create advanced motion graphics for digital video, broadcast, and the web. Develop client-driven portfolio samples with emphasis on concepts and interactivity. Communicate advertising, promotion, and editorial concepts with AfterEffects and other digital tools. Prerequisites: CIS 152, GDS 108, GDS 120, and GDS 220, or approval of program director or department chair. S

GDS 271 Interactive Design I 2-2-3
Design user experiences for digital media with an emphasis on creative problem solving. Create interactive web sites and apps that use current technology to meet real-world marketing communication objectives. Prerequisites: GDS 108, GDS 120, and CIS 152, or approval of program director or department chair. F

GDS 272 Interactive Design II 2-2-3
Advanced creative problem-solving and conceptual digital media projects with a focus on meeting real-world marketing communication objectives. Create dynamic user experiences in interactive web sites and apps with an emphasis on building a portfolio of high-quality samples. Prerequisite: credit or concurrent enrollment in GDS 271. F

GDS 273 Illustration I 2-2-3
Gain experience in visual communication by creating original illustration for editorial, advertising, and instructional publications. Advanced uses of Illustrator and Photoshop. Prerequisites: GDS 108 or ART 121, ART 122, and GDS 120. F

GDS 274 Illustration II 2-2-3
Advanced creative problem-solving and conceptual thinking projects focusing on creating original images for editorial and advertising. Emphasis on building a consistent body of work with a distinctive individual style. Fine tune skills in Illustrator and Photoshop. Prerequisite: credit or concurrent enrollment in GDS 273. F

GDS 293 Portfolio Seminar 2-2-3
Under the direction of the instructor, students fine-tune and edit their portfolios, design a self-promotion campaign, build a self-promotion web site, and develop their personal résumés. Includes seminars with industry professionals. Prerequisite: GDS 220, sophomore standing in Graphic Design, 3.0 program GPA, or approval of instructor or department chair. S

Health Careers

Health Professions
217/351-2224 • www.parkland.edu/hp

HCS 112 Orientation to Health Careers 2-0-2
Duties and educational requirements of health care providers. Basic body systems. Develop and practice skills required in all health occupation. Equivalent to Health Occupations at high school level. Prerequisites: CCS 099, MAT 070 or MAT 080 placement, and ENG 101 placement. F

HCS 116 Point of Care Testing 1-0-1
Fundamentals of basic laboratory testing at point-of-care setting: necessity, training, competency, instrument or test selection, advantages and disadvantages, and compliance. Prerequisite: credit or concurrent enrollment in HCS 135 or approval of program director. F S F S

HCS 117 Team Building 1-0-1
Introduces common activities of health care teams, accountability, managing stress and change, conflict resolution, organizational and problem-solving skills, interpersonal communication skills, group dynamics, cultural diversity, and responsibilities of team leaders. Prerequisites: CCS 099 placement and ENG 101 placement. S

HCS 119 Job Shadowing 0-1-.5; 0-2-1; 0-3-1.5; 0-4-2; 0-5-2.5; 0-6-3
Shadowing experience in a variety of health care settings. Prerequisites: CCS 099 placement and ENG 101 placement, or approval of instructor or department chair. F S Su

HCS 136 Basic Topics in Healthcare 1-0-1; 2-0-2; 3-0-3; 4-0-4
Study of new and cutting-edge topics of interest to the student new to healthcare. Repeatable for a maximum of 16 credit hours. F S Su

HCS 150 Complementary Alternative Therapies in Health Care I 3-0-3
Guided learning experience to investigate various healthcare practices such as traditional Chinese medicine, botanicals, manual techniques, mind-body techniques, and other therapies. Prerequisites: CCS 099 placement and ENG 101 placement. F S

HCS 151 Health Care Records Management 2-0-2
Application of health care records management terms and skills: records ownership, types, rules for filing and systems, common documents, correspondence, and computer application (EMR). Prerequisites: CCS 099 placement and ENG 101 placement, or approval of program director or department chair. F S Su

HCS 153 Phlebotomy Skills .5-1.5-1
Routine phlebotomy procedures, venipuncture techniques, phlebotomy equipment, micropuncture techniques, safe practices, and medicolegal aspects. Clinical laboratory experience in phlebotomy. Credit not given for both HCS 153 and HCS 602. F S Su

HCS 154 Medical Terminology 3-0-3
Building medical vocabulary, including learning to pronounce, spell, define, and analyze medical terms. Prerequisites: CCS 099 placement and ENG 101 placement. F S Su

HCS 155 Pharmacology for Allied Health 1-1-1
Chemical, generic, and trade names; drug references; pharmacological principles; routes of administration; Federal and Illinois regulations; classifications; abbreviations and symbols for drug measurement, administration, and prescription. Prerequisites: CCS 099 placement and ENG 101 placement, or approval of program director or department chair. F S Su

HCS 173 Applied Electrocardiography 1-1-1
Entry level training to perform, process, and explain the electrocardiogram; overview of cardiac anatomy, physiology, and conduction systems; commonly encountered drugs in cardiac medicine; data procurement, selection, processing, overview of diagnostic tests and presentation for physician's interpretation; professional conduct. F S Su

HCS 174 Legal Issues in Health Care 1-0-1
Law as it pertains to health professionals; consent for medical services, invasion of privacy, malpractice, governmental regulations, actions for collecting patient bills, bioethical, and end of life issues. Prerequisites: CCS 099 placement and ENG 101 placement, or approval of program director or department chair. F S Su

HEARING INSTRUMENT DISPENSER
Students who are interested in applying for an Illinois license as a hearing instrument dispenser must complete a 30-unit distance learning package developed by the International Hearing Society at www.ihsinfo.org. Contact Mike Lane at mike@P-A-M-S.com for more information. Students may also take courses at other colleges/universities to meet the Illinois Department of Public Health requirement. Information on Parkland's program is at www.parkland.edu/academics/departments/health/hearing.aspx or contact the Health Professions Department at 217/351-2224.

HCS 190 Anatomy and Physiology of the Speech and Hearing Mechanism 3-0-3
Outer ear, disorders of outer ear, middle ear, tympanometry, disorders of middle ear, inner ear, and auditory pathways, cochlear and retrocochlear disorders. One of four courses required for persons applying for license as a hearing instrument dispenser. Prerequisite: approval of department chair or program director. F S Su

HCS 191 Hearing Science 3-0-3
Physiological acoustics, psychological acoustics, hearing instrument candidacy, history, electronics, components and characteristics, digital technology. One of four courses required for persons applying for license as a hearing instrument dispenser. Prerequisite: approval of department chair or program director. F S Su

HCS 192 Introduction to Audiology 3-0-3
Introduction to audiometry, pure tone audiometry, pure tone bone conduction tests, masking, hearing analysis (audiograms), speech testing, and speech discrimination tests. One of four courses required for persons applying for license as hearing instrument dispenser. Prerequisite: approval of department chair or program director. F S Su

HCS 193 Aural Rehabilitation 3-0-3
ANSI standards, ear molds, fitting of hearing instruments, fitting verification, real ear measurement, post-fitting care, follow-up and rehabilitation, maintenance, modification, and repair. One of four courses required for persons applying for license as hearing instrument practitioner. Prerequisite: approval of department chair or program director. F S Su

HCS 216 Career Program Medical Terminology 1-0-1
Medical vocabulary incorporating verbal usage, spelling, defining, and analysis of medical terms and abbreviations. Not a major overview of anatomy and physiology of the body systems. Prerequisite: ENG 101 placement. F S Su

HCS 236 Advanced Topics in Healthcare 1-0-1; 2-0-2; 3-0-3; 4-0-4
The study of new and emerging healthcare topics requiring some healthcare background and preparation. Prerequisites to be determined by the faculty. Repeatable for a maximum of 12 credit hours. Prerequisites: CCS 099 placement and ENG 101 placement. F S Su

HCS 238 Work Experience in Health Care 0-20-5
Simulates the transition from school to work. Students are assigned full-shift experiences and are prepared for certification exams. Prerequisites: permission of instructor and enrollment in a health career program. Prerequisites: CCS 099 placement and ENG 101 placement. F S Su

Heating, Ventilation, and Air Conditioning

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

HVC 111 Basic Air Conditioning 2-2-3
Fundamentals of operation for residential and light commercial air conditioning systems. Proper handling of refrigerants. Prerequisite: credit or concurrent enrollment in ELT 150. F S

HVC 112 Basic Heating 2-2-3
Fundamentals of operation for residential and light commercial heating systems. Prerequisite: credit or concurrent enrollment in ELT 150. F S

HVC 113 Residential HVAC Installation 2-2-3
Basic HVAC system components and operation concepts, component installation, gas piping, low voltage wiring, basic tool skills, job safety. F

HVC 114 Ductwork Fabrication 1-2-2
Basic tool skills, job safety, and fabrication techniques for HVAC ductwork components and systems. Prerequisite: MAT 060 or 094.

HVC 132 HVAC Pneumatic Control Systems 2-2-3
Fundamentals of installation, operation, and maintenance of pneumatic control systems for commercial HVAC systems. Prerequisite: HVC 111 or HVC 112. S

HVC 134 Commercial HVAC and Service 2-2-3
Installation, operation, maintenance, and service of commercial HVAC equipment. Prerequisites: HVC 151 and HVC 152. S

HVC 151 Basic Air Conditioning Service 3-2-4
Diagnostic techniques for residential and light commercial air conditioning and heat pump systems. Common maintenance and repair methods. Prerequisite: HVC 111.

HVC 152 Basic Heating Service 2-2-3
Diagnostic techniques for residential and light commercial heating systems. Common maintenance and repair methods. Prerequisite: HVC 112.

History

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

HIS 101 History of Western Civilization I 4-0-4
(IAI S2 902) Examination of the origins and development of major social, political, economic, and intellectual institutions of European civilization from the ancient cultures of Mediterranean world through 1715. Prerequisite: ENG 099 placement. F S

HIS 102 History of Western Civilization II 4-0-4
(IAI S2 903) Examination of the origins and development of major social, political, economic, and intellectual institutions of European civilization from 1715 through the present. Prerequisite: ENG 099 placement. (3 credit hours in Salzburg program) S

HIS 104 History of the U.S. to 1877 4-0-4
(IAI S2 900) Survey of American history from its European and Native American origins through Reconstruction. Emphasis on the economic, political, cultural, and social forces that have shaped the American past. Prerequisite: ENG 099 placement. F S

HIS 105 History of the U.S., 1877 to Present 4-0-4
(IAI S2 901) Survey of American history from Reconstruction to the present. Emphasis on the economic, political, cultural, and social forces that have shaped the American past. Prerequisite: ENG 099 placement. F S Su

HIS 107 The History of Illinois 4-0-4
Illinois history from the earliest times to the present. Includes political, economic, social, cultural, educational, and constitutional developments. Prerequisite: ENG 099 placement. S Su

HIS 120 African American History to 1865 3-0-3
History of African American people in the United States from the African past to 1865. Emphasis on the changing economic, political, social, and cultural conditions of African Americans and on their contributions to American society. Prerequisite: ENG 099 placement. F

HIS 121 African American History from 1865 to Present 3-0-3
History of African American people in the United States from 1865 to the present. Emphasis on the changing economic, political, social, and cultural conditions of African Americans and on their contributions to American society. Prerequisite: ENG 099 placement. S

HIS 123 History of the Middle East 4-0-4
(IAI S2 918N) Examination of origins and development of geographic, social, political, economic, and religious forces which have contributed to the formation of major institutions in the Middle East from the appearance of cultural complexity to modern times. Prerequisite: ENG 099 placement. S

HIS 128 History of Asia and Pacific Region 4-0-4
(IAI S2 908N) Political, social, economic, and cultural history of Asia and the Pacific Region from ancient times to the present; responses and adaptations to Western influence, modernizations, and transformations to the present. Prerequisite: ENG 099 placement. F

HIS 129 History of Africa 4-0-4
(IAI S2 906N) Origins and development of major geographical, social, political, economic, and religious forces which have contributed to the formation of major institutions in Africa from the appearance of humankind to modern times. Prerequisite: ENG 099 placement. S

HIS 140 History of Latin America 4-0-4
(IAI S2 910N) Origins and development of major geographic, social, political, and religious forces which have contributed to the formation of major institutions in Latin America from the era of Teotihuacan and the Olmec, Maya, Inca, and Aztec to the development of contemporary Latin American nations. Prerequisite: ENG 099 placement. F

HIS 145 History of the Labor Movement 3-0-3
Effects of labor on economic, political, and social systems of the United States.

HIS 165 Austrian Civilization 3-0-3
Introduction to Austrian history and culture from seventeenth century to present. Prerequisite: ENG 099 placement. (Salzburg Program only.)

HIS 166 British History I 3-0-3
Survey of British history to 1714: Roman and Anglo-Saxon invasions, Norman Conquest, Chaucer's England, and British-American relations. Prerequisite: ENG 099 placement. (Also in Canterbury Program) F

HIS 167 British History II 3-0-3
Survey of British history from 1714, including growth of the British Empire, the Irish question, the American Revolution, Victorian Britain, and contemporary Britain. Prerequisite: ENG 099 placement. (Also in Canterbury Program) S

HIS 168 Modern Europe in Transition 3-0-3
Examination of the continuities and discontinuities of European affairs since modern revolutions that set the stage for today's political discourse. Prerequisite: ENG 099 placement. (Salzburg Program only)

HIS 169 England in the Middle Ages 3-0-3
Study of medieval history focusing on events surrounding Norman Conquest of England in 1066. Prerequisite: ENG 099 placement. (Canterbury Program only)

HIS 203 The History of Women in America 3-0-3
A multicultural survey of the roles, experiences, and problems of American women from the colonial period to the present. The images and ideals of womanhood, nineteenth-century feminism, the Victorian woman and female sexuality, women at work, women at war, suffrage movement, and the new feminism. Prerequisite: ENG 099 placement. F S

HIS 289 Topics in History 3-0-3
Study of selected topics in history. Topics vary according to section and semester and are listed in the class schedule. Students may also request topics. A total of 6 credit hours may be taken in topics courses numbered 289, but HIS 289 is not repeatable for credit. Prerequisite: ENG 101 placement and 3 credit hours in the discipline.

Horticulture / Landscape

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

HRT 114 Introduction to Turfgrass Management 2-2-3
Introduction to turf and turfgrass management; germinating and developing turf grasses; techniques necessary for maintenance of healthy turf. Emphasis on proper cultural practices in the industry. F S

HRT 116 Introduction to Landscape Design 3-0-3
Methods and techniques of drafting and preparing basic landscape designs for residential and commercial settings; theory and practical experience in large- and small-scale design projects; overview of business aspects. F S

HRT 118 Horticulture Equipment Operation 2-2-3
Introduction to basic operation and maintenance of horticulture-related equipment; safe operation of equipment and use of safety materials. F

HRT 119 Landscape Construction and Maintenance 3-0-3
Construction methods for residential and commercial landscapes; techniques and uses of materials related to construction of various landscape features; use of construction materials and maintenance; reading and interpreting landscape plans and drainage techniques. S

HRT 130 Floral Design I 2-2-3
Introduces the art of floral design based on design elements and principles. Techniques and mechanics of constructing centerpieces, corsages, boutonnieres, and theme designs are practiced in hands-on labs. Flower identification and care and handling are covered.

HRT 211 Pest Management and Pruning Principles 2-2-3
Identification, control, and management of insects, weeds and diseases of landscape plant material. Including the pest, its life cycle, hosts, symptoms, diagnosis and controls. Basic tree and shrub pruning for plant maintenance. Prerequisite: credit or concurrent enrollment in AGB 104. S

HRT 214 Advanced Turfgrass Management 2-2-3
Advanced management of turf and turfgrass with emphasis on stress physiology for both residential and athletic applications. Topics include pesticide and nutrient fate, irrigation, and techniques for preventing and repairing wear and tear. Prerequisites: HRT 114 and AGB 104. S

HRT 230 Floral Design II 2-2-3
Expands on concepts and skills learned in Floral Design I; How to take orders, conduct consultations, and order flowers wholesale. Designs focus on weddings and funerals and are practiced in hands-on labs. Prerequisite: HRT 130.

HRT 253 Herbaceous Plants 3-0-3
Identification, selection, use, and maintenance of herbaceous (perennial, biennial, and annual) plants in the landscape. Techniques in propagation, growth, and maintenance of herbaceous plants with emphasis on control of pests (weeds, insects, and disease). Prerequisite: AGB 104 or approval of department chair. S

HRT 254 Woody Ornamentals 3-0-3
Identification of deciduous trees, shrubs, and evergreens used primarily in landscaping. Techniques in propagation, growth, and maintenance of trees and shrubs with emphasis on transplanting, pruning, and control of pests. Prerequisite: AGB 104 or approval of instructor or department chair. Su

HRT 255 Landscape Graphic Design 3-0-3
Advanced landscape graphic design techniques; freehand sketching, preparing quick designs, perspective sketching, color drawing, and computer design. Review design processes, principles, and design techniques and apply them to commercial and residential situations. Prerequisite: HRT 116 or approval of department chair. S

HRT 256 Landscape Planting Design 3-0-3
Fundamentals of planting composition with emphasis on aesthetics, ecology, and utilitarian aspects. Incorporating plants as design elements to modify the landscape for various activities and different site situations. Prerequisites: credit or concurrent enrollment in HRT 116, HRT 253, HRT 254, and HRT 255.

HRT 257 Horticultural Business Management 3-0-3
Provides current and future managers of landscaping businesses the opportunity to understand latest methods of combining resources to operate successful businesses. Emphasis on crew/team management and financial issues, including pricing materials, project bidding, and estimating. Prerequisite: AGB 135. S

HRT 270 Greenhouse Crop Production 2-2-3
Production of various crops in the greenhouse environment, including flowers, herbs, and garden plants. Topics include propagation, cultural practices, and scheduling crop growth for target market periods. Hands-on experience in the greenhouse plus field trips. Prerequisite: credit or concurrent enrollment in AGB 104.

Hospitality Industry

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

HPI 110 Foodservice Sanitation Certification 1-0-1
Foodservice sanitation as it applies to every phase of foodservice operations. Emphasizes cleanliness and protection of the health of the public served as well as of the organization's staff. Includes certification exam. F S Su

HPI 111 Introduction to the Hospitality Industry 3-0-3
Overview of the hospitality industry focusing on the food service and lodging industries history and organization of hospitality industry with emphasis on career opportunities and management. Basic operational structures of restaurants, institutions, hotels, clubs, and resorts. F S

HPI 112 Food Standards and Production I 3-4-5
Expands on skills and knowledge to develop a strong foundation within culinary arts management. This course examines food handling techniques, preparation, and production. Includes kitchen laboratory experiences in meat, poultry, seafood, vegetables, soups and salads. Prerequisites: HPI 110 and HPI 116 or approval of program director. S

HPI 113 Food Service Systems 3-0-3
Management of food service systems in quick service, casual, fine dining, banquet, off-premise, and institutional service segments; various service procedures, staff organization, labor considerations, and management approaches. S

HPI 114 Human Resource Management and Supervision 3-0-3
Management methods use to lead and supervise staff. Skills and techniques used to form an effective staff for the hospitality environment. Self management, staff selection, orientation, training, motivating, evaluating and retention. Study of leadership characteristics. S

HPI 115 Menu Management and Design 2-2-3
The menu's role in controlling and directing a foodservice operation. Practical experience determining portion cost, product yields, selling price. Computer use to perform cost analysis of recipes, analysis of sale mix influence on profitability, and design of menus. F

HPI 116 Kitchen Basics 1-3-2
Survey of professional culinary standards and production methods. Lab experience with knife skills, mise en place and cooking methods. Proper use and maintenance of common commercial equipment. Foundational knowledge of classical cuisine preparation. Prerequisite: HPI 110 or approval of instructor or department chair. F

HPI 117 Hospitality Managerial Accounting 3-0-3
Hospitality management's use of the balance sheet, income statement and statement of cash flow to analyze operational performance. Use of financial ratios to make business decisions. Topics include depreciation, ROI and ROA. Interpretation of markets forces on the unit operation. F

HPI 132 Resort and Event Operations 3-0-3
Examination of the resort segment of the lodging industry; tourism's relationship with types of resorts; quality service within the context of the hospitality industry. Event management and planning as a sub-function of resort operations. Su

HPI 139 Food Standards and Production II 2-4-4
Practical laboratory experiences with desserts, pastries and other bakery products, salads and dressings and will include group planning, production, presentation, and serving of complete guest meals. Prerequisites: HPI 110, HPI 116, or approval of program director or department chair. F

HPI 211 Food and Beverage Cost Management Systems 4-0-4
Examination of methods to measure and control operational costs. Use of Excel as a primary tool to collect and analyze data gathered from operational activities. Focus on controlling product costs, labor costs and controllable expenses. F

HPI 214 Hospitality Industry Seminar 2-0-2
Investigate and report on industry topics and trends. Prepare written evaluations of selected topics ranging from management and leadership to hospitality and culinary trends. Conduct Internet research to form personal opinions and support conclusions. Prerequisite: concurrent enrollment in HPI 215. S Su

HPI 215 Hospitality Industry Work Experience 0-20-4
Students perform 300 hours of work experience in approved hospitality facility related to their area of specialization. Prerequisites: HPI 111, completion of 15 semester credit hours in program area, and concurrent enrollment in HPI 214. S Su

HPI 216 Bar and Beverage Operations 3-0-3
Responsible management of beverage operations at a profit. Examination of planning, equipping, and staffing of beverage operations. Review of purchasing procedures, inventory control, pricing and marketing of all categories of alcohol beverages. Includes mixology training. S

HPI 230 Facilities Management/ Building Operations Management 3-0-3
Facility management methods necessary to meet visitor and guest expectations of quality. Technical knowledge of the hotel/motel housekeeping department and building/facilities maintenance department. Supervision and training required to build a professional facilities team. S

HPI 231 Front Office Operations 3-0-3
Reservations, registration, rooming, guest relations, accounting, and night audit; guest complaints and security; staffing; and emphasis on automated systems, including computerized property management system exercise. Prerequisite: credit or concurrent enrollment in HPI 111. F

HPI 233 Hospitality and Travel Marketing 3-0-3
Planning and implementing effective marketing strategies to maximize revenues and guest satisfaction; direct sales, public relations, and advertising. Relationships of carriers, suppliers, and travel intermediaries. Prerequisite: concurrent enrollment in HPI 111. S

HPI 234 Hospitality Industry Law 3-0-3
Legal concepts for the hospitality manager to recognize in a preventative approach to avoid liability. Knowledge of the law improves guest service and awareness to potential hazards. Review of negligence, merchantability, contract, Dram Shop, and employment laws. S

HPI 237 Food Standards and Production III 2-4-4
Advanced methods of food production integrating menu planning, product costing, and culinary methods. Examination of station setup, work flow and equipment layout required for specific menu production. Additional course topics included international cuisine and nutritional considerations. Prerequisites: HPI 112 and HPI 139, or approval of program director or department chair. S

HPI 239 Catering and Food Production 1-4-3
Student management and experience in food production and service dynamics as they plan and operate special event catering and student cafes. Prerequisite: credit or concurrent enrollment in HPI 237, or approval of program director or department chair. S

Humanities

Humanities
217/351-2217 • www.parkland.edu/hum

HUM 101 Cultural Values in the Western World I 4-0-4
(IAI HF 902) Exploration of Western culture as expressed in art, literature, history, philosophy, and music from ancient world to Renaissance. Prerequisite: ENG 101 placement. (Also in Dijon Program) F Su

HUM 102 Cultural Values in the Western World II 4-0-4
(IAI HF 903) Exploration of Western culture as expressed in art, literature, history, philosophy, and music from Renaissance through contemporary period. Prerequisite: ENG 101 placement. (Also in Dijon Program) S

HUM 103 Cultural Values in the Eastern World 3-0-3
(IAI HF 904N) Exploration of East Asian cultures (Chinese, Japanese, Korean) as expressed in art, music, literature, history, and philosophy. Prerequisite: ENG 101 placement. F S Su

HUM 104 Islamic Culture and Civilization 3-0-3
(IAI H2 903N) Exploration of Islamic culture as expressed in art, music, literature, history, society, and philosophy. Prerequisite: ENG 101 placement. F S Su

HUM 105 Cultures and Civilization of Sub-Saharan Africa 3-0-3
(IAI HF 904N) Exploration of cultures in Sub-Saharan Africa as expressed in art, music, literature, history, and philosophy. Prerequisite: ENG 101 placement. F S Su

HUM 106 Latin American Cultures and Civilizations 3-0-3
(IAI H2 903N) Exploration of Latin American cultures, including arts, history, literature, and social institutions. Prerequisite: ENG 101 placement. (Also in Costa Rica Program) F S Su

HUM 107 Introduction to Mexican Culture 3-0-3
(IAI H2 903N) Exploration of Mexican cultural heritage from the pre-Columbian era through the 20th century. Prerequisite: ENG 101 placement. F S Su

HUM 109 Cultural Values of India and Its Neighbors 3-0-3
(IAI HF 904N) Exploration of South Asian cultures (India, Pakistan, Afghanistan, Myanmar, Sri Lanka, Nepal, Bangladesh) as expressed in art, music, literature, history, and philosophy. Prerequisite: ENG 101 placement. F S Su

HUM 121 Women in Arts, Cultures, and Societies 3-0-3
(IAI HF 907D) Survey of representation of women in both traditional and popular arts and cultures (film, literature, music, television, visual art); emphasis on the relationship of such representation to the values, behaviors, and structures of societies. Prerequisite: ENG 101 placement. F S

HUM 122 Native American Cultures of North America 3-0-3
Past and present Native American cultures through selected works of literature, history, visual art, music, and other contemporary forms of expression. Prerequisite: ENG 101 placement. F S

HUM 123 The Irish Experience 3-0-3
Provides international students attending Carlow College an overview of Irish history, geography, religions, art and architecture, emigration, and their impact on contemporary Irish culture. Prerequisite: ENG 101 placement or ENG 099 with a grade of B or higher. (Carlow, Ireland program only) F S

HUM 166 European Cities 3-0-3
Urban cultures and traditions of Europe. Survey of nine major cities in terms of historical development and changing aesthetic ideals. Includes some site visits. Prerequisite: ENG 101 placement. (Salzburg Program only) F S

Independent Study

IND 288 Independent Study 1-4 credits
Designed for students who desire a broader opportunity to examine a special problem or subject area in greater detail than the present course offerings allow. Projects may take the form of a reading course, an experiment, or any other program of learning planned jointly by student and instructor. Independent study may not be used as a substitute for any present course in the curriculum. Course may be repeated up to a total of 4 semester hours credit. Prerequisites: 3.0 program GPA at Parkland College, sophomore standing, at least two previous courses in the subject field area, and written consent of the instructor and department chair.

Industrial Technology

See pages 273–276.

Ironworker

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

IRW 111 Orientation to Ironworking 2-0-2
Introduction to ironworking, math review, hazard communication, drug and alcohol awareness. Prerequisite: acceptance into ironworkers apprenticeship program.

IRW 112 Occupational Safety and Health .5-1.5-1
Occupational Safety and Health Act 29 CFR 1926, common causes of accidents and fatalities in industry. Students practice applications of standards. Prerequisites: acceptance into ironworkers apprenticeship program and credit or concurrent enrollment in IRW 111.

IRW 113 Structural Blueprint Reading 3-3-4
Reading and interpreting drawings for structural steel construction, elements of drawings, and steel frame construction drawings, including specific drawings, plans, specific job applications. Prerequisite: IRW 112.

IRW 114 Structural Steel Erection 3-9-6
Aspects of erecting structural steel, including history of iron and steel, plans and drawings, preparing materials, selecting a raising gang, erection of components, and fastening components and detailing. Welding, burning, mobile cranes, tower cranes, and bridges. Prerequisite: IRW 113.

IRW 115 Post Tensioning 3-3-4
History of post tensioning; prestressing; advantages of post tensioning; post tensioning systems; anchors; placing drawings and supports, and unloading, handling, and placing tendons, wire, and bars. Stressing of strand tendons and wire tendons, grouting of bonded tendons, bridges, and the threadbar post tensioning system. Prerequisite: IRW 114.

IRW 116 Reinforcing Blueprint Reading 2-6-4
Concentrated areas include types and applications of reinforced concrete used in building road and bridge construction, fabricating, unloading, handling and storing reinforcing steel, and reading engineering and placing drawings. Prerequisite: IRW 115.

IRW 117 Rigging 3-3-4
History of rigging, fiber line, wire rope, splicing wire rope, chains, hardware, reeving, and slings. Safety rules and information for operation of rigging equipment; operation and assembly of cranes; examples of rigging jobs; use of helicopters in construction; miscellaneous rigging equipment; skids and rollers, and access structures. Prerequisite: IRW 116.

IRW 118 Ornamental Ironworking 2-6-4
Tools, subframing and steel supports, stairs, fire escapes, ladders, railings, fences, partitions, doors, fire doors, elevators, flagpoles, playground equipment, and swimming pool equipment. Also doorway, wall, vault, and building accessory installation; care and maintenance of aluminum, bronze, and stainless steel construction materials. Prerequisite: IRW 117.

IRW 119 Pre-Engineered Buildings 1-3-2
Beginning information and steps for the erection of a pre-engineered building. Includes various types of architectural design, reading blueprints and instruction manuals, and layout procedures for a building including erection procedures, fasteners and anchors, and cost determination. Prerequisite: IRW 118.

Italian

Humanities
217/351-2217 • www.parkland.edu/hum

ITA 101 Beginning Italian I 4-0-4
For students with no previous and/or little instruction in Italian. Development of basic communicative skills. Emphasis on speaking, listening, reading, writing, and on Italian culture. Prerequisite: ENG 101 placement. F S

ITA 102 Beginning Italian II 4-0-4
Continued development of communicative skills. Emphasis on speaking, listening, reading, writing, and Italian culture. Prerequisite: ITA 101 or equivalent. F S

ITA 110 Introduction to Basic Italian I 2-0-2
For students with no previous formal instruction in Italian. Basic Italian with attention to oral communication, culture, and the language needs of the student, traveler, and worker. F S Su

ITA 112 Introduction to Basic Italian II 2-0-2
Continued basic Italian with attention to oral communication, culture, and the language needs of the student, traveler, and worker. Prerequisite: ITA 110 or equivalent. F S

Japanese

Humanities
217/351-2217 • www.parkland.edu/hum

JPN 101 Beginning Japanese I 5-0-5
Development of basic and oral and written communications skills in Japanese: speaking, listening, reading, writing; emphasis on Japanese culture. For students with no previous instruction in Japanese. Prerequisite: ENG 101 placement. F

JPN 102 Beginning Japanese II 5-0-5
Continued development of basic oral and written communications skills in Japanese: speaking, listening, reading, writing; emphasis on Japanese culture. Prerequisite: JPN 101 or equivalent. S

JPN 103 Intermediate Japanese I 5-0-5
Development of intermediate-level communications skills in Japanese: grammar, vocabulary, conversation, reading, and writing; emphasis on Japanese culture. Prerequisite: JPN 102 or equivalent. F

JPN 104 Intermediate Japanese II 5-0-5
(IAI H1 900) Continued development of intermediate-level communication skills in Japanese: grammar, vocabulary, conversation, reading, and writing; emphasis on Japanese culture. Prerequisite: JPN 103 or equivalent. S

Kinesiology

Natural Sciences
217/351-2285 • www.parkland.edu/ns

KIN 101 Personal Fitness Training I 3-3-4
Fitness testing protocols and norms, client consultation, and the design of exercise prescription for a diverse clientele in the following areas: resistance training, cardiovascular exercise, plyometrics, speed training, nutrition and weight control, flexibility, stability ball, and body-weight exercises. Prerequisites: credit or concurrent enrollment in BIO 111 or BIO 121 and approval of department chair. F

KIN 103 Exercise Fitness 0-2-1
Emphasis on activities leading to an individualized fitness program. Activities include cycling, treadmill, elliptical, and the use of strength training equipment. No concurrent enrollment in KIN 147, KIN 203, or KIN 247. Repeatable for a maximum of 2 credit hours. F S Su

KIN 110 Fundamentals Review for the Personal Trainer 1.5-1-2
Review of the structure and function of the body as it relates to human movement in the personal training setting. Intended for students pursuing an accelerated personal fitness training certificate. Prerequisite: approval of department chair or program director.

KIN 124 Golf I 0-2-1
Basic skills and elementary theory of golf. S Su

KIN 141 Beginning Basketball 0-2-1
Basic skills and elementary theory of basketball. F S

KIN 145 Aerobic Dancing 0-2-1
Contemporary physical fitness program consisting of dances made up of easy-to-learn steps and step patterns performed to various types of music. Individuals progress at their own rate. Repeatable for a maximum of 2 credit hours. F S Su

KIN 147 Weight Training 0-2-1
Fundamentals of strength training and conditioning through the use of free weights with emphasis on proper lifting techniques. No concurrent enrollment in KIN 103, 203, or 247. Repeatable for a maximum of 2 credit hours. F S Su

KIN 160 Introduction to Kinesiology 3-0-3
Professional opportunities available in the field of kinesiology, including physical education, recreation, safety, intramural and intercollegiate athletics; role of physical education and physical activity in total education; development of vocational objectives. This is the gateway course for the kinesiology program. F S

KIN 161 Basketball 1-2-2
Theory and practice in fundamentals and techniques of basketball with emphasis on skills and the theory and techniques of teaching and coaching basketball. F S

KIN 164 Introduction to Sports Psychology 3-0-3
Introduction to variables that affect motivation, goal setting, anxiety, and aggression in sport. Designed for individuals interested in applied psychological skills relevant to sport and performance. F S

KIN 168 Theories and Principles of Coaching 3-0-3
Theories and principles of coaching emphasizing motivation, practice, game preparation, professional certification/development, and administrative duties. Examines philosophies of notable coaches (Lombardi, Wooden, Robinson, Summit). Content applicable to all levels of competition. Eligible for certification via American Sport Education Program. F Su

KIN 181 Health Education 2-0-2
Personal health and wellness; nutrition, exercise, and stress; alcohol, tobacco, and drugs; and intimate relationships. Emphasis on strategies for modifying behaviors to achieve optimal personal wellness. F S Su

KIN 183 First Aid and CPR 2-0-2
Theory and techniques of first aid and CPR; emphasis on recognizing and responding to emergencies and developing skills needed to provide appropriate care. First Aid and CPR certification issued upon successful completion. F S Su

KIN 184 Introduction to Athletic Training 3- -3
Introduction to athletic training, including history of the profession, modalities, and the prevention, care, and treatment of athletic injuries. S

KIN 186 Introduction to Human Movement 1.5-1-2
Introduction to human movement through development of skills and knowledge relative to structure and function of the human body.

KIN 201 Personal Fitness Training II 3-5-5
Continuation of KIN 101 with an emphasis on special populations, including athletes, those with metabolic concerns, cardiovascular and respiratory conditions, injury rehabilitation, spinal cord injury, multiple sclerosis, epilepsy, and cerebral palsy. Also covers facility design and legal concerns. Prerequisites: BIO 111, KIN 101, and KIN 186 with grades of C or higher. S

KIN 203 Exercise Fitness II 0-2-1
Advanced concepts of training under the direction of a personal trainer from Parkland's PFT Program to improve fitness. Use of Parkland Fitness Center. No concurrent enrollment in KIN 103, KIN 147, or KIN 247. Repeatable for a maximum of 2 credit hours. F S Su

KIN 247 Weight Training II 0-2-1
Advanced concepts of strength training under the direction of a personal trainer from Parkland's PFT Program. Use of Parkland Fitness Center. No concurrent enrollment in KIN 103, KIN 147, or KIN 203. Repeatable for a maximum of 2 credit hours. F S Su

KIN 262 Golf 1-2-2
Theory and practice of fundamentals, rules, and etiquette of golf with reference to teaching golf. S Su

KIN 263 Sports Officiating 2-2-3
Fundamentals, techniques, and philosophy of officiating. Emphasis on knowledge of rules for various sports. S

KIN 288 Exercise Physiology 3-3-4
Application of anatomy and physiology to human movement. How the body moves and physiological responses to exercise stress. Prerequisites: BIO 121 with a C or higher and concurrent enrollment in BIO 122, or BIO 111 with a C or higher. S

Kiswahili

Humanities
217/351-2217 • www.parkland.edu/hum

KIS 101 Beginning Kiswahili I 4-0-4
For students with no previous instruction in Kiswahili. Development of basic communicative skills. Emphasis on speaking, listening, writing, and reading skills. Introduction to East African culture. Prerequisite: ENG 101. F

KIS 102 Beginning Kiswahili II 4-0-4
Continued development of basic reading, writing, and conversational skills. Reading of simple prose and study of East African culture. Prerequisite: KIS 101 or equivalent. S

KIS 103 Intermediate Kiswahili I 4-0-4
Development of an intermediate-level understanding and competency in Kiswahili. Increased emphasis on vocabulary, prose, listening, speaking, and writing. Prerequisite: KIS 102 or equivalent. F

KIS 104 Intermediate Kiswahili II 4-0-4
(IAI H1 900) Development of an intermediate-level understanding and competency in Kiswahili. Continued study of East African culture and history. Increased emphasis on vocabulary, prose reading, listening, speaking, and writing. Prerequisite: KIS 103 or equivalent. S

Laborer

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

LBR 111 Orientation to Laborers Craft 1-2-2
Work zone flagger training, sun sense, math review, back injury prevention, construction rigging and knot tying, hazard communication, drug and alcohol awareness. Prerequisite: admission to Laborers Apprenticeship program.

LBR 112 Occupational Safety and Health .5-1.5-1
Occupational Safety and Health Act 29 CFR 1926, common causes of accidents and fatalities in industry. Students practice applications of standards. Prerequisite: admission to Laborers Apprenticeship program.

LBR 113 Mason Tending 2-2-3
Practices and procedures of mason tending including scaffold erection, stocking techniques, mixing mortar and grout, and forklift operation. Prerequisite: admission to Laborers Apprenticeship program and First Aid/CPR certification.

LBR 114 Concrete Practices and Procedures 2-2-3
Concrete materials and mix proportions, tools and equipment used with concrete, finishing techniques, curing and protection of concrete. Prerequisite: admission to Laborers Apprenticeship program.

LBR 115 Asphalt Technology and Construction 2-2-3
Asphalt technology and construction, flagger certification, manual tape application, paint striping operator, carbide asphalt grinder. Prerequisite: admission to Laborers Apprenticeship program and First Aid/CPR certification.

LBR 116 Apprenticeship I 0-24-3
On-the-job component of Laborers Apprenticeship program; work related to skills learned in the classroom including mason tending, concrete procedures and asphalt use. All work activities performed under direct supervision of journeyman. Prerequisite: admission to Laborers Apprenticeship program.

LBR 131 Principles of Pipelaying 2-2-3
Principles of pipe laying including gravity flow piping systems, batter boards, sewer lasers, utility lines and grades, review of metric system. Prerequisites: LBR 111, LBR 112, LBR 113, LBR 114, LBR 115, LBR 116, and second year status in Laborers Apprenticeship program.

LBR 133 Asbestos Abatement 2-2-3
Asbestos abatement principles and practice, approved by Illinois Department of Public Health/EPA accredited. Prerequisites: LBR 111, LBR 112, LBR 113, LBR 114, LBR 115, LBR 116, and second-year status in Laborers Apprenticeship program.

LBR 136 Apprenticeship II 0-24-3
On-the-job component of Laborers Apprenticeship program; work related to skills learned in the classroom including mason tending, concrete procedures, asphalt use pipe laying, asbestos abatement, and blueprint reading. All work activities performed under direct supervision of journeyman. Prerequisite: second-year status in Laborers Apprenticeship program.

LBR 139 Highway Construction Plan Reading 3-0-3
Reading and interpreting highway construction plans and specifications. S

LBR 150 Basic Construction Surveying 1-2-2
Basic instrument methods and computations for leveling applications and site-work construction layout; level circuits, slope staking, baselines and offsets, building and utility layout. S

LBR 152 Bridges 2-2-3
Methods of bridge construction, renovation, and demolition for the laborer. Prerequisites: LBR 131, LBR 133, LBR 136, CIT 139, and third-year status in Laborers Apprenticeship program.

LBR 153 Hazardous Waste 4-2-4
Hazardous waste training for the Laborers Apprentice. Prerequisites: LBR 131, LBR 133, LBR 136, CIT 139, and third-year status in the Laborers Apprenticeship program.

LBR 156 Apprenticeship III 0-24-3
On-the-job component of Laborers Apprenticeship program; work related to skills learned in the classroom including mason tending, concrete procedures, asphalt use, pipe laying, asbestos abatement, and blueprint reading, surveying, bridge construction, and hazardous waste handling. All work activities performed under direct supervision of journeyman. Prerequisite: third-year status in Laborers Apprenticeship program.

LBR 250 Labor Management Development 3-0-3
Analysis of leadership skills (motivation, planning, communication, conflict resolution). Personal development required for career advancement.

LBR 251 Special Project I 3-0-3
Designed by the student and supervisor to develop special skills and talents in the field of choice. Prerequisites: completion of trade certificate and consent of department chair.

LBR 252 Special Project II 3-0-3
Designed by the student and supervisor to develop special skills and talents in the field of choice. Prerequisites: completion of trade certificate, recommendation of apprenticeship instructor, and consent of department chair.

LBR 253 Special Project III 3-0-3
Designed by the student and supervisor to develop special skills and talents in the field of choice. Prerequisites: completion of trade certificate, recommendation of union leadership, and consent of department chair.

LBR 271 Trade Apprenticeship I 0-24-3
Supervisory and management projects and activities. On-the-job experience in the selected field. All work activities will be done under direct supervision of a foreman and will consist of those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum. Prerequisites: approval of department chair and appropriate union management.

LBR 272 Trade Apprenticeship II 0-24-3
Supervisory and management projects and activities. On-the-job experience in the selected field. All work activities will be done under direct supervision of a journeyman and will consist of those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum. Prerequisites: approval of department chair and appropriate union management.

LBR 273 Trade Apprenticeship III 0-24-3
Supervisory and management projects and activities. On-the-job experience in the selected field. All work activities will be done under direct supervision of a foreman and will consist of those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum. Prerequisites: approval of department chair and appropriate union management.

LBR 274 Trade Apprenticeship IV 0-24-3
Supervisory and management projects and activities. On-the-job experience in the selected field. All work activities will be done under direct supervision of a foreman, and will consist of those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum. Prerequisites: approval of department chair and appropriate union management.

LBR 291 Fundamentals of Concrete Practices 1-2-2
Safety, construction math and measurements, project planning and site preparation. Prerequisite: admission to Concrete Specialist program and LBR 111.

LBR 292 Concrete Apprenticeship I 0-24-3
On-the-job component of the Concrete Specialist program; work related to skills covered in classroom including safety practices, project planning and site preparation. All work activities under direct supervision of journeyman. Prerequisite: admission to Concrete Specialist program and LBR 291.

LBR 293 Forming, Placing, and Finishing Concrete 2-3-3
Forming techniques, placing concrete, and various finishing techniques. Prerequisite: LBR 292.

LBR 294 Concrete Apprenticeship II 0-16-2
On-the-job component of the Concrete Specialist program; work skills related to forming, placing, consolidating, finishing and clean up of concrete projects, including repair. All work activities under direct supervision of journeyman. Prerequisite: LBR 293.

Liberal Arts and Sciences

Humanities
217/351-2217 • www.parkland.edu/hum

LAS 111 Information Literacy 1-0-1
Introduction to research and information skills needed for college success. Find and evaluate information tools and learn about the legal and ethical issues related to life in the information age. F S

LAS 189 Introduction to Liberal Arts and Sciences 3-0-3
Study of selected major works from the sciences, humanities, arts, and social sciences organized by themes and analyzed from different disciplinary perspectives. Students learn the Inquiry Method for analysis and interpretation, and they relate concepts and themes to their own lives. Prerequisite: ENG 101 placement. F S Su

Licenced Practical Nurse

Health Professions
217/351-2224 • www.parkland.edu/hp

LPN 111 Introduction to Nursing 1-0-1
Emphasizes effective therapeutic communication, time management, and critical thinking skills. Legal and ethical considerations in nursing will also be incorporated. Prerequisite: admission into the LPN program; credit or concurrent enrollment in BIO 121; and concurrent enrollment in LPN 114 and LPN 117. F S

LPN 114 Nursing Fundamentals 4-6-6
Introduction to nursing process, functional health patterns, planning of care, and normal age-related changes. Prerequisite: credit or concurrent enrollment in LPN 111, LPN 117, and BIO 121. F S

LPN 117 Nursing Pharmacology 3-0-3
Intro to principles of nursing pharmacology and pharmacological agents relating to managing disease states. Nursing-specific interventions pertaining to medication administration and nursing practice. Prerequisites: admission to the program and credit or concurrent enrollment in LPN 111, LPN 114, and BIO 121. F S

LPN 118 Health Alterations I 3-6-5
Utilizes the nursing process for providing care to adults presenting with common functional or health deviations. Prerequisites: completion of all first semester courses and credit or concurrent enrollment in BIO 122, DTP 120 or DTP 150, and HCS 136. S Su

LPN 130 Transition to Practice 1-0-1
Transition from a scholastic environment to a professional role. Prerequisites: completion of all 1st and 2nd semester courses and concurrent enrollment in ENG 101 and PSY 209; or LPN 131, LPN 132, and LPN 135. S Su

LPN 131 Health Alterations II 3-6-5
Uses the nursing process for providing care to adults with complex functional or health deviations. Prerequisites: completion of all 3rd semester program courses and concurrent enrollment in LPN 132 and LPN 135. F Su

LPN 132 Licensure Preparation 1-0-1
Legal requirements of the licensure process and the practical nurse's responsibilities under the Illinois Nurse Practice Act. Prerequisites: completion of all 3rd semester courses and concurrent enrollment in LPN 131 and LPN 135. F S

LPN 135 Nursing in Pediatrics and Obstetrics 4-6-6
Care of pregnant women, newborns, infants, children and adolescents. Normal physiological processes as well as health alterations are presented. Prerequisites: completion of all 3rd semester courses and concurrent enrollment in LPN 131 and LPN 132. F S Su

Life Saving Skills

Health Professions
217/351-2224 • www.parkland.edu/hp

LSS 210 Dysrhythmia Certification 3-0-3
Prepares professionals to be certified to work in monitored acute care areas and analyze cardiac strips. Prerequisite: completion of first year of a health professions program or approval of instructor or department chair. F S Su

LSS 211 Advanced Cardiac Life Support 1-0-1
Certifies healthcare professionals to direct or participate in the management of cardiopulmonary arrest or other cardiovascular emergencies. Prerequisite: approval of instructor or department chair. F S Su

Literature

Humanities
217/351-2217 • www.parkland.edu/hum

LIT 120 Introduction to Literature 3-0-3
(IAI H3 900) Reading and analysis of literature from a variety of literary forms and periods; developing personal critical judgment about literature, as well as familiarity with different approaches to literary analysis. Prerequisite: ENG 101 placement. F S Su

LIT 121 Introduction to Poetry 3-0-3
(IAI H3 903) Reading and analysis of poetry of various types and from various periods. Development of vocabulary to discuss poetic meanings, forms, and techniques. Prerequisite: ENG 101 placement. (Also in Canterbury Program) F S Su

LIT 125 Introduction to Shakespeare 3-0-3
(IAI H3 905) Reading and analysis of Shakespearean comedy, history, tragedy, romance, and sonnets. Includes viewing and analysis of at least one film adaptation. Prerequisite: ENG 101 placement. (Also in Canterbury Program) F S Su

LIT 126 Introduction to Drama 3-0-3
(IAI H3 902) Reading and discussion of plays of various types from classical to modern drama, with some attention to dramatic and theatre criticism. Includes examination of aesthetic and cultural dimensions of various dramatic forms. Prerequisite: ENG 101 placement. F S

LIT 127 Introduction to Fiction 3-0-3
(IAI H3 901) Reading and discussion of short stories, novels, and other works of fiction, with some attention to critical approaches. Includes examination of aesthetic and cultural dimensions. Prerequisite: ENG 101 placement. F S Su

LIT 130 Introduction to Children's Literature 3-0-3
Introduction to the classics of children's literature to develop personal critical judgment and skill in analyzing these works as literary and artistic achievements. (Canterbury Program only)

LIT 141 Introduction to African American Literature 3-0-3
(IAI H3 910D) A survey of literature by African American writers, exploring the formation of racial/cultural identity, and developing a broader historical understanding of the cultural experiences expressed. Exploration of poems, novels, plays, speeches, and other texts. Prerequisite: ENG 101 placement. F S

LIT 142 Women in Literature 3-0-3
(IAI H3 911D) Study of women writers and exploration of the experiences of women presented in literature, the construction of gender identity, and the evolution of the female voice as found in poetry, drama, and fiction. Prerequisite: ENG 101 placement. F

LIT 146 Introduction to Non-Western Literature 3-0-3
(IAI H3 908N) Introduction to literature from a variety of epochs and cultures, such as Africa, Asia, Middle East, and Caribbean. An emphasis on the intellectual, social, and political contexts of the works. Prerequisite: ENG 101 placement. F S

LIT 147 Introduction to African Literature 3-0-3
(IAI H3 908N) Reading and discussion of oral and written literature of Africa with attention to social, historical, political, and cultural contexts. Selections from pre-colonial, colonial, and post-colonial periods will be included, with emphasis on poetry, fiction, nonfiction, and drama of twentieth-century sub-Saharan Africa. Prerequisite: ENG 101 placement. F

LIT 148 Introduction to Latin American Literature 3-0-3
(IAI H3 908N) Reading and discussion of major works of Latin American fiction and poetry in English translation, considered in the context of Latin American historical, cultural, and literary traditions. Prerequisite: ENG 101 placement. F S

LIT 149 Modern Irish Literature 3-0-3
Examine the manner in which language, history, politics, culture, and identity interrelated in late-nineteenth and early-twentieth century Ireland, and their impact on the development of contemporary literature. Prerequisite: ENG 101 placement or ENG 099 with a grade of B or higher. (Carlow, Ireland program only) F S

LIT 201 British Literature I 3-0-3
(IAI H3 912) Survey and critical analysis of works of British literature before 1785, focusing on literary movements and genre delineation, intellectual, historical, cultural, and linguistic background, and emphasizing thematic and structural elements in the works. Prerequisite: ENG 101 or one semester of LIT. (Also in Canterbury Program) F

LIT 202 British Literature II 3-0-3
(IAI H3 913) Survey and critical analysis of works of British literature from 1785 to the present, in focusing on literary movements and genre delineation, intellectual, historical, cultural, and linguistic background, and emphasizing thematic and structural elements in the works. Prerequisite: ENG 101 or one semester of LIT. (Also in Canterbury Program) S

LIT 204 American Literature I 3-0-3
(IAI H3 914) Survey and critical analysis of works illustrating the development of American literature through the Civil War, including exploration of literary movements, as well as the intellectual, social, political, and historical contexts of the literature. Prerequisite: ENG 101 or one semester of LIT. (Also in Canterbury Program) F

LIT 205 American Literature II 3-0-3
(IAI H3 915) Survey and critical analysis of works illustrating the development of American literature from the Civil War to the present, including exploration of literary movements, as well as the intellectual, social, political, and historical contexts of the literature. Prerequisite: ENG 101 or one semester of LIT. (Also in Canterbury Program) S

Management

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

MGT 101 Principles of Management 3-0-3
Managerial processes (planning, organizing, leading, and controlling) essential to the successful operation of various types of businesses. Student learns steps necessary to become an effective manager. Discussion of managerial challenges in today's workplace. F S Su

MGT 112 Human Resource Management 3-0-3
Planning, developing, and controlling human resources within the organization: recruiting, selecting, training, labor relations, salary, and fringe benefit administration. F S

MGT 113 Human Relations in the Workplace 3-0-3
Role of the individual in interpersonal relationships in organizations and business-related fields. Emphasis on the personal development necessary to succeed in the business organization. F S Su

MGT 116 Retail Management 3-0-3
Key perspectives that shape the retail marketplace including environmental influences, retail relationships, retail analysis and decision-making strategies will be emphasized. Important concepts including consumer satisfaction, supply chain relationships, ethics, social responsibility, and the use of technology.

MGT 117 Customer Service Management 3-0-3
Students analyze the characteristics of a model of good service in business and apply the principles derived from a comprehensive customer service strategy. Practical techniques for achieving customer satisfaction are integrated through analysis of customer communications.

Industrial/Manufacturing Technology

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

MFT 110 Mechanical Assemblies 2-2-3
Interpreting documentation for assembly and installation requirements; fundamentals of power transmission; basic and precision measuring tools; fasteners, tools, and torque specifications; bearing types and applications; seals; gaskets; lubrication. F

MFT 113 Introduction to Hydraulics and Pneumatics 3-0-3
Introduction to theory and applications of fluid and pneumatic power transfer and control. S

MFT 114 Introduction to Pneumatics 1-2-2
Introduction to theory and applications of pneumatic power transfer and control. Typical components and systems are included, e.g., pumps, valves, filters.

MFT 116 Introduction to Hydraulics 1-2-2
Introduction to theory and applications of fluid power transfer, generation, and control. Typical components, e.g., pumps, check valves, and filters.

MFT 117 Pumps, Compressors and Vacuum Systems 2-2-3
Theory and operation of centrifugal and metering pumps, piston and rotary type compressors, safety valves, pressure regulators, oil and water separators, and dryers. Vacuum pumps, surfaces and cups, and gauges. S

MFT 119 Introduction to Industrial Technology 2-2-3
Introductory skills in the following areas: manual machine tool operation, computer numerical control (CNC) programming, pneumatics, hydraulics, and welding.

MFT 121 Basic Machine Processes 2-2-3
(IAI MTM 921) General machining procedures including basic operations of lathe and mill. Basic bench work operations including layout and hand tools. Basic machine tool projects using cross section of machine tool equipment. F S

MFT 122 Intermediate Machine Processes 2-2-3
Setup and operational procedures of mills, grinders, and lathes. Cutting speeds, feed rates, tool geometry for various types of alloy steels. Prerequisite: MFT 121. F S

MFT 125 Principles and Processes of Modern Manufacturing 3-0-3
(IAI IND 913) Introduction to principles involved and materials used in modern manufacturing. Analysis and comparison of several processes including cold and hot forming of metals, powder metallurgy, and plastic forming. Includes new processes and techniques.

MFT 127 Introduction to CNC Programming 4-0-4
Introduction to computer numerical control (CNC) and programming CNC machines. Emphasis on fundamentals of CNC lathe and mill operations and good programming practices. Prerequisite: MFT 121 or equivalent. S

MFT 128 Quality Assurance 3-0-3
(IAI IND 914) Basic concepts of quality. Application of probability, statistics, and sampling for quality control, process control, and failure analysis. Military standards and reliability documents will be used to evaluate product performance and identify causes of failure. Prerequisite: MAT 071, MAT 072, MAT 081, or MAT 095. S

MFT 131 Introduction to Manufacturing 3-0-3
History, economics, employability skills, processes, and quality measurement as related to manufacturing. Emphasis on preparing student for co-op experience. F

MFT 133 Valves and Piping 2-2-3
Piping, tubing, connections and valve assemblies used in the control and transport of fluids in industry. S

MFT 138 Intermediate CNC Programming 4-0-4
Intermediate computer numerical control (CNC) 3-axis programming and operation; CNC mill and lathe operation and good programming practices. Prerequisite: MFT 127 or equivalent. S

MFT 151 Manufacturing Work Experience I 0-15-3
Co-op experience in manufacturing: work experience in manufacturing or related industries. Prerequisites: MFT 131 or equivalent and approval of department chair. F S Su

MFT 152 Manufacturing Work Experience II 0-15-3
Continuation of MFT 151. Work experience in manufacturing or related industries. Prerequisites: MFT 151 or equivalent and approval of department chair. F S Su

MFT 153 Manufacturing Work Experience III 0-15-3
Continuation of MFT 152. Work experience in manufacturing or related industries. Prerequisites: MFT 152 or equivalent and approval of department chair. F S Su

MFT 154 Manufacturing Work Experience IV 0-15-3
Continuation of MFT 153. Work experience in manufacturing or related industries. Prerequisites: MFT 153 or equivalent and approval of department chair. F S Su

MFT 210 Industrial Safety 3-0-3
Introduction to industrial and workplace safety topics in manufacturing, including lock-out/tag-out, confined space, fall protection, safe lifting, fire safety, material safety data sheets, personal protective equipment, and others. F

MFT 211 Advanced Machining Processes and Inspection Practices 3-2-4
Advanced manual machine tool operation and inspection practices. Prerequisite: MFT 122 or equivalent. F S

MFT 212 Industrial Maintenance Applications 2-2-3
Introduction to mechanical repair and preventative maintenance as applied to the manufacturing environment. Includes installation, troubleshooting, and repair procedures for a variety of mechanical power transmission equipment. Also includes leveling, anchoring, and adjustment of machine tools and other equipment. F

MFT 238 Advanced CNC Programming 4-0-4
Advanced computer numerical control (CNC) 3- and 4-axis programming and operation; setup and operation of industrial CNC turning center and vertical machining center. Prerequisite: MFT 138. S

Marketing

Business and Agri-Industries
217/351-2213 • www.parkland.edu/bai

MKT 101 Introduction to Marketing 3-0-3
Marketing in business and other types of organizations. Emphasis given to manager's role in development of marketing strategy: product planning, distribution, promotion, pricing, consumer behavior, industrial marketing, and market research. F S Su

MKT 130 Marketing for E-commerce 3-0-3
Introduction to online marketing tools and models, online research, Internet user characteristics, product and pricing strategies, distribution channels, and relationship marketing. F

MKT 155 Salesmanship 3-0-3
Principles of personal selling, including oral and written sales communication, business principles as applied to sales, consumer motivation, and product promotion. Includes sales performance demonstrations. F S

MKT 211 Marketing Management 3-0-3
Practical application of marketing principles: marketing strategy, demand analysis, product, price, promotion, and distribution strategies. Prerequisites: MKT 101 and MGT 101. S

MKT 218 Introduction to Global Marketing 3-0-3
Overview of marketing process in an international context: domestic and international business operations in world marketplace; social, political, cultural, and economic differences among countries and their impact on marketing. S

Massage Therapy

Health Professions
217/351-2224 • www.parkland.edu/hp

MSG 110 Careers in Massage Therapy 1-0-1
Introduction to the massage therapy program, profession, basic palpation, ethics, responsibilities, and nature of work. For individuals interested in a career in massage therapy; may be used as an elective for massage therapy AAS degree. F S Su

MSG 111 Introduction to Massage Therapy Theory 1.5-0-1.5
Introduction to the profession of massage therapy, professional ethics, and Swedish Massage techniques. Prerequisites: admission into the massage therapy program and BIO 111 with a grade of C or higher.

MSG 112 Massage Therapy I 1-6-4
Expanded basic theory and techniques of massage therapy; benefits, indications, contraindications, draping, body mechanics, client interviews, chair massage, equipment, and supplies. Massage techniques combine to culminate in a full body massage. Prerequisite: concurrent enrollment in MSG 111. S

MSG 113 Pathology for Massage Therapists 3-0-3
Mechanics of selected disease processes and effects of massage on those processes. Indications and contraindications for massage included. Prerequisites: MSG 111 and MSG 112. S

MSG 114 Massage Therapy II 3-7-6.5
Introduces intermediate level therapeutic techniques. Joint mobilization, hydrotherapy, sports massage, positional release, neuromuschular therapy and deep tissue techniques. Contemporary massage and bodywork topics include myofascial release, manual lymph therapy, trigger point therapy, foot reflexology, hot stone massage and others. Prerequisites: MSG 112 and current CPR card. S

MSG 115 Business Practices and Ethics 3-0-3
Introduction to major aspects of building and maintaining a successful practice. Starting a new practice, establishing a bookkeeping system, maintaining client records, delivering a business plan, and legal and ethical issues, including professional ethics, scope of practice, and contemporary issues in the profession. Su

MSG 117 Massage Therapy III 2-4-4
Asian bodywork traditions including acupuncture, Shiatsu, and Jin Shin Do. Reiki and cranial-sacral therapy, nutrition, stress reduction, assessment, treatment planning, and specific conditions addressed by massage therapy. Prerequisites: MSG 113, MSG 114, and MSG 119. Su

MSG 119 Musculoskeletal Anatomy/ Massage Therapy 3-0-3
Origin, insertion, action, and innervation for major muscles. Prerequisites: BIO 111, MSG 111, and MSG 112. F

MSG 131 Massage Therapy Clinical Practicum I 1-4-2
Supervised clinical experience designed to provide training and practical experience in therapeutic massage. Students must spend 45 hours at on- or off-campus locations experiencing real-life application of massage techniques. Prerequisites: MSG 114 and current CPR card. S

MSG 132 Massage Therapy Clinical Practicum II 0-3-1
Supervised clinical experience designed to provide training and practical experience in therapeutic massage. Students must spend 45 hours at on- or off-campus locations experiencing real-life application of massage techniques. Prerequisites: credit or concurrent enrollment in MSG 131 and current CPR card. Su

Mathematics

Mathematics
217/351-2225 • www.parkland.edu/math

Assessment
Parkland College is committed to helping students achieve success in their course work. In this effort, the college has designed a mathematics assessment program to aid students in selecting the most appropriate mathematics course while taking into account wide and varied backgrounds. Assessment or credit in the listed prerequisite course is required prior to registering in any mathematics course. Assessment scores are valid for only two years; thereafter, the student must be reassessed.Students with transfer credit in mathematics are not required to take the assessment, but can be placed on the basis of mathematics credits earned within the last five years (after a review of transcripts).

MAT 060 Pre-Algebra Skills 4-0-4
Ratio, proportion, percent, conversion of units, area, perimeter, signed numbers, order of operations, formulas, basic equations, basic exponent laws, word phrases, and basic word problems. Prerequisite: assessment. F S Su

MAT 072 Mathematical Literacy 5-0-5
Numerical reasoning, unit conversions, linear equations/ inequalities, models of growth, and data representation. Algebraic reasoning and graphical analysis using linear and non-linear functions. Emphasis on modeling, interpretation, and problem solving. Prerequisite: MAT 060 with grade of C or higher or assessment. F S Su

MAT 097 Geometry 4-0-4
First course in plane geometry; logical reasoning and proofs, angle-line relationships, triangles, congruence and similarity, polygons, the Pythagorean Theorem, arc-angle and segment relationships in circles, constructions, area, and space geometry. Prerequisite: MAT 071, MAT 081, or MAT 095 with grade of C or higher, assessment, or approval of department chair. F S Su

MAT 098 Intermediate Algebra 5 -0-5
Relations, functions, graphs and their analysis, polynomials and factoring, radicals, quadratic equations and inequalities, algebraic fractions, quadratic functions, modeling and applications, linear and quadratic curve fitting. Prerequisite: MAT 071 with grade of C or higher, or MAT 072 with grade of C or higher, or MAT 081 with grade of C or higher, or assessment. F S Su

MAT 105 Mathematics for Elementary Teachers I 3-0-3
Concepts and structures of real, rational, and integer numbers; sets; logic; development of numeration systems; and problem-solving techniques. Does not satisfy general education elective for any transfer program. Prerequisites: passage of a computational mastery test, MAT 097 with grade of C or higher (or high school equivalent), and either MAT 086, MAT 098, or MAT 099 with grade of C or higher or assessment. F

MAT 106 Mathematics for Elementary Teachers II 3-0-3
(IAI M1 907) Continuation of MAT 105. Concepts from number theory, probability, statistics, geometry, measurement, and non-metric geometry. Satisfies the general education requirements only for students seeking state certification as elementary teachers. Prerequisite: passage of a computational mastery test, MAT 097 with grade of C or higher (or high school equivalent), and either MAT 086, MAT 098, or MAT 099 with grade of C or higher or assessment. S

MAT 107 General Education Mathematics 3-0-3
(IAI M1 904) For non-mathematics, non-science, and non-business majors, mathematical reasoning and solving real-life problems using logic and set theory, mathematics of finance, probability, and statistics. Prerequisites: MAT 071 with a grade of C or higher, or MAT 072 with grade of C or higher, or the following: MAT 097 with grade of C or higher (or high school equivalent) and either MAT 086 or MAT 098 with grade of C or higher or assessment. F S Su

MAT 108 Introduction to Applied Statistics 3-0-3
(IAI M1 902) Basic statistical principles, graphic presentation, descriptive measures of central tendency, dispersion and location, inferential statistics and hypothesis testing, analysis and inference of linear correlation coefficient, and slope of regression line. Credit not given for both MAT 108 and MAT 160. Prerequisites: MAT 071 with grade of C or higher, or MAT 072 with grade of C or higher, or the following: MAT 097 with grade of C or higher (or high school equivalent) and either MAT 086, or MAT 098 with grade of C or higher or assessment. F S Su

MAT 110 Business Mathematics 3-0-3
Use of a scientific calculator; basic arithmetic operations, percentages, payroll, simple and compound interest, annuities, sinking funds, promissory notes, discounting, depreciation, merchandising, retailing, reconciliation, installment loans, periodic loans, mortgage loans, elementary descriptive statistics, and spreadsheet applications. Prerequisite: MAT 060 or MAT 094 with grade of C or higher or assessment. F S Su

MAT 124 College Algebra 4-0-4
Relations and functions; linear, polynomial, exponential, and logarithmic models; radicals and complex numbers; systems of equations and matrix methods; determinants and Cramer's Rule; sequences and series; and binomial theorem. Prerequisites: MAT 097 with grade of C or higher (or high school equivalent) and either MAT 086 with grade of C or higher or MAT 098 with grade of C or higher or assessment. F S Su

MAT 125 College Trigonometry 3-0-3
Trigonometric functions, fundamental identities, graphing, solving trigonometric equations, inverse trigonometric functions, complex numbers, and vectors. Prerequisites: MAT 097 (or high school equivalent) and MAT 124 with grade of C or higher or concurrent enrollment in MAT 124, or assessment. F S Su

MAT 126 Precalculus Mathematics 5-0-5
Relations and functions; linear, polynomial, exponential, and logarithmic models; radicals and complex numbers; systems of equations; trigonometric functions; fundamental identities; graphing; solving trigonometric equations; and inverse trigonometric functions. Credit will not be given for both MAT 126 and MAT 124-125. Prerequisites: COMPASS score of 7055 or higher and high school precalculus in the last two years with a grade of A or B. Permission of department chair required. F

MAT 128 Calculus and Analytic Geometry I 5-0-5
(IAI MTH 901) Derivative and its applications; integral and its applications; limits and continuity; trigonometric, exponential, logarithmic, and hyperbolic functions. Credit not given for both MAT 128 and MAT 143. Prerequisites: MAT 124 and MAT 125 with grade of C or higher in both or MAT 126 with grade of C or higher or assessment. F S Su

MAT 129 Calculus and Analytic Geometry II 4-0-4
(IAI M1 900-2, MTH 902) Conic sections, polar coordinates, methods of integration, applications of integration, parametric equations, indeterminate forms, infinite series. Prerequisite: MAT 128 with grade of C or higher. F S Su

MAT 131 Applied Mathematics 3-0-3; 4-0-4-
Addition, subtraction, multiplication, and division of whole numbers, fractions, decimals, and signed numbers; percents; measurement; scientific notation; calculators; equations; formulas; graphs; ratio and proportion; metric system; polynomials; plane and solid figures and their formulas; systems of equations; basic statistics; and right triangle trigonometry. Prerequisite: MAT 060 or MAT 094 with grade of C or higher or assessment. F S

MAT 134 Technical Mathematics I 4-0-4
Mathematics used in technical applications. Fundamental algebraic and geometric concepts and operations, measurement, metric system, ratio, proportion, variation, functions and graphs, right triangle trigonometry, systems of linear equations, factoring, and algebraic fractions; quadratic equations, exponents and radicals, exponentials and logarithms. Prerequisite: MAT 071, MAT 072, or MAT 081 with grade of C or higher or assessment. F S

MAT 135 Technical Mathematics II 3-0-3
(IAI MTM 901) Trigonometric functions; solution of right triangles and oblique triangles, basic trigonometric formulas and identities; inverse trig functions; applications using vectors; systems of linear and non-linear equations with technical applications. Prerequisite: MAT 134 or equivalent with grade of C or higher. S

MAT 141 Finite Mathematics 4-0-4
(IAI M1 906) Sets, combinatorial analysis, theory of probability, linear programming, vectors, matrices, and Markov chains. Not recommended for mathematics/science transfer students. Prerequisite: MAT 124 with grade of C or higher or assessment. F S Su

MAT 143 Calculus for Business and Social Sciences 4-0-4
(IAI M1 900-B) Mathematical analysis of polynomial calculus with applications to business and social sciences; algebraic review, derivatives and integrals of algebraic functions, limit and continuity theory, logarithmic and exponential functions, and partial derivatives. Credit not given for both MAT 143 and MAT 128. Prerequisite: MAT 124 with grade of C or higher or assessment. F S Su

MAT 145 Linear Algebra for Business 4-0-4
(IAI M1 906) Basic concepts and techniques of linear algebra: systems of linear equations, inequalities, matrices, determinants, vectors, and eigenvalues; linear algebra applications: linear programming, simplex method, Markov chains, and Leontief models. Credit not given for both MAT 145 and MAT 220. Prerequisite: MAT 124 with grade of C or higher or assessment. F S Su

MAT 151 Mathematics for Health Careers 2-0-2
Review of fractions, decimals, and percents; household, apothecary, and metric systems of measurement; ratio and proportion; infusion rates; units of drug measurement; stock solutions and dilutions; dosage and concentration application problems. Prerequisite: MAT 060 or MAT 094 with grade of C or higher or assessment. F S

MAT 160 Statistics 4-0-4
(IAI M1 902, BUS 901) Data organization, distributions, measures of central tendency and variability, probability, probability functions, sampling, the normal distribution, expected value, estimation, hypothesis testing, student's t-test, chi-square analysis, analysis of variance, regression, correlation, nonparametric methods and decision theory with applications. Credit not given for both MAT 108 and MAT 160. Prerequisite: MAT 124 with grade of C or higher or assessment. F S Su

MAT 200 Introduction to Discrete Mathematics 3-0-3
(IAI M1 905, CS 915) Introduction to discrete mathematics, sets, functions, logic, proofs, Boolean algebra, combinatorics, probability, recurrence relations, trees, and graph theory. Prerequisite: MAT 124 with grade of C or higher or assessment. S

MAT 220 Linear Algebra 3-0-3
(IAI MTH 911) Vector spaces, subspaces, linear independence, basis, dimension, linear transformations, eigenvalues, eigenvectors, matrices, and determinants. Credit not given for both MAT 145 and MAT 220. Prerequisite: credit or concurrent enrollment in MAT 228 with grade C or higher or approval of department chair. S

MAT 228 Calculus and Analytic Geometry III 4-0-4
(IAI M1 900-3, MTH 903) Three-dimensional vectors, solid analytic geometry, vector-valued functions, partial derivatives, multiple integrals, line integrals, Green's theorem, surface integrals, divergence theorem, and Stokes' theorem. Prerequisite: MAT 129 with grade of C or higher. F S Su

MAT 229 Differential Equations and Introductory Matrix Theory 5-0-5
(IAI MTH 912) Matrices and inverses, determinants, vector spaces, eigenvalues and eigenvectors; solution methods for first-order and higher order linear differential equations; systems of linear differential equations; Laplace transforms; numerical methods; elementary power series methods; and applications. Prerequisite: MAT 228 with grade C or higher or approval of department chair. F S Su

Medical Assisting

Health Professions
217/351-2224 • www.parkland.edu/hp

MAS 116 Point of Care Testing 1-0-1
Fundamentals of basic laboratory testing at point-of-care setting: necessity, training, competency, instrument or test selection, advantages and disadvantages, and compliance. Prerequisite: CCS 099 placement and ENG 101 placement, credit or concurrent enrollment in MAS 135 or approval of program director or department chair. F S Su

MAS 135 Introduction to Medical Assisting 3-3-4-
Skills used in medical assisting: communication, safety, infection control, basic assessment, equipment, basic anatomy and physiology, and basic first aid. Prerequisites: admission into the medical assisting program, CCS 099 and ENG 101 placement, and MAT 070 or MAT 080 placement. F S

MAS 156 Aseptic Techniques 1-3-2
Fundamentals of microbial control; procedures for sanitation, disinfection, and sterilization; specimen collection and handling; compliance with OSHA, CDC, assisting with minor surgery. Prerequisites: admission into the medical assisting program, and completion of MAS 135 and HCS 154 or approval of program director or department chair. F S Su

MAS 158 Administration of Medication 1-2-2
Principles and procedures for administration of medications; legal aspects, mathematical review; emphasis on routes of drug administration. Prerequisites: MAS 135 or CCS 099 placement, ENG 101 placement, and MAT 070 placement or MAT 080 placement, and approval of program director or department chair. F S Su

MAS 170 Medical Assisting Practicum 0-18-3-
Application of clinical skills, procedures, and knowledge derived from medical assisting courses. Prerequisite: completion of all required program courses with a grade of C or higher and approval of program director or department chair. F S Su

MAS 172 Special Project for Medical Assistants 1-0-1
Tailored around interests and needs of individual student. Structured to provide atmosphere of research and study paralleled by professional expertise and guidance; allows best aspects of independent study and student development. Prerequisites: CCS 099 placement and ENG 101 placement. F S Su

Military Science

Admissions and Records
217/351-2482

MSC 101 Introduction to Military Science 2-0-2
Introduction to leadership in the military. Includes organization, mission, and function of the Army; principles of leadership, tools and techniques for student success while in college. One weekly 90-minute leadership laboratory and one weekly 70-minute physical exercise session required. Prerequisite: department permission required. F

MSC 102 Map Reading and Land Navigation 2-0-2
Fundamentals of military and U.S. Geological Survey map reading including methods such as intersection and resection; land navigation and orienteering techniques and their applications. Field trips and mandatory leadership laboratory. Prerequisite: department permission required. S

MSC 103 Military Mountaineering and Survival 2-0-2
Fundamentals of military mountaineering and survival. Covers scaling rock surfaces and rappelling; emplacement of rock bridging; and military survival techniques including camouflage and combat lifesaving. Field trips and mandatory leadership laboratory. Prerequisite: MSC 101 or approval of instructor. F

MSC 105 Military Marksmanship 2-0-2
Fundamentals of military rifle marksmanship. Systematic study of maintenance, operation, and employment of Army's primary individual weapon system, M16 rifle. Weapons safety, military marksmanship techniques and tactics, risk assessment and management, integration of live-fire M16 range. Field trips and mandatory leadership laboratory. Prerequisite: MSC 101 or approval of instructor. S

Millwright

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

MLL 113 General Background for Millwrights 3-6-5
Concepts commonly found in blueprints; precision measuring tools; basic layout and piece part measurement; bolts, fasteners, and torquing; lubrication. Prerequisites: CCA 111 and CCA 112.

MLL 114 Machine Components 2-3-3
Theories of pneumatics and hydraulics, types of bearings and their uses; lubrication; types of gaskets, packing, and seals; fundamentals of power transmission; safety issues; related mathematics. Prerequisites: CCA 111 and CCA 112.

MLL 116 Machine Installation I 1-3-2
Operation and handling of various types of pumps and valves, inspection, troubleshooting, rigging and safety. Prerequisites: MLL 113 and MLL 114. F S

MLL 117 Machinery Alignment I 1-3-2
Care and use of alignment instruments, shaft alignment procedures, including rim and face, double reverse, and laser alignment, safety procedures including lockout/tag-out. Prerequisite: MLL 116. F S

MLL 118 Machine Installation II 1-3-2
Design, operation, and application of fans and blowers; theory and installation of various types of compressors; troubleshooting and maintenance. Prerequisites: MLL 116 and MLL 117.

MLL 119 Machinery Alignment II 1-3-2
Advanced theory, operation, and principles of optical instruments used in machinery alignment. Prerequisites: MLL 116 and MLL 117.

MLL 211 Valves .5-3-1.5
Theory and operation of valves; overhaul procedures, installation, maintenance, and valve setting procedures. Prerequisite: MLL 119.

MLL 212 Turbines 2-0-2
Main construction and design features of gas turbines used for power generation; emphasis on GE gas turbines. Prerequisites: MLL 118, MLL 119, MLL 291, MLL 292, MLL 293, MLL 294, and MLL 295.

MLL 216 Monorails and Conveyor Systems 1-3-2
Basic installation procedures for various types of monorail and conveyor systems. Prerequisite: WLD 112.

MLL 291 Confined Space 1-0-1
Safe entry procedures, monitoring principles, entry permits, OSHA standards, role of those entering confined spaces, attendants assigned to confined spaces. Prerequisite: approval of instructor or department chair.

MLL 292 Forklift Operation 0.5-1.5-1
Theory and practical skills for the sit-down counter forklift. Prerequisite: approval of instructor or department chair.

MLL 293 Scaffold User 0.5-0-.5
Common hazards and safety regulations for scaffold use. Meets OSHA requirements for Scaffold User Safety and Health Certification. Prerequisite: approval of instructor or department chair.

MLL 294 Rigging 0.5-1.5-1
Knots, bends, and hitches for specific rigging applications to safely lift and move heavy objects according to OSHA regulations.

MLL 295 Aerial Lift 0.5-1.5-1
OSHA operator training for aerial and platform lifts.

Music

Fine and Applied Arts
217/351-2392 • www.parkland.edu/faa

MUS 100 Music Fundamentals 3-0-3
Music notation, scales, chords, and key signatures for non-music majors with little or no background in music fundamentals. F S Su

MUS 101 Music Theory and Harmony I 3-0-3
Major, minor, and modal melody; major, minor, and diminished triads; chord progression, species counterpoint, doubling and spacing in four parts; application of voice leading principles; triads in first and second inversion; phrase structure and cadences; elementary musical form study. Prerequisites: concurrent enrollment in MUS 103 recommended and prior completion of MUS 100 or equivalent recommended. F

MUS 102 Music Theory and Harmony II 3-0-3
Continuation of MUS 101: harmonic progression, four-part harmonization, non-harmonic tones. Principles of melodic writing: motive use and variation, phrase structure, and analysis involving inversions of seventh chords. Concurrent enrollment in MUS 104 recommended. Prerequisite: MUS 101 or equivalent. S

MUS 103 Ear-Training, Sight-Singing, and Keyboard Harmony I 2-0-2
Develops hearing and notational skills through weekly classroom lectures and computer lab assignments. Emphasis on basics of pitch and rhythm reading. Use of movable do solfege. Aural identification of diatonic major-scale intervals and basic triad qualities. Aural identification of short, non-modulating chord progression consisting primarily of root-position triads. Correlated keyboard experience. F

MUS 104 Ear-Training, Sight-Singing, and Keyboard Harmony II 2-0-2
Continuation of MUS 103: emphasis on pitch and rhythmic aspects of sight-singing and melodic dictation; major and minor triads in root position and inversions; dominant seventh chords. Correlated keyboard experience. Prerequisite: MUS 103. S

MUS 121 Music Appreciation 3-0-3
(IAI F1 900) Understanding music through perceptive listening. Deals with elements of music (melody, rhythm, harmony, form, tone color) and how they are combined to create a given musical effect. Small and large music forms studied from various eras in music history. Emphasis placed on increasing one's aural awareness of what is happening in music. F S Su

MUS 123 Introduction to American Music 3-0-3
(IAI F1 904) Introduction to recorded music of the United States: religious music and folk influences, blues, gospel, country, rock, Broadway, ragtime, jazz, and fine art music presented with a view toward the awakening of critical abilities helpful in the understanding and enjoyment of music. F S Su

MUS 124 Introduction to Non-Western Music 3-0-3
(IAI F1 903N) Introduction to music from diverse cultures with special attention to the influence of society, religion, and visual arts on music of various regions. Style and genre identification, primary instruments, dances, and compositional approaches found in world music. F S Su

MUS 142 Choral Ensemble—Chamber Singers 0-3-1
Perform the music from Renaissance to contemporary classics. Fair knowledge of sight-singing helpful. Audition required or consent of faculty member. Repeatable for a maximum of 4 credit hours. Also offered as noncredit CMS 442. F S

MUS 146 Instrumental Ensemble—Wind Ensemble 0-3-1
Rehearses and performs challenging, contemporary literature for wind and percussion instruments. This auditioned ensemble is open to students, faculty, and members of the community. Repeatable for a maximum of 4 credit hours. Also offered as noncredit CMS 446. F S

MUS 147 Instrumental Ensemble—Orchestra 0-3-1
Open to all students and members of the community. Reading and performance of all styles of symphonic repertory. Repeatable for a maximum of 4 credit hours. Offered to district residents as noncredit CMS 447. F S

MUS 148 Instrumental Ensemble—Concert Band 0-3-1
Maintains complete symphonic band instrumentation for study and performance of all types of band literature. Open to all students and members of the community. Repeatable for a maximum of 4 credit hours. Offered to district residents as noncredit CMS 448. F S

MUS 161 Introduction to Music Recording 2-2-3
Multi-track recording techniques; practical skills developed using microphones, audio editing software, signal processing, and mixing consoles. Students receive hands-on training and engineer recording sessions. F S Su

MUS 162 Advanced Music Recording 2-2-3
Advanced audio production techniques in the studio environment, larger and more complex recording sessions, microphone placements, signal processors, and the use of MIDI and virtual instruments. Emphasis on mixing and mastering. F S Su

MUS 163 Music Synthesis 2-2-3
Class instruction in Finale and other notation software systems; comparison of digital sequencing software products, including Band in a Box and Garage Band; and discussion of analog and digital synthesis processes and other MIDI applications. S

MUS 164 Class Guitar 2-0-2
Group guitar instruction, including beginners to advanced levels. Learn to read music, to play and analyze chords and scales, and to perform in various styles, including pop, folk, bluegrass, blues, country-western, and classical. Repeatable for a maximum of 8 credit hours. F S

MUS 165 Class Piano I 2-0-2
Group approach to teaching the fundamentals of piano playing. For students with little or no previous piano study. Sight-reading, harmonization, transposition, improvisation, technical studies, and solo ensemble literature. F S Su

MUS 166 Class Piano II 2-0-2
Continuation of MUS 165. Emphasis on developing technique, functional use of chords, and study of piano literature in a wider range of different styles and periods. Prerequisite: MUS 165 or equivalent. S

MUS 169 Jazz Ensemble—Small Jazz Ensemble 0-3-1
Provides small group jazz emphasizing development of improvisation skills in jazz, fusion, and Latin styles. Repeatable for a maximum of 4 credit hours. F S

MUS 180 Applied Music 0-4-2
Private, weekly instruction in voice or any symphonic instrument for students majoring in music . Attendance and performances at recitals required. Repeatable for a maximum of 4 credit hours. Prior study with qualified teacher recommended. Prerequisite: approval of instructor or department chair. F S

MUS 184 Guitar Ensemble 0-3-1
Performs variety of literature composed and/or arranged for guitar sextets to nonets. Repeatable for a maximum of 4 credit hours. Prerequisite: MUS 164 or permission of instructor. F S

MUS 201 Advanced Theory and Harmony I 3-0-3
Ninth, eleventh, and thirteenth chords; Neapolitan sixth and augmented sixth chords; borrowed chords; altered dominants; chromatic mediants; modulation to foreign keys; simple part forms; composite three-part form analysis and variation form; composition projects. Prerequisites: MUS 102 and concurrent enrollment in MUS 203. F

MUS 202 Advanced Theory and Harmony II 3-0-3
Eighteenth-century counterpoint; fugue analysis; five-and seven-part rondo; sonata rondo form; sonata allegro form analysis; later Romantic and early twentieth-century devices and analysis; contemporary period practices; composition projects. Prerequisites: MUS 201 and concurrent enrollment in MUS 204. S

MUS 203 Advanced Ear-Training, Sight-Singing, and Keyboard Harmony I 2-0-2
Emphasis on harmonic (2-4 part) dictation. In-class and computer exercises include 2-, 3-, and 4-voice diatonic and chromatic examples and advanced rhythmic dictation. Correlated keyboard experience. Prerequisite: MUS 104. F

MUS 204 Advanced Ear-Training, Sight-Singing, and Keyboard Harmony II 2-0-2
Continuation of MUS 203: emphasis on harmonic (2-4 part) dictation. In-class and computer exercises include 2-, 3-, and 4-voice diatonic and chromatic examples and advanced rhythmic dictation. Correlated keyboard experience. Prerequisite: MUS 203. S

MUS 243 Music Literature: Antiquity to 18th Century 3-0-3
Study of music as an art in Western civilization from antiquity to 1750; emphasizes acquaintance with representative musical works and style and understanding musical concepts in their historical background. F

MUS 244 Music Literature: 18th Century to Present 3-0-3
Study of music as an art in Western civilization from 1750 to present; emphasizes acquaintance with representative musical works and style and understanding musical concepts in their historical background. Prerequisite: MUS 243. S

MUS 280 Applied Music 0-4-2
Private, weekly instruction in voice or any symphonic instrument for advanced students majoring in music . Attendance and performances at recitals required. Repeatable for a maximum of 4 credit hours. Prerequisite: MUS 180 and approval of instructor or department chair. F S

Naval Science

Admissions and Records
217/351-2482

NSC 101 Introduction to Naval Science 2-2-2
Naval organization and management practices examined within context of naval service; command and control; organization for logistics; service and support; functions and services of major components of Navy and Marine Corps and shipboard organization; management and leadership functions. Naval science laboratory required. Prerequisite: approval of instructor. F

NSC 102 Seapower and Maritime Affairs 2-2-2
Introduction to concepts of naval weapons systems, capabilities and limitations, and individual and complementary roles in a wide variety of offensive and defensive situations. Naval science laboratory required. Prerequisite: approval of instructor. S

NSC 199 Naval Science Leadership and Management 3-2-3
Introduction to principles and problems of Naval management and leadership with emphasis upon their relation to the future Naval Officer. Prerequisite: approval of instructor. F

NSC 204 Navigation/Naval Operations I 3-2-3
Provides the student with an understanding of the theory and techniques of the three types of marine (nautical) navigation: piloting, electronic, and celestial. Prerequisite: approval of instructor. S

Nurse Assistant

Health Professions
217/351-2224 • www.parkland.edu/hp

NAS 111 Basic Nursing Assistant Training Program 4-7-6
Prepares students to care for patients under the direct supervision of a licensed nurse in a long-term care facility, hospital, assisted living, or home setting. Basic Nurse Aide Training Program approved by Illinois Department of Public Health. Students must have valid social security number to attend clinical and sit for the state exam. Prerequisite: CCS 099 placement, ENG 099 placement, MAT 080 placement or MAT 095 placement, and proof of current American Heart Association Healthcare Provider or American Red Cross Professional Rescuer CPR certification. F S Su

Nursing

Health Professions
217/351-2224 • www.parkland.edu/hp

NUR 110 Paramedic Bridge 5-2-7
Provides a bridge for Paramedic transition to process, communication, medication administration, and pharmacological principles. Nursing physical assessment and skills are covered. Prerequisites: credit or concurrent enrollment in BIO 121 and ENG 101. F S Su

NUR 113 Nursing Health Assessment 2-3-3
Introduction to health assessment with focus on physical assessment, health history, and communication/documentation. Prerequisites: credit or concurrent enrollment in NUR 119, ENG 101 and BIO 121. F S

NUR 114 Fundamentals of Nursing 2-6-4
Introduction to nursing and the nursing process. Focus on technical skill acquisition with rationale and scientific base and use of functional health patterns. Prerequisites: credit or concurrent enrollment in NUR 113, NUR 117, NUR 119, BIO 121, and ENG 101. F S

NUR 117 Introduction to Medication Principles for Nurses 1-0-1
Introduction to basic pharmocologic principles. Emphasis on knowledge needed to safely administer medications and the nursing role and responsibilities. Prerequisites: credit or concurrent enrollment in NUR 119, BIO 121, and ENG 101. F S

NUR 118 Medical-Surgical Nursing I 2-9-5
Nursing care of clients with alterations in functional health patterns as a result of changes, variations, and/or illnesses in selected medical-surgical areas. Prerequisites: completion of all first-semester NUR courses and credit or concurrent enrollment in NUR 151, BIO 122, and PSY 101. F S

NUR 119 Nursing as a Profession 1-0-1
Explores current definitional, legal, ethical, and role issues that affect practice nationally and internationally. Prerequisites: acceptance into the nursing program and credit or concurrent enrollment in BIO 121 and ENG 101. F S Su

NUR 151 Mental Health Nursing 2-6-4
Nursing care of clients experiencing emotional stress and those with mental illness. Emphasis on communication, healthy behaviors, and self-esteem. Prerequisites: completion of all first-semester NUR courses and credit or concurrent enrollment in BIO 122 and PSY 101. F S

NUR 158 Practicum in Nursing 0-4-1
Clinical experience with a preceptor with emphasis on management of care of multiple patients and clinical skills. Repeatable for a maximum of 4 credit hours. F S Su

NUR 210 LPN Bridge 2-3-3
Provides a Bridge for LPN transition to the RN Program, year two. Legal and ethical responsibilities, nursing process, critical thinking, teaching, learning, physical assessment, fluid, electrolytes, acid base, Nurse Practice Act and role transition are covered. Prerequisites: ENG 101, BIO 121, BIO 122, PSY 101, PSY 209, and LPN license in Illinois.

NUR 215 Leadership in Nursing 1-0-1
Exploration of current trends in the practice of nursing and the health care environment. Emphasis is on leadership/management skills required in professional nursing practice and transitioning from the nursing student to the professional nurse. Prerequisites: All 1st, 2nd, and 3rd semester NUR courses and credit or concurrent enrollment in NUR 257, NUR 258, ENG 102, and SOC 101. F S

NUR 218 Paramedic Bridge II 5-7-7
Provides part two of the bridge for the paramedic transition process that supplements the third and fourth semester medical-surgical subject matter and allows for practice of clinical skills for the acute hospitalized patient. Prerequisites: BIO 122, BIO 123, and PSY 209 and credit or concurrent enrollment in NUR 215, NUR 257, ENG 102, SOC 101, and HUM/FA elective.

NUR 236 Maternal-Newborn Nursing 2-3-3
Family-centered nursing care of newborns, childbearing families, and women throughout the lifespan. Prerequisites: completion of all 1st year nursing program courses and credit or concurrent enrollment in NUR 238, BIO 123, and PSY 209. F S

NUR 238 Pediatric Nursing 2-3-3
Family-centered nursing care for infants, children, and adolescents in a variety of settings. Emphasis is on promoting, maintaining, and restoring health, reinforcing uniqueness of each child and family, and establishing therapeutic nurse/child/family relationships. Prerequisites: completion of all 1st year NUR program courses and credit or concurrent enrollment in NUR 236, BIO 123, and PSY 209. F S

NUR 255 Medical-Surgical Nursing II 2-6-4
Nursing care of clients with alterations in functional health patterns as a result of changes, variations, and/or illnesses in selected medical-surgical areas. Prerequisites: completion of all 2nd semester NUR program courses and credit or concurrent enrollment in NUR 236, NUR 238, BIO 123, and PSY 209. F S

NUR 257 Community Health Nursing 2-3-3
Explores the management of individuals and groups in community settings. Select emphasis on gerontologic population. Prerequisites: completion of all third-semester NUR courses and credit or concurrent enrollment in NUR 215, NUR 258, SOC 101, and ENG 102. F S

NUR 258 Medical-Surgical Nursing III 3-7-5
Nursing care of complex patient with alterations in circulation, peripheral and vascular; respiration, acute and chronic; multi-organ failure and shock due to multiple causes, and burn patients; as a result of an acute, chronic or traumatic illness. Emphasis is placed upon critical thinking, time management, delegation, and prioritization of multiple patients. Prerequisites: completion of all 3rd semester NUR program courses and credit or concurrent enrollment in NUR 215, NUR 257, ENG 102, SOC 101. F S

NUR 610 Nursing Practice Update 4-0-4
Designed for nurses who are seeking restoration of their Illinois nursing licensure after it has expired, have been placed on inactive status for more than five years, or currently have an active license but wish to update their professional practice. Repeatable for a maximum of 16 credit hours. Prerequisite: approval of department chair.

Occupational Therapy Assistant

Health Professions
217/351-2224 • www.parkland.edu/hp

OTA 111 Introduction to Occupational Therapy 3-0-3
Introduction to the history, philosophy, and practice framework of occupational therapy. Includes OT personnel role delineation, practice settings, team collaboration, documentation, reimbursement, and ethical and professional development. Prerequisites: admission into occupational therapy assistant program and concurrent enrollment in OTA 112. F

OTA 112 Therapeutic Media (Fieldwork I) 2-4-3-
Foundations in selecting, analyzing, adapting, and using goal-directed therapeutic activities and techniques to promote engagement in activities of daily living, work, play, and leisure. Fieldwork I experiences emphasize community services and observation/data collection skills. Service learning activities promote community health. Prerequisites: admission into occupational therapy assistant program, KIN 186 or approval of program director or department chair, and concurrent enrollment in OTA 111. F

OTA 113 Health and Occupation I 3-0-3
Defines selected health problems (client factors) across the life span and their impact on occupational choices, performance skills, and role functions. Focuses on individuals who have mild or acute occupational performance deficits. Prerequisites: OTA 111, OTA 112, BIO 121, PSY 101, SOC 101 and concurrent enrollment in OTA 114, OTA 115, BIO 122, ENG 101 and PSY 209. S

OTA 114 Therapeutic Process I 2-3-3
Occupational therapy intervention processes and clinical reasoning skills used to remediate, prevent, and/or compensate for mild or acute occupational performance dysfunction resulting from specific physical and psychosocial problems across the lifespan. Case-based learning emphasized. Prerequisites: OTA 111, OTA 112, SOC 101, and concurrent enrollment in OTA 113, OTA 115, and PSY 209. S

OTA 115 Fieldwork I/Clinic II 2-8-4
Fieldwork Level I assignments conducted in a variety of community and clinical settings to develop clinical observation, data collection, treatment planning, documentation and basic intervention skills while assisting personnel in client services. Prerequisites: OTA 112 and concurrent enrollment in OTA 113 and OTA 114. S

OTA 211 Health and Occupation II 3-0-3
Health problems (client factors) across the life span and the impact on occupational choices, skills, and roles. Focuses on individuals with moderate or chronic occupational performance deficits. Prerequisites: OTA 113, BIO 122, PSY 209, and concurrent enrollment in OTA 212 and ENG 102. F

OTA 212 Therapeutic Process II 2-3-3
Occupational therapy evaluation, planning, intervention, and clinical reasoning skills used to remediate and/or compensate for moderate occupational performance dysfunction resulting from specific physical and/or psychosocial problems across the life span. Case-based learning emphasized. Prerequisites: OTA 114, ENG 101, and concurrent enrollment in OTA 211, OTA 213, and OTA 214. F

OTA 213 Fieldwork II/Clinic I 1-26-5
Fieldwork Level II experiences in clinical settings working under the supervision of licensed OT personnel. Focuses on achieving entry-level performance competencies in planning and implementing individual and group OT interventions. Prerequisites: OTA 115, BIO 122, concurrent enrollment in OTA 214, and current CPR/health record. F

OTA 214 Occupational Therapy Theory 2-3-3
Presents frames of reference, therapeutic models, and approaches used in occupational therapy evaluation, clinical reasoning, and intervention processes. Includes the Model of Human Occupation, sensorimotor, cognitive, and psychosocial frames of reference. Prerequisites: OTA 111, OTA 114, and concurrent enrollment in OTA 213. F

OTA 215 Health and Occupation III 3-0-3
Define selected health problems (client factors) across the life span and their impact on occupational performance skills, routines, and contexts. Focuses on individuals who have severe and/or progressive deficits in occupational performance. Prerequisites: OTA 211, OTA 212, OTA 213, OTA 214, ENG 102, and concurrent enrollment in OTA 216, OTA 217, OTA 218, and approved Social/Behavioral elective. S

OTA 216 Therapeutic Process III 2-3-3
Occupational therapy planning, intervention, and clinical reasoning in the support and management of services for persons with serious health problems resulting in severe and/or progressive deterioration of occupational performance. Prerequisites: OTA 212, OTA 214, and concurrent enrollment in OTA 215, OTA 217, and OTA 218. Su

OTA 217 Fieldwork II/Clinic II 2-25-6
Fieldwork Level II experience in clinical settings working under the supervision of licensed OT personnel. Focuses on achieving entry-level performance competencies in planning and implementing individual and group interventions. Prerequisites: OTA 213, OTA 214, concurrent enrollment in OTA 215, OTA 216, and OTA 218, and current CPR/health record. S

OTA 218 Therapeutic Groups 2-3-3
Focuses on OTA role in directing therapeutic groups in occupational therapy. Includes skills in group development, leadership, communication, conflict negotiation, and group treatment protocol plans. Applies group dynamics to professional team building and supervisory roles. Prerequisites: OTA 214 and concurrent enrollment in OTA 215. S

Painting and Decorating

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

PDA 111 Painting and Decorating Apprentice I 3-2-4
Fundamentals of painting and decorating trade to supplement on-the-job training for first-year apprentices. Prerequisite: acceptance into the Painters and Drywall Finishers Apprentice Program. F S

PDA 112 Painting and Decorating Apprentice II 3-2-4
Fundamentals of painting and decorating trade to supplement on-the-job training for first-year apprentices. Prerequisite: PDA 111. F S

PDA 113 Painting and Decorating Apprentice III 3-2-4
Detailed information about materials and their uses for the more experienced apprentice about color, tinting, graining, dyes, and sealers. Prerequisite: PDA 112. F S

PDA 114 Painting and Decorating Apprentice IV 3-2-4
Materials and uses for more experienced apprentice including wall preparation, scaffolding, and safety. Prerequisite: PDA 113. F S

PDA 211 Painting and Decorating Apprentice V 3-2-4
Procedures seldom used in trade for the more experienced apprentice including blueprint reading and estimating. Prerequisite: PDA 114. F S

PDA 212 Painting and Decorating Apprentice VI 3-2-4
Procedures seldom used in the trade for the more experienced apprentice including blueprint reading and estimating. Prerequisite: PDA 211. F S

PDA 213 Painting and Decorating Apprentice VII 3-2-4
Supplement fourth-year apprentices on-site work experience including blueprint reading, types of wall paper and their application, power equipment used for painting, specialized painting techniques, and safety training. Prerequisite: PDA 212. F S

PDA 214 Painting and Decorating Apprentice VIII 3-2-4
Supplement fourth-year apprentice on-site work experience; power cleaning, hazardous waste collection/disposal, dry wall taping and finishing, sign painting, estimation, and safety. Prerequisite: PDA 213. F S

Philosophy

Humanities
217/351-2217 • www.parkland.edu/hum

PHI 100 Introduction to Logic and Critical Thinking 3-0-3
(IAI H4 906) Development of good thinking skills and habits ranging from cognitive processes within deduction, induction, everyday reasoning, problem solving, decision making, and productive thinking to the broader ideals of critical and reflective thinking. F S Su

PHI 103 Introduction to Philosophy 3-0-3
(IAI H4 900) Basic questions of human experience (human nature, freedom, values, knowledge, justice, reality, God) as reflected in the ideas of most significant thinkers and schools of thought in both Western and Eastern philosophical traditions. F S Su

PHI 105 Introduction to Ethics 3-0-3
(IAI H4 904) Study of significant moral problems in human experience (justice, human rights, freedom and determination, social vs. personal interests, duty, authority, and punishment) and the development of principles, distinctions, and methodologies for thinking critically about moral conflicts all human beings must face in their lives. (Also in Canterbury Program). F S Su

PHI 106 Business and Organizational Ethics 3-0-3
Introduction to social and ethical issues of business, institutions, and organizations including government regulations, consumerism, advertising, client relationships, employee and organizational responsibility, preferential hiring, conflicts of interest, and economic justice. Credit not given for both PHI 106 and BUS 106.

PHI 108 Health Care Ethics 3-0-3
Systematic examination of the moral concepts and philosophical traditions of thought central to problems of modern medicine such as privacy and truthfulness, abortion, genetic engineering, euthanasia, human experimentation, death and dying, and humanizing health care and delivery.

PHI 110 Computer Ethics 2-0-2
Explores ethical issues and problems encountered in computer application fields. Emphasis given to analyzing and understanding value conflicts that occur in computer application fields with alternative methods suggested for their resolution. F S

Physics

Natural Sciences
217/351-2285 • www.parkland.edu/ns

PHY 112 Applied Physics: Heat and Electricity 2-2-3
For students in two-year technology curricula. Heat, temperature, change of state, gas laws, sources of emf, resistance, motors, transformers, generators, light, geometric optics, and radioactivity. Prerequisite: MAT 071, MAT 072, MAT 081, MAT 095, MAT 131, placement into MAT 098, or equivalent with a grade of C or higher. F S

PHY 120 How Things Work 3-0-3
(IAI P1 901) Conceptual course for non-science majors exploring everyday phenomena: musical instruments, photography, flight, electricity, bicycles, engines, etc. to examine how they work. Students needing a physical science lab course may take PHY 120 and PHY 129 to fulfill this requirement.

PHY 121 General Physics I 4-3-5
(IAI P1 900L) Concepts and methods of physics for students in arts and sciences. Kinematics, dynamics, momentum, energy, heat, fluids, wave motion, and sound. Prerequisite: MAT 125 or equivalent. F S Su

PHY 122 General Physics II 4-3-5
Concepts and methods of physics for students in arts and sciences. Electricity, magnetism, optics, relativity, and atomic structure. Prerequisite: PHY 121 or equivalent. F S Su

PHY 129 How Things Work Laboratory 0-2-1
(IAI P1 901L) Laboratory course to accompany PHY 120 for the purpose of satisfying general education requirements. Explores everyday phenomena: musical instruments, photography, flight, electricity, bicycles, engines, etc. to examine how they work. Prerequisite: credit or concurrent enrollment in PHY 120.

PHY 141 Mechanics 3-3-4
(IAI P2 900L, PH 911) Basic principles of mechanics for physics, chemistry, engineering, and mathematics majors. Kinematics, dynamics, conservation laws of momentum, angular momentum, energy, rigid bodies, oscillations, gravitation, fluids. Prerequisite: MAT 128 or equivalent. F S

PHY 142 Electricity and Magnetism 3-3-4
(IAI PH 912) Heat, thermodynamics, electrical fields, potential, resistance, capacitance, and inductance: RC, RL, RLC circuits and Maxwell's equations. Prerequisites: PHY 141 and MAT 129 or equivalents. F S Su

PHY 143 Modern Physics 3-3-4
(IAI PH 914) Mechanical waves, electromagnetic radiation, geometric and physical optics, kinematics and dynamics of special relativity, introduction to quantum mechanics, Bohr atom, elementary nuclear structure, and band theory. Prerequisite: PHY 142 or equivalent. F S Su

Plumbing and Pipefitting

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

PFT 111 Orientation to Plumbing and Pipefitting 3-0-3
Orientation to the pipe trades. Materials and connections, care and use of tools. Mathematical problem solving and trade mathematics. Prerequisite: admission to the Plumbers and Pipefitters Apprenticeship Program or consent of department chair. F

PFT 112 Occupational Safety and Health .5-1.5-1
Occupational Safety and Health Act 29 CFR 1926, common causes of accidents and fatalities in industry. Students practice applications of standards. Prerequisite: Admission to the Plumbers and Pipefitters Apprenticeship Program. F

PFT 113 Pipes, Valves, and Fittings 1-6-3
Pipes, connections, copper tubing, and plastics. Safety precautions and code requirements. Pipefitting, valves and hangers, basic piping measurements and calculations. Pipe-threading, soldering and brazing techniques. Hazardous chemical safety. Prerequisite: apprentice status or consent of the department chair. F

PFT 114 Science, Rigging, and Hoisting 1-6-3
Science and mechanics. Rigging procedures; wire and fiber rope for knots, hitches, and slings. Use of hoisting equipment and cranes. Loading and unloading of hoisting equipment. Prerequisite: admission to Plumbers and Pipefitters Apprenticeship Program or consent of department chair. F

PFT 116 Drawing Interpretation 2-3-3
Drafting skills and applied pipe drafting and isometric drawings. Building plans and specifications. Mechanical plans for pipe layout systems. Prerequisite: admission to apprenticeship program. F

PFT 117 Basic Pipefitting and Welding 1-6-3
Pipefitting and welding equipment and safety. Fabrication and installation of commercial/industrial piping systems. Pipe layout and welding techniques/applications. Oxyacetylene and portable plasma cutting torch. Prerequisite: apprentice status or consent of department chair. F

PFT 118 Drainage 1-6-3
Installation procedures for sewers and utilities. Drains, plumbing traps, and drainage vents. Special drainage and safety requirements. Vent systems and vent sizing. Installation and sizing of gas systems. Prerequisite: apprentice status or consent of department chair. F

PFT 211 Gas and Water Plumbing 1-6-3
Natural and liquid propane (LP) gas systems. Sizing of gas/medical gas systems, rain water systems, water pipes. Venting gas appliances. Water distribution and treatment, water mains and services, hot water supply. Prerequisite: apprentice status or consent of department chair. F

PFT 212 Advanced Drawing, Prints, and Specifications 1-6-3
Reading and interpretation of blueprints, building specifications, schematics, and technical and isometric drawings. Interpretation of building plans. Pipe sizing and installation of materials. Prerequisite: apprentice status or consent of department chair. F

PFT 213 Fundamentals of Refrigeration and Air Conditioning Systems 1-6-3
Maintenance, replacement, and repair of complete refrigeration and air conditioning systems. Automatic control systems, control action, electrical and control diagrams, and application of motor controllers. Prerequisite: apprentice status or consent of department chair. F

PFT 214 Steam Systems and Basic Refrigeration 1-6-3
Theory and installation procedures for pumps and steam systems. Principles of refrigeration and air conditioning. Prerequisite: apprentice status or consent of department chair. F

PFT 215 Pneumatic Controls and Hydronics 2-3-3
Operation, application, installation, and servicing of pneumatic controls. Hydronic systems theory, installation, and equipment. Thermostats and master/submaster controls. Prerequisite: apprentice status or consent of department chair. F

PFT 216 Welding 1-6-3
Basic oxyacetylene and arc welding with emphasis on shop training. History and purpose. Safe welding practices. Weld types and related use in pipe trades. Prerequisite: apprentice status or consent of department chair. F

PFT 217 Basic Electricity and Refrigeration Controls 1-6-3
Fundamentals of refrigeration and electricity. Refrigerants, basic evaporators/compressors, piping, and expansion devices. Testing and servicing of refrigeration equipment. Prerequisite: apprentice status or consent of department chair. F

PFT 218 Pneumatic Controls 1-6-3
Study of pneumatic controls, including operation, application, installation, and servicing. Prerequisite: apprentice status or consent of department chair. F

PFT 219 Plumbing Fixtures and Appliances 2-3-3
Handling and installation of plumbing fixtures and appliances. Special purpose installations including swimming pools, fountains, sprinkler and vacuum systems, and solar water heaters. Prerequisite: apprentice status or consent of department chair. F

PFT 231 Uniform Plumbing Code 2-3-3
Advanced Uniform Plumbing Code (UPC) requirements and revisions. Prerequisite: apprentice status or consent of department chair. F

PFT 232 Plumbers Service Work, Application, and Supervision 2-3-3
Salesmanship, planning of service work, supervisory techniques, unionism, production, obligations, attitudes, and procedures of journeymen. Prerequisite: apprentice status or consent of department chair. F

PFT 233 Application and Customer Relations 3-0-3
Service techniques for improving customer relations, application of skills, supervisory techniques. Prerequisite: apprentice status or consent of department chair. F

Political Science

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

POS 110 Federal and State Constitutions and Civil Rights 3-0-3
Review of federal and state constitutions: emphasis on development of freedom of expression, civil rights, and Supreme Court operation. F S

POS 120 Introduction to Political Science 3-0-3
(IAI S5 903) Introduction to politics and its meaning for the individual through consideration of power, the state, ideology, legitimacy, political linkages, institutions, constitutions, and change. F

POS 122 American National Government 3-0-3
(IAI S5 900) Survey of American national government: political socialization, U.S. constitution, public opinion, political parties, interest groups, the courts, Congress, and the presidency. F S Su

POS 124 State and Local Government 3-0-3
(IAI S5 902) Subnational politics focusing upon local governments, Illinois constitution, voting and political party organizations, legislatures, courts, budgeting and finance, and executive branches. F S

POS 165 Introduction to European Politics 3-0-3
Discussion from cold war to new order with emphasis on political changes in Eastern Europe and their effects, restructuring of Europe, and transition from confrontation to cooperation in superpower relations. (Salzburg Program only)

POS 167 Introduction to British Government and Politics 3-0-3
Main themes in British political life, including developing relations with Commonwealth, Europe, and United States. (Canterbury Program only)

POS 202 International Relations 3-0-3
(IAI S5 904N) Introduction to politics of international state system from its historical roots to contemporary events: arms control, transnationalism, United Nations, international finance, and southern hemispheric development. S

Portuguese

Humanities
217/351-2217 • www.parkland.edu/hum

POR 101 Beginning Portuguese I 4-0-4
For students with no previous and/or little instruction in Portuguese. Development of basic communicative skills. Emphasis on speaking, listening, reading, writing, and on the culture of countries where Portuguese is spoken. Prerequisite: ENG 101 placement.

Psychology

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

PSY 101 Introduction to Psychology 4-0-4
(IAI S6 900) Introduction to scientific study of human and animal behavior. Survey of research and theories, emphasizing social behavior, intelligence, creativity, behavior disorders, therapy, language and personality development, learning, motivation, emotion, sensation, and perception. Prerequisite: ENG 101 placement. F S Su

PSY 107 Human Sexuality 3-0-3
Examination of the biological, psychological, and social aspects of human sexuality; development of sexual identity and effects of genetic, cultural, and environmental influences on human relationships and behavior. Prerequisite: ENG 101 placement. F S

PSY 201 Psychology of Personality 3-0-3
Scientific approach to the study of personality. Theories and research findings that focus on the variables related to normal personality development and change. Prerequisite: PSY 101. F

PSY 203 Abnormal Psychology 3-0-3
(IAI PSY 905) Integration of theory and research as they relate to research methods; definition, assessment, and categorization of abnormal behavior; biological, psychosocial, and sociocultural origins of abnormal behavior; and treatment and prevention. Prerequisite: PSY 101. F S Su

PSY 205 Introduction to Social Psychology 3-0-3
(IAI 58900) Systematic introduction to theory and research on the ways social factors influence individual and group behavior. Examines attitudes, social perception, social cognition, the establishment of norms, leadership, group dynamics, interpersonal relations, and research methods emphasizing their effects on the individual. Prerequisite: PSY 101. F S

PSY 207 Introduction to Child Psychology 3-0-3
(IAI S6 903) Introduction to theory and research on the biological, physical, social, and cognitive development of the human child from conception to adolescence; genetic factors, prenatal development, sensory and perceptual changes, motor development, language acquisition, social learning, cultural influences, and abnormal development. Prerequisite: PSY 101. F S Su

PSY 208 Adolescent Psychology 3-0-3
(IAI 56904) Introduction to adolescence with emphasis on physical, social, and cognitive development. Examines changing relationships with family, friends, and peers, with an emphasis on identity formation. Prerequisite: PSY 101. F S Su

PSY 209 Human Growth and Development 3-0-3
(IAI S6 902) Interaction of biological and environmental factors affecting psychological development from conception to death. Study and application of the principles of development throughout the life cycle. Study and application of physical, social, moral, cognitive, and language theory included. Prerequisite: PSY 101. F S Su

PSY 220 Educational Psychology 3-0-3
Analysis of effective instructional sequences and classroom behavior management: application of learning theory principles and evaluation techniques to the classroom setting. Recommended for students interested in teaching. Prerequisite: PSY 101. F S Su

PSY 222 Industrial and Organizational Psychology 3-0-3
Introduction to application of psychological theory and research to organizations. Topics include theories of organizational structure, development and change, leadership and decision making, personnel issues and decisions, human interaction in organizations, and job satisfaction and motivation. Prerequisite: PSY 101. F S

PSY 223 Introduction to Adult Development and Aging 3-0-3
(IAI S6 905) Examination of psychological and biological aspects of adult development and the aging process including relevant research in personality, learning, motivation, intelligence, achievement, creativity, and mental health across adulthood. Occupational patterns, social issues, and relationships within and between generations. Prerequisite: PSY 101. F S

PSY 224 Psychology of Women 3-0-3
Examination of female life cycle that explores ways in which biological growth and intellectual and social behavior of women change over time. Theoretical, research, and discussion topics focus on gender-role development, socialization processes, and self concept formation. Prerequisite: PSY 101. S

PSY 225 Death and Dying 3-0-3
Extensive review of thanatology in various cultures: review of current literature and practices in dealing with the dying person; grief and bereavement as it pertains to psychological, medical, religious, and general community. Prerequisite: PSY 101. F S

PSY 289 Topics in Psychology 3-0-3
Study of selected topics in psychology. Topics vary according to section and semester and are listed in the class schedule. Prerequisite: three credit hours in the discipline. A total of six credit hours may be taken in topics courses numbered 289, but PSY 289 is not repeatable for credit. F

Radiologic Technology

Health Professions
217/351-2224 • www.parkland.edu/hp

XRA 111 Radiologic Technology I 2-3-3
Radiographic anatomy and positioning of upper and lower extremities, spine, thorax, contrast studies, and medical terminology. Prerequisites: credit or concurrent enrollment in XRA 114, XRA 131, BIO 121, and HCS 216. F

XRA 112 Radiologic Technology II 2-3-3
Xray imaging characteristics, factors affecting radiographic exposure, and digital imaging. Radiographic positioning of skull and facial bones. Prerequisites: XRA 111, XRA 131, BIO 121, HCS 216, and credit or concurrent enrollment in XRA 132, BIO 122, and PHY 112. S

XRA 114 Basic Clinical Skills 2-3-3
Students apply basic skills in a variety of settings: health care trends, vital signs, body mechanics, cardiopulmonary resuscitation, isolation techniques, and communication skills. Prerequisites: credit or concurrent enrollment in XRA 111, XRA 131, BIO 121, and HCS 216. F

XRA 131 Clinical I 0-18-3-
Students assist and perform routine examinations of chest, abdomen, spine, and extremities; 270 clinical hours. Prerequisites: credit or concurrent enrollment in XRA 111, XRA 114, BIO 121, and HCS 216. F

XRA 132 Clinical II 0-24-4-
Students assist and perform fluoroscopy, exams, routine exams, and portable xray examinations with relative independence; 360 clinical hours. Prerequisites: XRA 111, XRA 114, XRA 131, BIO 121, HCS 216, and credit or concurrent enrollment in XRA 112, BIO 122, and PHY 112. S

XRA 150 Introduction to Radiography 1-0-1
Introduction to the radiologic technology program, profession, clinical affiliates, history of radiation, basic xray protection, and terminology. Hybrid course. F S

XRA 213 Radiographer's Physics 3-0-3
Basic xray equipment construction and function, properties of electromagnetic radiation, and basic xray physics. Hybrid course. Prerequisites: XRA 112, XRA 231, BIO 122, and PHY 112 and concurrent enrollment in XCT 210, XRA 214, and XRA 232. F

XRA 214 Advanced Radiologic Technology I 2-2-3
Advanced factors affecting radiographic exposure. Radiobiology, interactions in matter, health physics, and radiation protection. Hybrid course. Prerequisites: XRA 112, XRA 231, BIO 122, and PHY 112 and concurrent enrollment in XCT 210, XRA 213, and XRA 232. F

XRA 216 Advanced Radiologic Technology II 3-0-3
Pathology and review seminars. Hybrid course. Hybrid course. Prerequisites: XRA 213, XRA 214, XRA 232, and XCT 210 and concurrent enrollment in XRA 217, XRA 233, and XCT 212. S

XRA 217 Advanced Clinical Skills 0-3-1
Critical positioning skills in atypical radiographic procedures. Prerequisites: XRA 213, XRA 214, XRA 232, XCT 210 and concurrent enrollment in XRA 216, XRA 233, XCT 212. S

XRA 231 Clinical III 0-16-2-
Students assist and perform skull and emergency x-ray exams and perform all objectives stated in previous clinical courses with relative independence; 240 clinical hours. Prerequisites: XRA 112, XRA 132, BIO 122, and PHY 112. Su

XRA 232 Clinical IV 0-24-4
Students perform most xray examinations with a minimum of assistance. Participation in rotations to various specialty areas; 360 clinical hours. Prerequisites: XRA 112 and XRA 231 and concurrent enrollment in XCT 210, XRA 213, and XRA 214. F

XRA 233 Clinical V 0-24-4
Students perform most routine and non-routine xray examinations with little or no supervision as a technologist would function; 360 clinical hours. Prerequisites: XRA 213, XRA 214, XCT 210, and XRA 232 and concurrent enrollment in XRA 216, XRA 217, and XCT 212. S

Radiologic Technology: Computer Tomography

Health Professions
217/351-2224 • www.parkland.edu/hp

XCT 210 Computed Tomography Imaging 3-0-3
History, physics, and system operational components of computed tomography imaging. Image acquistion, display, reconstruction, and quality control. Online course. Prerequisite: ARRT primary certification or concurrent enrollment in XRA 213, XRA 214, and XRA 232. Su

XCT 212 Sectional Pathology 3-0-3
Sectional imaging procedures and pathology commonly found in CT and MRI. Online course. Prerequisite: ARRT primary certification or XCT 210. F S

XCT 214 Patient Care 3-0-3
Patient care for CT and MRI imaging, pharmacological classification, documentation, and administration of contrast agents and related drug administration. Online course. Online course. Prerequisite: ARRT primary certification, XCT 210 or XMR 211, and XCT 212. F

XCT 215 CT Clinical 0-20-3
Students will perform CT imaging procedures based on previous coursework and clinical objectives. Prerequisite: ARRT primary certification. S

Radiologic Technology: Magnetic Resonance Imaging

Health Professions
217/351-2224 • www.parkland.edu/hp

XMR 211 Magnetic Resonance Imaging 3-0-3
MRI imaging history, physics, and system operational components. Image acquisition, display, reconstruction, and quality control. Online course. Prerequisite: ARRT primary certification. Su

XMR 217 MRI Clinical 0-40-6
Students will perform MRI imaging procedures based on previous coursework and clinical objectives. Prerequisite: ARRT primary certification. S

Religion

Humanities
217/351-2217 • www.parkland.edu/hum

REL 101 Introduction to Religion 3-0-3
(IAI H5 900) Interdisciplinary study of the nature of religion; the variety of religious beliefs, practices, and experiences; and religious issues common to all religions. F S

REL 102 The World's Great Religions 3-0-3
(IAI H5 904N) Teachings and histories of the world's major religions: Hinduism, Jainism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. (Also in Canterbury Program) F

REL 104 The Bible: The Hebrew Scriptures (The Old Testament) 3-0-3
(IAI H5 901) Introduction to origin, development, historical influence, and interpretation of the Bible throughout the Hebrew Scriptures as a centerpiece of Western cultural and religious tradition and as an archeological and spiritual resource of Judaism and Christianity. F

REL 105 The Bible: The New Testament 3-0-3
(IAI H5 901) Introduction to origin, development, historical influence, and interpretation of the New Testament as a centerpiece of Western cultural and religious tradition and as an archeological and spiritual resource of Christianity in its various forms (Roman, Greek Orthodox, Protestant, Coptic). S

REL 120 Religions of the West 3-0-3
(IAI H5 904N) Teachings, histories, and influence of the major religions of Western civilization, including Judaism, Christianity, Islam, Zoroastrianism, and Native American religions. F

REL 121 Religions of the East 3-0-3
(IAI H5 904N) Teachings, histories, and influence of the major religions of Eastern cultures, including Hinduism, Buddhism, Jainism, Taoism, Confucianism, and Shintoism. S

Reserve Officers Training Corp

See Air Force Aerospace Studies, p. 228 ; Military Science, p. 277; Naval Science, p. 280

Respiratory Care

Health Professions
217/351-2224 • www.parkland.edu/hp

RTT 130 Respiratory Therapy I 3-3-4
Fundamentals of routine respiratory care: infection control, body mechanics, oxygen delivery systems, vital signs, cylinder safety, oxygen analyzers, oxygen therapy devices, aerosol devices, airway clearance and techniques, cardiopulmonary resuscitation. Prerequisites: concurrent enrollment in RTT 131 and RTT 132; credit or concurrent enrollment in BIO 121; and MAT 085 placement, MAT 098 placement, or completion of MAT 081 or MAT 095 with grade of C or higher within two years. F

RTT 131 Respiratory Science 3-0-3
Application of respiratory sciences including respiratory research, infection control, metric conversions, atmospheric gasses, gas behaviors, gas laws, fluidics, gas assessment, humidity and changes of state. Prerequisites: concurrent enrollment in RTT 130 and RTT 132; credit or concurrent enrollment in BIO 121; and MAT 085 placement, or completion of MAT 081 with a grade of C or higher within the previous two years. F

RTT 132 Respiratory Therapy II 4-0-4
Cardiopulmonary anatomy and physiology, essentials for respiratory care. Prerequisites: concurrent enrollment in RTT 130 and RTT 131; credit or concurrent enrollment in BIO 121; and MAT 085 placement, MAT 098 placement, or completion of MAT 081 or MAT 095 with grade of C or higher within two years. F

RTT 133 Clinical Practicum I 0-8-1-
Clinical practicum in conjunction with RTT 134, RTT 135, and RTT 151. Prerequisites: completion of all first semester courses and credit or concurrent enrollment in RTT 134, RTT 135, RTT 151, BIO 122, and ENG 101. S

RTT 134 Respiratory Therapy III 3-3-4
History of mechanical ventilation. Airway management: anatomy, artificial airways, suctioning, complications. Hyperinflation therapies: incentive spirometry, intermittent positive pressure ventilation. Prerequisites: completion of all first semester courses and concurrent enrollment in RTT 133, RTT 135, RTT 151, ENG 101, and BIO 122. S

RTT 135 Respiratory Therapy IV 4-0-4
Pharmacology for cardiopulmonary illness; interpretation and clinical application of arterial, venous and capillary blood gases; clinical manifestations, assessment, and treatment of respiratory diseases. Prerequisites: completion of all first semester courses and concurrent enrollment in RTT 133, RTT 134, RTT 151, and completion of or concurrent enrollment in BIO 122.

RTT 136 Clinical Practicum II 0-12-1.5-
Completion of clinical practicum: entire spectrum of routine respiratory therapy. Prerequisites: RTT 133, RTT 134, RTT 135, RTT 151, BIO 122, and ENG 101 and concurrent enrollment in RTT 137. Su

RTT 137 Advanced Ventilation 3-0-3
Respiratory failure, initiation, monitoring, management, and discontinuation of mechanical ventilation. Prerequisites: RTT 133, RTT 134, RTT 135, and RTT 151 and concurrent enrollment in RTT 136. Su

RTT 151 Respiratory Therapy V 3-0-3
The anatomical changes and pathophysiology of cardiopulmonary disease. Physical assessment, diagnostic data, and application of Respiratory Therapy Protocols. Prerequisites: RTT 130, RTT 131, RTT 132, and BIO 121 and concurrent enrollment in RTT 133, RTT 134, RTT 135, and BIO 122. S

RTT 212 Clinical Practicum III 0-20-2.5-
Critical Care Clinical Practicum: Continued clinical practice with emphasis on critical care experiences, specialty area observation, and the development of inter-professional communication and collaborative practice. Prerequisites: RTT 136 and RTT 137 and concurrent enrollment in RTT 213 and RTT 215. F

RTT 213 Respiratory Therapy VI 3-0-3
Respiratory care management of the critically ill patient with emphasis on cardiopulmonary anatomy and physiology, bedside monitoring tools, comprehensive patient assessment, hemodynamics, diagnostic and therapeutic interventions. Prerequisites: RTT 136 and RTT 137 and concurrent enrollment in RTT 212 and RTT 215. F

RTT 214 Clinical Practicum IV 0-16-2-
Clinical practicum: continuation of critical care experiences and physician interactions. Special rotations: home care, pulmonary functions, neonatal. Prerequisites: RTT 212, RTT 213, RTT 215, BIO 123, and ENG 102; concurrent enrollment in RTT 217; and credit or concurrent enrollment in BIO 123, PHI 100, PSY 101 or PSY 209 or PSY 225, and a social science elective. S

RTT 215 Respiratory Therapy VII 3- -3
Neonatal: fetal development, the newborn, patient assessment, emergency care, diagnostic testing, mechanical ventilation, newborn respiratory pathology, electrocardiography, Advanced Cardiac Life Support (ACLS) pharmacology, airway management, and case based application of ACLS protocols. Prerequisites: RTT 136 and RTT 137 and concurrent enrollment in RTT 212, RTT 213, and ENG 102. F

RTT 217 Respiratory Therapy VIII 3-0-3
Pulmonary function testing. Kettering Respiratory Therapy Examination review. NBRC Examination preparation. Prerequisites: RTT 212, RTT 213, RTT 215, and ENG 102; concurrent enrollment in RTT 214; and credit or concurrent enrollment in BIO 123, PHI 100, PSY 101 or PSY 209 or PSY 225, and a social science elective. S

Russian

Humanities
217/351-2217 • www.parkland.edu/hum

RUS 101 Beginning Russian I 4-0-4
For students with no previous instruction in Russian. Emphasis on fundamentals of listening, speaking, reading, and writing. Provides introduction to Russian culture. Prerequisite: ENG 101 placement. F

RUS 102 Beginning Russian II 4-0-4
Continued development of skills in speaking, listening, and writing. Readings in simple prose and presentations of Russian culture. Prerequisite: RUS 101 or equivalent. S

RUS 103 Intermediate Russian I 4-0-4
Refinement of grammatical and conversational skills; further vocabulary development. Study Russian culture through readings and videotapes. Prerequisite: RUS 102 or equivalent. F

RUS 104 Intermediate Russian II 4-0-4
(IAI H1 900) Review of grammar and further refinement of conversational skills; further vocabulary development. Study Russian culture through readings and videotapes. Prerequisite: RUS 103 or equivalent. S

Science

Natural Sciences
217/351-2285 • www.parkland.edu/ns

SCI 108 Essentials of Forensic Science 3-3-4
(IAI LP 900L) Introduction to application of science to criminal and civil law, with overview of forensic chemistry, trace-evidence, forensic biology, and other sub-disciplines. Emphasis on techniques of sampling a crime scene and use of physical evidence to help solve cases. Prerequisite: ENG 101 placement. F S

SCI 208 Forensic Science II: Death Analysis 3-2-4
(IAI LP 901L) Selected topics in forensic science, emphasizing pertinent factors associated with cause, mechanism, and manner of death. Mechanism and manner of death are correlated with cause of death, as well as physical evidence found on or near the decedent. Credit or concurrent enrollment in SCI 108 and CJS 209 recommended. Prerequisite: ENG 101 placement. F S

Sheet Metal

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

SMA 111 Sheet Metal Apprentice I 3-4-5
Basic knowledge of the sheet metal trade, including tools, equipment, and pattern development. Prerequisite: admission to program.

SMA 112 Sheet Metal Apprentice II 3-4-5
Tools and equipment used in sheet metal trade; sheet metal fittings and their fabrication. Prerequisite: SMA 111.

SMA 113 Sheet Metal Apprentice III 3-4-5
Practical experience working with shop work problems, including layout, welding, and soldering of sheet metal fittings. Prerequisite: SMA 112.

SMA 114 Sheet Metal Apprentice IV 3-4-5
Practical experience with shop work problems, including round layouts, 45 and 90 degree tees, tools and equipment. Prerequisite: SMA 113.

SMA 211 Sheet Metal Apprentice V 3-4-5
Practical experience for the more experienced apprentice, including radial line development, heli-arc welding, brazing as a water seal, types of sealing materials. Prerequisite: SMA 114.

SMA 212 Sheet Metal Apprentice VI 3 -4 -5
Shop work problems concerning welding, brazing, radial line pattern development, triangulation pattern development, and fabrication using MIG welding. Prerequisite: SMA 211.

SMA 213 Sheet Metal Apprentice VII 3-4-5
Practical experience and knowledge of new materials and methods used in sheet metal trade, including layout problems using triangulation, MIG welding, cutting and brazing. Prerequisite: SMA 212.

SMA 214 Sheet Metal Apprentice VIII 3-4-5
Shortcut methods of triangulation, problems in radial line development of cones and intersections, fastening with gas tungsten arc welding. Prerequisite: SMA 213.

Sociology

Social Sciences and Human Services
217/351-2229 • www.parkland.edu/sshs

SOC 101 Introduction to Sociology 3-0-3
(IAI S7 900) Principles and concepts of general sociology: general education course in the social sciences; introductory course for the prospective sociology major. Application of scientific methods in study of social phenomena. Prerequisite: ENG 101 placement. F S Su

SOC 102 Social Problems 3-0-3
(IAI S7 901) Sociological analysis of social institutions and problems created by their efforts to meet demands of changing social environment. For students who want to more fully understand contemporary American society. Prerequisite: ENG 101 placement. F S

SOC 200 Sociology of Marriage and Family 3-0-3
(IAI S7 902) Sociological investigation of processes involved in marriage and family: impact of social institutions on marriage and family structure; various marriage structures and their results; and interaction of family members. Prerequisites: ENG 101 placement and SOC 101. F S

SOC 202 Sociology of Deviant Behavior 3-0-3
Nature and dynamics of deviant behavior in contemporary American society, including alcoholism, suicide, drug addiction, prostitution, mental disorders, juvenile delinquency, and adult crime; major sociological theories of social control, conformity, and deviance. Prerequisites: SOC 101 and ENG 101 placement. F S

SOC 203 Diversity and Society 3-0-3
(IAI S7 903D) Examination of racial, religious, ethnic, and other groups. Analysis of the persistence of group identity, intergroup relations, social movements, government policy, and related social problems. Prerequisites: SOC 101 and ENG 101 placement. F S

SOC 204 Criminology 3-0-3
(IAI CRJ 912) Contemporary analysis of crime and delinquency from sociological perspective: causation, distribution, and prevention are examined through American socio-economic-political structure and American criminal justice system. Prerequisites: SOC 101 and ENG 101 placement. S

SOC 205 Methods of Social Research 3-0-3
Introduction to the process and methods of social research. Construction of research questions or hypotheses, study design, qualitative and quantitative research methods, techniques of analysis and interpretation, and the process of evaluation and reporting. Prerequisites: MAT 107 or 108 and ENG 101 placement.

SOC 220 Introduction to Social Work 3-0-3
Survey course in social work. Examines major social problems, identifying groups historically impacted by them. Includes overview of social work values, skills, and knowledge required for generalist practice. Introduces programs, services,and policies that impact social work and social welfare. Prerequisites: SOC 101 and ENG 101 placement. F S

SOC 240 Gender and Society 3-0-3
(IAI S7 904D) Introduction to sociology of gender: socialization into gender, social institutions and gender, social stratification and gender inequality, and gender and social change. Focus on contemporary American society with attention to socio-historical background and cross-cultural comparisons. Prerequisites: SOC 101 and ENG 101 placement. F S

SOC 289 Topics in Sociology 3-0-3
Study of selected topics in sociology. Topics vary according to section and semester and are listed in the class schedule. A total of 6 credit hours may be taken in topics courses numbered 289, but SOC 289 is not repeatable for credit. Prerequisite: SOC 101.

Spanish

Humanities
217/351-2217 • www.parkland.edu/hum

Students who have taken college-level Spanish courses within the past three years and can document this via a college transcript will be placed in the appropriate level of Spanish. Other students who have taken Spanish classes in high school or college and students with informal Spanish language background (e.g., heritage speakers or individuals who have spent time in a Spanish-speaking country) should contact the Assessment Center to arrange to take the Spanish placement exam. Those with no Spanish experience may begin in SPA 100 or SPA 101.

SPA 100 Introduction to Basic Spanish I 2-0-2
For students with no previous instruction in Spanish. Basic Spanish with attention to oral communication, culture, and the language needs of the student, traveler, and worker. F S Su

SPA 101 Beginning Spanish I 4-0-4
For students with no previous and/or little instruction in Spanish. Development of basic communicative skills. Emphasis on speaking, listening, reading, writing, and basic introduction to Hispanic culture. Prerequisite: ENG 101 placement. (Also in Costa Rica program) F S Su

SPA 102 Beginning Spanish II 4-0-4
Continued development of communicative skills. Emphasis on speaking, listening, reading, writing, and Hispanic culture. May require out of class lab visits/work. Prerequisite: SPA 101 or equivalent. (Also in Costa Rica program) F S Su

SPA 103 Intermediate Spanish I 4-0-4
Development of intermediate level of communicative competence. Emphasis on speaking, listening, reading, writing vocabulary, grammar, and Hispanic culture. May require out of class lab visits/work. Prerequisite: SPA 102 or equivalent. (Also in Costa Rica Program) F S Su

SPA 104 Intermediate Spanish II 4-0-4
(IAI H1 900) Continued development and refinement of intermediate-level communicative competence. Emphasis on speaking, listening, reading, writing, and Hispanic culture. May require out of class lab visits/work. Prerequisite: SPA 103 or equivalent. (Also in Costa Rica program) F S Su

SPA 120 Introduction to Basic Spanish II 2-0-2
Continuing basic Spanish with attention to oral communication, culture, and language needs of the student, traveler, and worker. Prerequisite: SPA 100 or equivalent. F S

SPA 130 Beginning Spanish for Professional Purposes I 3-0-3; 4-0-4; 5-0-5
Development of Spanish communication skills for the workplace. Basic communication skills for working with Spanish speaking populations. F S

SPA 131 Beginning Spanish for Professional Purposes II 3-0-3; 4-0-4; 5-0-5
Review and development of Spanish communication skills for the workplace. Basic communication skills for working with Spanish speaking populations. Prerequisite SPA 130 or equivalent. F S

SPA 220 Spanish Conversation and Culture 4-0-4
Spanish conversation; development of advanced communicative competence and increased fluency and accuracy in speaking and writing. Prerequisite: SPA 104 or equivalent (grade of A or B) or approval of program coordinator or department chair. (Also in Costa Rica Program.) F S

SPA 240 Readings in Hispanic Literature and Culture 3-0-3
Readings and discussion in Spanish of a variety of texts by leading Hispanic and Hispanic-American writers covering genres and themes. Emphasizes reading, discussion, and enjoyment rather than literary criticism. Prerequisite: SPA 104 or equivalent with a grade of B or higher, or approval of program coordinator or department chair. F S

Surgical Technology

Health Professions
217/351-2224 • www.parkland.edu/hp

SUR 116 Surgical Terminology I 1-0-1
Medical terminology pronunciation and spelling; defining prefixes, suffixes, and root words for the purpose of defining medical terms. Medical terminology relating to surgical descriptions, surgical schedules, diagnoses, and understanding doctor's orders. Prerequisite: admission into surgical technology program. F

SUR 150 Personal and Professional Relations 1-0-1
Professionalism relating to surgical technology including accountability, work ethics, communication, stress management, job searches and retention, professional obligations, certification, health care for a diverse community, and legal terms and topics. Prerequisite: admission into surgical technology program. S

SUR 158 Pharmacology for the Surgical Technologist 1-0-1
Introduction to basic pharmacology principles. Emphasis on the surgical technologist's role in medication administration, calculation, handling and labeling. Medication classifications and use in the surgical setting and how they may alter or influence surgical intervention. Prerequisites: admission in to Surgical Technology program and credit or concurrent enrollment in SUR 150.

SUR 210 Surgical Specialties I 4-0-4
Orientation to surgical technology; asepsis, sterilization; wound closures; hemostasis; wound healing; anesthesia; pharmacology; surgical procedures in gastrointestinal, genitourinary, gynecology, and general. Prerequisites: BIO 121, BIO 122, BIO 123, ENG 102, and PSY 101; concurrent enrollment in SUR 218, SUR 231, SUR 232, SUR 238 and SUR 239; and credit or concurrent enrollment in SUR 116. F

SUR 218 Surgical Instrumentation I 1-0-1
Introduction to preparation and use of standard instrumentation. Classifications; basic set assemblies. Specialty instrumentation utilized in surgeries of general, gastrointestinal, and genitourinary. Prerequisites: BIO 121, BIO 122, BIO 123, ENG 102, and PSY 101; concurrent enrollment in SUR 218, SUR 231, SUR 232, SUR 238 and SUR 239. F

SUR 231 Clinical Theory I 4-3-5
Introduction to the surgical environment. Introduction and redemonstration of basic clinical skill components needed to participate as a member of the surgical team in actual operating rooms. Offered in Parkland's mock operating room. Prerequisites: concurrent enrollment in SUR 210, SUR 218, and SUR 238. F

SUR 232 Clinical Practicum I 2-6-4
Introduction and redemonstration of advanced clinical skills for participation in the surgical specialties of general, gynecology, gastrointestinal, and genitourinary. Students function in the role of the surgical technologist in actual operating rooms. Prerequisites: SUR 231 and SUR 238 and concurrent enrollment in SUR 210, SUR 218, and SUR 239. F

SUR 238 Mock Operating Room Lab I 0-1.5-0.5
Laboratory course for SUR 131. Students actively participate in demonstration of clinical skills in the mock operating room under direction and supervision of an operating room professional. Prerequisites: concurrent enrollment in SUR 210 and SUR 231. F

SUR 239 Mock Operating Room Lab II 0-1.5-0.5
Laboratory course for SUR 131 and SUR 132. Students actively participate in demonstration of clinical skills in the mock operating room under direction and supervision of an operating room professional. Prerequisites: concurrent enrollment in SUR 210 and SUR 232. F

SUR 254 Surgical Specialties II 3-0-3
Anatomy, pathology, diagnostic procedures, special preoperative preparation, pharmacology, surgical specialty services, obstetrical, orthopedic, plastic, otological, nose and throat, ophthalmic, thoracic, cardiovascular, neurology, and maxillofacial. Prerequisites: SUR 210, SUR 116, SUR 218, SUR 231, SUR 232, SUR 238, and SUR 239; concurrent enrollment in SUR 219, SUR 233, and SUR 274; and credit or concurrent enrollment in SUR 150 and SUR 158. S

SUR 259 Surgical Terminology and Instrumentation II 1-0-1
Medical and surgical terminology and specialty instrumentation used in surgical specialty services of obstetrical, orthopedic, plastic, otological, nose and throat, ophthalmic, thoracic, cardiovascular, neurology, and maxillofacial. Prerequisite: concurrent enrollment in SUR 214. S

SUR 273 Clinical Theory II 2-0-2
Anatomy and physiology; intraoperative preparation of the surgical patient; common procedures presented with instrumentation, equipment, supplies, medications, and intraoperative for each surgical specialty. Basics of electricity, physics, and robotics. Hazard preparation in the operating room. Prerequisite: concurrent enrollment in SUR 254. S

SUR 274 Clinical Practicum II 0-30-10
Participation as a surgical team member in the role of the surgical technologist in the operating room. Includes experiences in labor and delivery and sterile processing department. Prerequisites: concurrent enrollment in SUR 119, SUR 133, and SUR 254. S

SUR 275 Clinical Practicum III 2-10-5
Demonstration and supervised practice of specialized surgical procedures with emphasis on acquiring proficiency for entry level employment as a surgical technologist. Preparation and review for national certification exam. Prerequisites: SUR 210, SUR 116, SUR 218, SUR 259, SUR 231, SUR 232, SUR 273, SUR 274, SUR 238, SUR 239, SUR 150, SUR 158, and SUR 254. FE

Teaching English as a Foreign Language

Humanities
217/351-2217 • www.parkland.edu/hum

TFL 114 Teaching English through American Cultural Media 3-0-3
Analysis and application of a variety of media sources for discussing American culture in the context of learning English as a foreign and/or second language. Prerequisite: credit or concurrent enrollment in TFL 110. S

Theatre

Fine and Applied Arts
217/351-2392 • www.parkland.edu/faa

THE 100 Theatre Appreciation 3-0-3
(IAI F1 907) Enhances appreciation of theatre as an art form through reading and analysis of scripts, theatre viewing, and discussion. Areas of investigation include types of plays; methods of production, design, and use of theatre; and the contributions of collaborative artists. F S Su

THE 101 History of Theatre 3-0-3
(IAI F1 908) Historical development of theatre and drama from its earliest ritual beginnings to contemporary dramatic literature. Includes representative periods and styles, genres, key playwrights, aspects of technical production, social role, and critical interpretation of major works. F S

THE 103 Performance of Literature 3-0-3
(IAI TA 916) Analysis and performance of literature including prose, poetry, and drama with emphasis on using voice and movement to interpret the works and communicate that interpretation to an audience. S

THE 104 Acting I 3-0-3
(IAI TA 914) Fundamentals of acting introduced through acting exercises, improvisations, and scene study. Major acting approaches such as Cohen, Meisner, Stanislavski, and Shurtleff used as basis for helping actors acquire craft in order to create believable characters. F S

THE 105 Stagecraft 2-2-3
(IAI TA 911) Introduces safety procedures and basic techniques of scenery and property construction, tool use, scene painting, and backstage organization. Laboratory experience is mandatory. FO

THE 107 Practicum 0-3-1
Increases proficiency in preparation and presentation of theatrical performances by working with instructors in performance and technical areas. Credit is awarded for completion of a college production assignment as well as completing required theatrical shop hours. Repeatable for a maximum of 4 credit hours. F S

THE 109 Costume and Stage Makeup 2-2-3
Safety procedures and costume shop organization. Basic techniques of costume construction, tool use, and fitting and draping. Techniques of stage makeup and practical experience in their application. Additional experience may be obtained in THE 107. F S

THE 120 Script Analysis for Production 3-0-3
(IAI TA 917) An introductory exploration of the relationship between dramatic text and the play in production with special emphasis on basic terminology and methodology. Representative plays are studied in their genre, historical, and social contexts. FE

THE 124 Film Appreciation 2-2-3
(IAI F2 908) An introduction to film as an art form, emphasizing a study of the aesthetic and production elements of the medium, including narrative genres, directorial style, cinematography, acting, and editing. F S Su

THE 125 Film History 2-2-3
(IAI F2 909) An international survey of the historical development of film, emphasizing a study of films and innovations in film production that have had significant influence on film as an art form. F S Su

THE 202 Acting II 3-1-3
Development of fundamentals introduced in Acting I emphasizing intensive approach to acting exercise, auditioning, and scene study. Repeatable for a maximum of 9 credit hours. F S

Tractor Trailer Driver Training

Business Training
217/351-2235 • www.parkland.edu/businesstraining

TTT 112 Tractor Trailer Driver Training 3-8-7
Complete vehicle training to prepare students for an entry-level position in the trucking industry, including Commercial Driver's License learner's permit and endorsement preparation, Department of Transportation log books, map reading, trip planning, and Secretary of State Class A road test.

Veterinary Technology

Health Professions
217/351-2224 • www.parkland.edu/hp

VTT 110 Small Animal Nursing I 1-6-3
Handling, restraint, and nursing techniques in dogs and cats: emphasis on TPR; bathing; administering tablet, liquid, and injectable medications; and obtaining blood, and urine specimens. Prerequisites: admission into Veterinary Technology program and concurrent enrollment in VTT 113, VTT 114, VTT 116, and VTT 119. F

VTT 111 Small Animal Nursing II 2-4-3
Small animal nutrition, preventative healthcare, euthanasia and continued skill development in nursing techniques including: venipuncture, otic and ophthalmic procedures; dental procedures; bandaging; indwelling catheters and fluid therapy; ectoparasite identification; and ECGs. Prerequisites: VTT 110, VTT 113, VTT 114, VTT 116, VTT 119, BIO 121, and MAT 151. S

VTT 112 Radiography 2-3-3
Positioning for common views taken of animals; emphasis on methods for obtaining high quality diagnostic radiographs and radiation safety. Prerequisites: VTT 110, VTT 113, VTT 114, VTT 116, VTT 119, BIO 121, and MAT 151. S

VTT 113 Management Skills for the Veterinary Technician 2-0-2
Selected principles of management for a veterinary practice: management of facilities, clients, personnel, marketing, ethics, basic computing skills, and professional development. Development of effective communication skills emphasized. Prerequisites: concurrent enrollment in VTT 110, VTT 114, VTT 116, and VTT 119. F

VTT 114 Clinical Lab I 1-3-2
Routine laboratory tests, including complete blood counts (CBCs), fecal examinations, and blood chemistries; emphasis on developing laboratory techniques which produce consistent results. Prerequisite: concurrent enrollment in VTT 110, VTT 113, VTT 116, and VTT 119. F

VTT 115 Clinical Lab II 1-3-2
Proficiency in CBCs, fecal examinations, blood chemistries, urinalysis, abnormal hematology, serology, and cytology. Prerequisites: VTT 110, VTT 113, VTT 114, VTT 116, VTT 119, BIO 121, and MAT 151. S

VTT 116 Large Animal Nursing 1-2-2
Handling, restraint, and nursing techniques in horses, cows, and sheep. Prerequisite: concurrent enrollment in VTT 110, VTT 113, VTT 114, and VTT 119. F

VTT 117 Surgery Technology I 2-2-3
Introduction to anesthesia for dogs and cats: patient monitoring, anesthetic machine use, intubation, anesthetic drugs and pain management. Surgical support skills: surgery pack preparation, instruments, autoclaving, aseptic techniques, surgical preps, surgical procedures, suture materials and post-op care. CPR. Prerequisites: VTT 110, VTT 113, VTT 114, VTT 116, VTT 119, BIO 121, and MAT 151. S

Students beginning the veterinary technology program in the 2015–16 catalog year will take the three credit hour version of VTT 117. Students who started the program prior to this catalog will take the two credit hour version.

VTT 118 Veterinary Clinical Practicum 0-20-3
Full-time work experience in a veterinary clinical site. Practicum site to be arranged by the student in consultation with the program director. Prerequisites: VTT 111, VTT 112, VTT 115, and VTT 117. BIO 122 completion also recommended but may be taken concurrently. Su

VTT 119 Common Veterinary Drugs I 1-0-1
Basic concepts, terminology, references, and procedures necessary to dispense/administer drugs under the supervision of a veterinarian. Uses, actions, and secondary effects of common veterinary pharmaceuticals. Prerequisites: concurrent enrollment in VTT 110, VTT 113, VTT 114, and VTT 116. F

VTT 210 Clinic Care I 0-21-4
Clinical rotations at U of I College of Veterinary Medicine. Aspects of veterinary medicine: necropsy, equine medicine, food animal medicine, large/small animal imaging/radiology, primary care, ICU, Emergency Care and Pharmacy. Prerequisite: VTT 118. F

VTT 211 Clinic Care II 0-21-4
Clinical rotations at U of I College of Veterinary Medicine and Parkland College. Clinical settings and situations will allow for continued introduction and redemonstration of skills necessary for veterinary technicians. Prerequisites: VTT 210, VTT 212, VTT 214, and BIO 123. S

VTT 212 Surgery Technology II 1-3-2
Surgical support and anesthesia for dogs and cats: gas anesthesia, nonrebreathing systems, partial rebreathing systems, nitrous oxide supplementation, surgical assisting, emergency procedures, surgical drugs, fluids, and pain management. Prerequisite: VTT 118. F
Students beginning the veterinary technology program in the 2015–16 catalog year will take the three credit hour version of VTT 212. Students who started the program prior to this catalog will take the two credit hour version.

VTT 213 Animal Management 4-0-4
Selected principles of animal and business management in veterinary technology: nutrition, reproduction, vaccinations, diseases, laboratory tests, history-taking, costs, and client questions. Animals covered are the horse, cow, dog, cat, pig, and sheep. Prerequisites: VTT 210, VTT 212, VTT 214, and BIO 123. S

VTT 214 Laboratory Animals 1-2-2
Introduction to the care and use of laboratory animals with discussion of correct sanitation procedures, laboratory animal handling, anatomical differences, clinical pathology, common diseases and treatment, and laboratory animal facility procedures and equipment. Prerequisite: VTT 118. F

VTT 215 Common Veterinary Drugs II 1-0-1
Uses, mechanisms of action, and secondary effects of drugs commonly administered and dispensed by veterinary technicians. Includes calculating drug dosages and dilutions. Prerequisites: VTT 119, VTT 210, VTT 212, VTT 214, and BIO 123. S

Welding

Engineering Science and Technologies
217/351-2481 • www.parkland.edu/est

WLD 110 Beginning Gas and Arc Welding 1-2-2
Introductory theory and practice in oxyacetylene and shielded metal arc welding. Includes oxyacetylene fusion welding and brazing in the flat position, shielded metal arc welding in flat position, manual oxyfuel cutting, and plasma arc cutting. F

WLD 111 Introduction to Welding 2-4-4
(IAI MTM 936) Selection and use of electric arc, oxyacetylene, inert gas, and wire-feed welders; emphasis on skills and competencies as demanded by industry. F S Su

WLD 112 Gas Metal Arc Welding 1-2-2
Gas metal and arc welding fundamentals, welding safety, gas metal arc equipment adjustments, metal transfer, and shielding gases; skill development in all positions of welding on mild steel ranging from 1/16. Prerequisites: credit or concurrent enrollment in WLD 110 or WLD 111. F

WLD 113 Gas Tungsten Arc Welding 1-2-2
Gas tungsten arc welding fundamentals, arc characteristics, and welding safety; skill development on 16 gauge and 0.125 aluminum; setups, preparation of tungsten tips, and selection of inert gases. Prerequisites: WLD 110 or WLD 111, and concurrent enrollment in WLD 213. S

WLD 114 Fabrication Welding 2-3-3
Further development of welding skills, especially in the "off position." Emphasis on fabrication of metal structures and development of related skills such as blueprint reading, use of welding symbols, and layout techniques. Prerequisite: WLD 111.

WLD 212 Advanced Gas Metal Arc Welding 1-2-2
Advanced gas metal and arc welding. Gas metal arc equipment adjustments, metal transfer, and shielding gases. Skill development in all positions of welding on mild steel ranging from 1/16. Prerequisites: WLD 110 or WLD 111, and concurrent enrollment in WLD 112. F

WLD 213 Advanced Gas Tungsten Arc Weld 1-2-2
Prepare tungsten electrodes to accommodate various metal types and thicknesses, 16 gauge to 1/4 plate; flat, out of position, and multipath procedures. Metals include mild, stainless steel, and aluminum. Prerequisites: WLD 110 or WLD 111, and concurrent enrollment in WLD 113. S

WLD 215 Weldability Inspection/ Composition of Welds 3-2-4
Composition and weldability of metals and effects of heating and cooling metal on metal and weld strength; welding certification standards and guidelines to certify welding performance; nondestructive and destructive tests to check weld quality and strength. Prerequisite: WLD 111.

WLD 216 Welding Certification I 2-4-4
Welding codes and regulations covering: materials, service limitation, fabrication, inspection, test procedures, and qualifications of welding operators. Special emphasis is placed on preparation for American Welding Society Certification. Prerequisite: WLD 111 or equivalent or approval of department chair. Su

Directory

Contents

2014–2015 Faculty/Administrative Staff

Date in parentheses indicates first year of full-time faculty or administrative appointment at Parkland.

ADAWI, Omar (1995)
Professor/Mathematics
Tutoring Coordinator/Center for Academic Success
B.S., Massachusetts Institute of Technology
M.S., University of Illinois

ADCOCK, Terry L. (1998)
Professor Emeritus/Psychology
B.S., Western Illinois University
M.S., Western Illinois University

ANGEL, Julie C. (2011)
Associate Professor/Earth Sciences
A.S., Parkland College
B.S., Illinois State University
M.S., Illinois State University

APLINGTON, Kathleen A. (1997)
Professor/Child Development
A.B., University of Illinois
M.S., University of Illinois

AYALA, THOMAS (2008)
Associate Professor/English
B.A., University of Illinois
M.A., University of Illinois

ADYIN-MULLEN, Yelda (2014)
Instructor/Mathematics
B.S., Middle East Tech University
M.S., Middle East Tech University

BACHTOLD, Beth (2002)
Associate Professor/Reading
A.B., University of Illinois
M.A., National-Louis University

BAHNKE, Rebecca R. (1992)
Professor/Occupational Therapy Assistant
B.S., State University of New York at Buffalo
M.H.S., University of Indianapolis

BAILS, Kelly (2002)
Associate Professor/Mathematics
A.A., Hillsborough Community College
B.S., University of Tampa
M.S.Ed., State University of New York

BAKER, Derrick (2015)
Director/Professional Development and Instructional Technology
B.A., University of Illinois
M.Div., Southern Baptist Theological Seminary

BARBOUR-CONERTY, Kelly (2007)
Associate Professor/Business
B.B.A., East Texas State University
M.B.A., Texas A&M

BARNARD, Thomas C. (1999)
Professor/English
B.A., University of California–Berkeley
M.A., University of Illinois
Ph.D., University of Illinois

BEATTY, Christina (2008)
Associate Professor/ Chemistry
B.S., University of Illinois
M.S., University of Illinois
M.S., University of Florida

BEHRENS, Michael (2014)
Director/Assessment Center
B.S., University of Illinois
M.A., Eastern Illinois University

BEITLER, Vicki L. (1988)
Professor Emeritus/Mathematics
B.S., University of Texas at Arlington
M.A., University of Texas at Arlington M.S., University of Illinois

BERGFIELD, Donald D. (1999)
Professor/Agriculture
A.S., Parkland College
B.S., University of Illinois
M.Ed. , University of Illinois

BERTI, Christopher A. (1995)
Professor/Art and Design
B.F.A., Alfred University
M.F.A., Cranbrook Academy of Art

BISHOP, Clifford (2000)
Technical Services/Electronic Resources Librarian, Professor/Library
B.A., Union College
M.A., Cornell University
M.L.S., Syracuse University

BLACKBURN, Leonard (2004)
Associate Professor/Mathematics
B.A., Knox College
M.S., University of Minnesota

BLACKMAN, Ann (2004)
Associate Professor/Office Professional
B.S., Eastern Illinois University
M.S., Eastern Illinois University

BOCK, David P. (2000)
Professor/Computer Science
B.S., Southern Illinois University
M.A., University of Illinois
M.F.A., University of Illinois

BOSCH, Theresa (2002)
Associate Professor/Nursing
A.A.S., Parkland College
B.S.N. , University of Illinois, Chicago
M.S., University of Illinois, Chicago

BOSSAERS, Philippe (2000)
Associate Professor/Mathematics
B.S., Bradley University
M.S., Southern Illinois University

BOWSER-KIENER, Martha A. (1991)
Professor Emeritus/French and Humanities
B.A., University of Illinois
M.A., University of Illinois

BOYCE, PEGGY (2007)
Associate Professor/Dental Hygiene
A.A.S., Parkland College
B.A., Eastern Illinois University
M.A., University of Illinois

BOYD, Paula (2001)
Associate Professor/English
A.A., Broome Community College
B.A., State University of New York
M.A., State University of New York
M.A.T. , State University of New York

BRIGGS, Amanda (2014)
Certified Flight Instructor/Aviation
B.S., University of Illinois
Airline Transport Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration
Ground Instructor, Federal Aviation Administration

BROWN, Tracey (2008)
Associate Professor/Intensive ESL
B.A., Grand Valley State University
B.A., Grand Valley State University
Certificate, Grand Valley State University
M.A., Central Michigan University

BUCHER, Deb (2009)
Associate Professor/Nursing
B.S., Olivet Nazarene
M.S., Weldon University

BUHNERKEMPE, Emily (2014)
Instructor/Mathematics
M.S., Miami University

BURKHALTER, Toni (2004)
Associate Professor/Biology and Kinesiology
B.A., University of Illinois
M.S., University of Illinois
M.S., University of Illinois

BUSKER, R. Lucy (2002)
Professor/English
B.A., University of Dayton
M.A., University of Nebraska
Ph.D., Arizona State University

BUSTARD, Jim (2000)
Director/Physical Plant
B.S., Illinois College
M.B.A., Eastern Illinois University

CAFARELLI, Brian (2008)
Associate Professor/Communication
B.S., Ferris State University
M.A., Eastern New Mexico University

CARLSON, Catherine Britt (2013)
Instructor/Chemistry
B.S., Earlham College
Ph.D., University of Wisconsin

CAULFIELD, Thomas M. (1998)
Director/Student Life
B.S., University of Illinois
M.S., Eastern Illinois University
Ed.S., Northern Illinois University
Ed.D., Northern Illinois University

CLARK, Wayne (2000)
Associate Professor/Mathematics
B.A., Eastern Illinois University
M.A., Eastern Illinois University

COCKRUM, Dennis (2005)
Counselor, Associate Professor/ Counseling and Advising
A.A., Parkland College
B.S., Southern Illinois University
M.S.W., University of Illinois

COLBROOK, William (2014)
Chief/Director, Public Safety
B.S., Illinois State University

COUCH, Kari H. (1982)
Professor Emeritus/Computer Information Systems
A.A.S., Parkland College
B.A., Eastern Illinois University
M.Ed., University of Illinois

COUSERT, Diane (2013)
Vice Chair, Nursing and Faculty Affairs/Health Professions
B.S., Lakeview College of Nursing
M.S., University of Illinois

COX, Jeffery (2002)
Professor/Computer Science
B.S., Southern Illinois University
Certified in MSCE, MCT, A+, and Network+

COX, Tammy (2014)
Instructor/Health Professions
A.A.S, Parkland College

CRNEKOVIC, Victoria (2001)
Associate Professor/Biology
B.S., University of Illinois
M.S., University of Illinois

CROSS, Megan (2012)
Assistant Professor/Nursing
A.D.N., Northwest Mississippi Community College
B.S.N., Jacksonville University
M.S.N, Olivet Nazarene University

DACE, Tracy (2014)
Faculty Fellow/Developmental Reading
M.A., University of Mississippi

DALLAS, Derek (2001)
Assistant Professor/Computer Graphics
A.A.S., Lakeland College
B.S., Eastern Illinois University

DALTON, Rosetta A. (1998)
Associate Professor/Biology
B.S., University of Illinois
M.S.T., University of Illinois

DENMARK, Mary Catherine (2003)
Director/TRiO-Student Support Services
B.A., Maryville College
M.S., Radford University

DONOVAN, Michael J. (1989)
Professor Emeritus/Automotive
A.A.S., Black Hawk College
B.S., Illinois State University
M.S., Illinois State University

DOSSETT, Raeann (2001)
Information Services and Electronic Resources Librarian/Library
Associate Professor/Library
B.S., Illinois State University
M.L.S., University of Illinois

DRAKE, Sheryl (2007)
Associate Professor/Chemistry
B.S., Illinois State University
M.S., Illinois State University

ELLER, Lisa (2011)
Associate Professor/Veterinary Technology
D.V.M., Purdue University

EVERETT, Tamala (2007)
Associate Professor/Massage Therapy
B.S., Florida State University
M.S., Florida State University

FISCHER, Thomas (2014)
Instructor/Automotive Ford ASSET
B.S., Southern Illinois University
B.S., Southern Illinois University
ASE Certified

FLESHNER, Amy R. (1998)
Director/Community Education
A.S., Parkland College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

FLETCHER, Randall (2008)
Dean/Career and Transfer Programs
B.A., Illinois Wesleyan University
M.S., Illinois State University
M.S., University of Illinois

FOWLER, Willie (2000)
Professor/Political Science
B.A., Northern Illinois University
M.P.A., Northern Illinois University
Ph.D., Northern Illinois University

FRIDGEN, Jenni (2014)
Instructor/Business and Agri-Industries
M.S., Mississippi State University

FRUENDT, Mark E. (1994)
Professor Emeritus/Automotive Ford ASSET
B.A., Governors State University
ASE Master Automobile Technician Ford Certified

GARRETT, Lori (2009)
Associate Professor/Biology
B.S., University of Illinois
M.S., University of Illinois

GAUMER, Nancy L. B. (1996)
Professor/Child Development
B.S., University of Illinois
M. Ed. , University of Illinois

GREER, Kara (2008)
Associate Professor/Mathematics
B.S., University of Illinois
M.S., University of Iowa

GRIFFITHS, Geoffrey (2006)
Department Chair/Mathematics
Associate Professor/Mathematics
B.S., Illinois State University
M.S., Illinois State University

GRISON, Sarah (2013)
Instructor/Psychology
Ph.D., University of Wales

GULICK, Angela M. (1999)
Professor/English Composition
B.S., Iowa State University
B.A., Iowa State University
M.A., Iowa State University

HACKMAN, Erika (2009)
Dean/Learning Support
B.A., University of Illinois
M.Ed., University of Illinois

HALES, Wade (2014)
Adjunct Instructor/Health Professions
B.S., Eastern Illinois University

HANCOCK, Steven (2002)
Assistant Professor/Diesel Power Equipment Technology
A.A.A., Northeast Iowa Community College

HARDEN, Rochelle (2003)
Associate Professor/English
B.A., Northern Illinois University
M.A., Northern Illinois University
M.Ed., University of Illinois

HARSHBARGER, Terry L. (1996)
Professor/Geography
B.A., University of Illinois
M.S., Purdue University
M.A., Indiana State University
Ph.D., Purdue University

HASTINGS, Kevin (2000)
Associate Professor/Mathematics
A.S., Olney Central College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

HAVENLAND, Christina (2009)
Associate Professor/Pre-College ESL
B.A., Valparaiso University
M.S., University of Illinois

HECK, Joanne (2008)
Associate Professor/Practical Nursing
B.S.N., Olivet Nazarene University
M.S.N., Walden University

HEDRICK, Gordon (2010)
Assistant Professor/Diesel Power Equipment Technology
Certificate, Lakeland College

HENDERSON, Triss A. (1996)
Director/Business Training
B.S., University of Illinois

HENRIKSON, Bruce W. (1989)
Department Chair/Business and Agri-Industries
Professor/Agriculture
B.S., University of Illinois
M.Ed., University of Illinois

HICKMAN, Jeffrey A. (1993)
Professor/English
A.A., Elgin Community College
B.A., Elmhurst College
M.A., University of Wisconsin-Madison

HICKOX, Tracey (2014)
Director/Center for Academic Success
B.S., University of Memphis
M.S., University of Memphis

HOFFSOMMER, Joi (2012)
Associate Professor/Theatre
M.F.A., University of Nebraska

HORTON, Todd W. (1998)
Associate Professor/Construction Design and Management
B.S., University of Illinois
Professional Engineer, Illinois
Professional Land Surveyor, Illinois

HURT, Matthew (2003)
Professor/English
B.A., University of Illinois-Chicago
M.A., University of Illinois-Urbana
Ph.D., University of Illinois-Urbana

IRANI, Kaizad (2002)
Professor/Horticulture and Agriculture
B.Arch. , University of Puna, India
M.A., University of Illinois

JAMISON, Laura F. (1998)
Professor Emeritus/Sociology and Psychology
B.S.W., University of Illinois
M.S.W., University of Illinois

JANCOLA, Angela E. (2000)
Counselor, Associate Professor/Counseling and Advising
A.A., Parkland College
B.S., University of Illinois
M.S.W., University of Illinois

JOHNSON, Erik S. (2011)
Assistant Professor/Astronomy
B.S., University of Iowa
M.S., Iowa State University

JONES, Marsh (2001)
Professor/History
B.S., University of Illinois
M.A., University of Illinois
Ph.D., University of Illinois

JONES, William (2015)
Certified Flight Instructor/Aviation
B.S., Lebanon Valley College
Airline Transport Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration
Ground Instructor, Federal Aviation Administration

KARCH, Adam (2013)
Instructor/Automotive
A.A.S., Parkland College

KASSEM, Amin (2014)
Chief Information Officer/Administrative Services
M.S., Northwestern University

KEIST, Jason (2014)
Instructor/Sociology
M.S.W., University of Illinois

KELLEY, David (2007)
Associate Professor/Criminal Justice
B.A., Governors State University
M.B.A., DePaul University
FBI National Academy, 199th Session

KENNETT, Tami (2011)
Associate Professor/Nursing
B.S.N., Illinois State University
M.S.N., Illinois State University

KESLER, Mark (2008)
Associate Professor/Business
B.S., University of Illinois
M.S., Eastern Illinois University

KESLER, Tamara R. (1998)
Professor/Office Careers
B.S., Eastern Illinois University (Business)
B.S., Eastern Illinois University (Education)
M.S., Illinois State University

KILAR, Jeff (2009)
Associate Professor/Hospitality Industry
B.A., University of Iowa
M.B.A., Eastern Illinois University

KLATSKY, Jennifer A. (1994)
Counselor, Professor/Counseling and Advising
B.A., Yale University
M.A., University of California-Berkeley
M.S., University of California-Berkeley

KNOTT, Kevin (2008)
Director/Institutional Accountability, Research and Grants
A.S., Parkland College
B.S., Illinois State University
M.S., Illinois State University
M.S., University of Illinois

KO, Jay (2002)
Associate Professor/Mathematics
B.S., University of Pittsburgh
M.S., University of Illinois

KOLB, Gerald N. (1999)
Associate Professor/Computer Science
B.A., State University of New York College at Brockport
M.S., University of Buffalo

KRALL, Bryan (2002)
Associate Professor/Biology
A.A.S., Illinois Central College
B.S., Illinois State University
M.S., Illinois State University

KUYKENDALL, Sue A. (1992)
Professor/English
B.A., Illinois State University
M.S., Illinois State University
D.A., Illinois State University

LANDIS, Amber (2006)
Associate Professor/English
B.A., Illinois State University
M.A., University of Illinois

LARENAS, Charles (2008)
Associate Professor/Education
B.S., University of Illinois
M.S., University of Illinois

LAU, Pamela (2000)
Dean/Academic Services
B.A. (First Class Honors), National University of Singapore
M.A., University of Chicago

LEACH, Melissa (2002)
Associate Professor/Spanish
B.A., Illinois Wesleyan University
M.A., University of Illinois

LEAKE, David C. (1989)
Professor/Astronomy and Physics
Coordinator/Planetarium
B.S., University of Illinois
M.Ed., University of Illinois

LEAP, John W. (1983)
Professor/Engineering Science and Electronics
B.S., Purdue University
M.S., Purdue University
Ph.D., University of Illinois

LEHN, Patricia (Patty) (2010)
Director/Marketing and Public Relations
B.A., Marquette University

LEUSZLER, Heidi K. (1995)
Professor/Biology
B.A., Knox College
M.S., Utah State University

LITTLETON, Jody (2001)
Associate Professor/Communication Director/Study Abroad
A.S., Lake Land College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

LOBDELL, Laurie (2011)
Associate Professor/Veterinary Technology
B.A.S., Siena Heights University

LORENZ, Carl P. (1992)
Professor/Physics and Astronomy
B.S., Illinois Institute of Technology
M.S., University of Illinois
Ph.D., University of Illinois

LOVETT, Rod M. (2000)
Director/Athletics
Sports Information Director
B.S., University of Illinois
M.S., University of Illinois

LOY, Sue (1972)
Professor/Anthropology and History
B.A., University of Illinois
A.M. , University of Illinois
Ph.D., University of Illinois

MANSFIELD, James C. (1998)
Professor/Electronics
A.A.S., Parkland College
A.S., Parkland College
B.S., Illinois State University
Ed.M., H.R.D., University of Illinois

MARTIN, Molly (2012)
Associate Professor/Respiratory Care
A.A.S., Parkland College
B.S., Greenville College

MASTERS, Rebecca (2012)
Assistant Professor/Surgical Technology Certificate, Parkland College

MATTHEWS, Michelle (2012)
Assistant Professor/Nursing
A.A.S., Parkland College
B.S.N., University of Phoenix
M.S.N., Walden University

MAUNEY, Sean (2002)
Professor/Computer Science
B.S., Fresno State
M.S., Purdue University

MAY, Shelby (2014)
Adjunct Instructor/Health Professions
A.A.S., Parkland College
B.S., Illinois State University
M.S., University of Alabama

MCANDREW, Kathleen (2008)
Director/Human Resources
B.S., Eastern Illinois University
M.P.A., Governors State University

MCCLURE, Kendra (2010)
Associate Professor/Communication
B.A., Valparaiso University
M.A., Eastern Illinois University

MCMANUS, Ann M. (1998)
Associate Professor/Psychology
B.A., University of the Pacific
Certification, University of California–Berkeley
M.A., San Francisco State University

MEERS, Theresa (2006)
Associate Professor/Agriculture and Horticulture
B.S., University of Illinois
M.S., University of Illinois

MENDELOWITZ, Seth J. (1994)
Professor/English
B.A., Union College
M.A., San Francisco State University
M.A., San Francisco State University
M.A., University of Illinois

MERCER, Brian A. (1998)
Professor/Mathematics
A.S., Lake Land College
B.A., Eastern Illinois University
M.S., Southern Illinois University

MEREDITH, Ray D. (1998)
Associate Professor/English as a Second Language
B.A., University of Illinois
M.A., University of Illinois
Certificate of Advanced Study, University of Illinois

MILLS, Kimberly (2002)
Professor/Radiology
A.A.S., Parkland College
B.S., University of St. Francis
M.S., University of St. Francis

MITEVA, Valentina (2012)
Associate Professor/Biology
M.S., University of Plovdiv

MOBASSERI, Maria (1999)
Department Chair/Computer Science and Information Technology
Associate Professor/Computer Science
B.S., University of Massachusetts
M.S., University of Illinois

MOORE, John E. (1980)
Professor/Biology
B.S., Grand Valley State College
M.S., Southern Illinois University

MOORE, Linda H. (1994)
Vice President/Student Services
B.M.E., Ohio State University
M.S., University of Southern Mississippi
Ph.D., University of Illinois

MORRIS, Richard D. (1997)
Professor/English
B.A., University of Illinois
B.S., Eastern Illinois University
M.A., Eastern Illinois University
Ph.D., Purdue University

MYERS, Amy B. (1999)
Professor/Economics
B.A., Eastern Illinois University
M.A., Eastern Illinois University

MYLES, Rita (2000)
Instructor/Health Professions
A.A.S., Parkland College
B.A., University of Illinois
M.S., University of St. Francis

NDOYE, Ibrahima (2005)
Associate Professor/Humanities and Foreign Language
B.A., University of Dakar
M.A., University of Illinois

NELSON, Marva (2001)
Associate Professor/English
B.A., Southern Illinois University
M.F.A., Southern Illinois University

NICKENS, Tawanna (2000)
Dean/Adult Education and Workforce Development
B.S., Southern Illinois University
M.S.Ed., Eastern Illinois University

NUDELMAN, Brian (2004)
Professor/English
B.A., Florida Atlantic University
M.A., Florida Atlantic University
Ph.D., University of Southern Mississippi

O'CONNOR, Lauren (2006)
Associate Professor/English
B.A., University of Illinois
M.A., University of Illinois

OLIVERAS-HERAS, Montserrat (2004)
Associate Professor/Spanish
B.A., Universidad Central, Barcelona
M.A., University of Illinois

OMO-OSAGIE, Joseph (2006)
Counselor, Associate Professor/Counseling and Advising
A.A., Parkland College
B.A., University of Illinois
M.S.Ed., Eastern Illinois University

PANKAU, Kimberly (2008)
Associate Professor/Dental Hygiene
A.A.S., Parkland College
B.S., University of Saint Francis
M.A., University of Illinois-Springfield

PAPENBROK, Heidi (2003)
Associate Professor/Nursing
B.S.N., Aurora University
M.S., Rush University

PATRIQUIN, Wendy M. (1999)
Department Chair/Humanities
Associate Professor/Intensive ESL
B.A., Ohio University
M.A., The American University
M.S., University of Pennsylvania

PEIDL, Shane (2012)
Associate Professor/Automotive Ford ASSET
A.A.S., Parkland College
B.S., Southern Illinois University
Ford Senior Master Service Engineer

PENNE, Amy (2001)
Associate Professor/English
B.A., University of North Carolina at Charlotte
M.A., University of Illinois
Ph.D., University of Illinois

PHILLIPS, Sybil (2014)
Director, Chief Pilot/Aviation
B.S., University of Illinois
M.Ed., University of Illinois
Airline Transport Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration
Ground Instructor, Federal Aviation Administration

PORTER, Adam (2014)
Instructor/Communications and Radio
B.A., Southern Illinois University
M.S., Southern Illinois University

POWERS, Theodore J. (1998)
Associate Professor/Psychology
A.S., Lincoln Land Community College
B.S., University of Illinois
M.S., University of Illinois

RAGSDALE, Carolyn J. (1994)
Professor/Surgical Technology
Certificate, Parkland College
B.S., Eastern Illinois University
M.A., University of Illinois

RAMAGE, Thomas R. (1998)
President
B.A., Governors State University
M.A.Ed.H.D., George Washington University
Ed.D., Nova Southeastern University

RANDLES, Chris (1994)
Vice President for Administrative Services and Chief Financial Officer
B.S., University of Illinois
C.P.A., State of Illinois
C.B.M., Association of Professional Business Management

RANDOLPH, Jody A. (1984)
Professor/Medical Assisting
A.A.S., Parkland College
B.S.N., University of Illinois

REDMON, Kent D. (1985)
Professor Emeritus/Communication
A.A., Parkland College
B.S., Bradley University
M.A., Eastern Michigan University
Ed.D., Illinois State University

REILLY, Seamus J. (1999)
Vice President for Institutional Advancement
B.A., University College, Dublin
M.A., University College, Dublin
Ph.D., University of Illinois

REYNOLDS, Evelyn (2010)
Associate Professor/Social Science
B.S., Illinois State University
M.S., Illinois State University

ROBB, Ryan (2003)
Associate Professor/Agriculture
A.S., Lake Land College
B.S., University of Illinois
M.S., University of Illinois

ROBERTS, Jim (2011)
Associate Professor/Nursing
B.S., University of Saint Francis
M.S.N., Walden University

ROBERTS, Michelle (2014)
Instructor/Occupational Therapy
A.A., Holmes Junior College
B.S., Delta State University

ROBINSON, Cathy (2010)
Director/Disability Services
A.A., Central YMCA Community College
B.A., Chicago State University
M.S.Ed., Chicago State University

RODRIGUEZ, Manny (2010)
Assistant Professor/Chemistry
B.S., University of Puerto Rico
M.S., University of Illinois

RODRIGUEZ, Renato B. (1999)
Professor/Spanish
B.A., Instituto Pedagogico Nacional de Monterrico
Royal Society of Arts Diploma, University of Cambridge
M.A., University of Cincinnati

ROSS, Jonathan C. (1997)
Associate Professor/Automotive Technology
A.A.S., Parkland College
B.S., Southern Illinois University
M.S., Eastern Illinois University
ASE Certified Technician

ROUBAL, Peter (1998)
Professor/Music
B.A., University of Illinois
M.M., University of Illinois
D.M.A., University of Illinois

ROWLAND, Miranda (2013)
PROF Scholar/Music
B.M., Rider University
M.A., Rider University

RUTLEDGE, Steven (2007)
Associate Professor/English
B.A., University of Illinois
M.Ed., University of Illinois
Ph.D., University of Illinois

RYAN, Daniel (2014)
FYE II Coordinator/Adjunct Instructor/Center for Academic Success
B.A., Southern Illinois University
Certificate, Southern Illinois University
M.P.A., Roosevelt University
M.S., Southern Illinois University
Ph.D., Southern Illinois University

RYAN, Marilyn K. (1995)
Counselor, Professor/Counseling and Advising
A.A., Lincoln Land Community College
B.A., University of Texas
M.S., University of Wisconsin

SADARANGANI, Umeeta (1997)
Professor/English
B.A., Cedar Crest College
M.A., Northeastern University
Ph.D., The Pennsylvania State University

SARANTAKOS, Paul W. (1995)
Professor/Criminal Justice
B.S., Central Missouri State University
M.S., Central Missouri State University
FBI National Academy, 197th Session
Advanced Certificate, University of Illinois

SATTERLEE, Jennifer L. (1998)
Professor/Reading
B.S., University of Illinois
M.Ed., University of Illinois

SAUER, Sandra M. (2000)
Professor/Nursing
B.S., Southern Illinois University
M.Ed., Northern Arizona University

SCARBOROUGH, Isabel (2012)
Associate Professor/Anthropology
Ph.D., University of Illinois

SCHACHT, Katie (2014)
Counselor, Instructor/Counseling and Advising
M.A., University of Minnesota

SCHIRMER, Timothy G. (1997)
Professor Emeritus/Music
B.A., St. Louis University
M.M., University of Illinois
D.M.A., University of Illinois

SCHMIDT, Ellen (2014)
Interim Executive Director/Foundation
B.A., Eastern Illinois University

SCHNARRE, Thomas (2001)
Associate Professor/English
B.S., Eastern Illinois University
M.A., Eastern Illinois University

SCHOLZE, Bobbi (2006)
Dean/Health Professions
B.S.N., Villa Maria College
M.S.N., University of Pittsburgh

SCHRUMPF, Nancy E. (1988)
Professor Emeritus/Accounting
B.S., University of Illinois
M.A.S., University of Illinois
C.P.A., State of Illinois

SCHUDEL, Marc (2009)
Assistant Professor/Networking
A.A.S., Parkland College

SCHULTZ, James Robert (1999)
Professor/Industrial Technology
A.A., Rend Lake College
A.A.S., Southern Illinois University
B.S., Southern Illinois University
M.S., Southern Illinois University

SCHWABAUER, Carolyn (2009)
Associate Professor /Reading
B.A., Augustana College
M.L.D., Saint Mary of the Woods

SEIF, Denise (2004)
Associate Professor/Art and Design
B.F.A., University of Illinois
M.A., Eastern Illinois University
M.F.A., Kent State University

SEIM, Madeline (2008)
Associate Professor/Respiratory Care
B.A., Eastern Illinois University
M.S., Eastern Illinois University

SELLERS, Kelly D. (1997)
Associate Professor/Computer Information Systems
B.A., University of Washington
M.B.A., University of Washington

SHAW, Peggy (2007)
Associate Professor/Art and Design
B.F.A., University of Illinois
M.F.A., Art Institute of Chicago

SHEAHAN, John (1994)
Director, Professor/Counseling and Advising
B.A., Quincy College
M.S., Illinois State University

SHI, Jing (2007)
Access Service Librarian, Associate Professor/Library
M.S., University of Illinois
M.A., Hebei Normal University, China

SHOAF, Curtis (2001)
Associate Professor/Physics
B.S., University of Illinois
M.S., University of Illinois

SIECHEN, Scott (2008)
Department Chair/Natural Sciences
Associate Professor/Biology
B.A., Indiana University
Ph.D., University of Illinois

SMITH, Brian (2000)
Associate Professor/Mathematics
B.S., Truman State University
M.S., Purdue University

SMITH, Jane (2006)
Information Services/Instruction Librarian
Associate Professor/Library
M.L.I.S., Dominican University

SMITH, Judy (2010)
Associate Professor/Accounting
B.A., University of Oklahoma
M.A., Southern Illinois University

SMITH, Leslie (2003)
Associate Professor/Mathematics
B.S., University of Illinois
M.S.T.M., University of Illinois

SOLA, Travis (2008)
Associate Professor/Psychology
B.S., Grand Valley State University
M.A., University of Illinois

SONNICHSEN, Laura (2001)
Professor/Chemistry
B.A., Oberlin College
Ph.D., University of California, Los Angeles

SPADING, Michele (2007)
Vice Chair, Student Affairs/Health Professions
B.S.N., University of Iowa
M.S.N., University of Illinois

SPENCER, Sandra L. (1994)
Director/Career Center
B.S., Eastern Illinois University
M.Ed., Eastern Illinois University

STALTER, Catherine (2002)
Department Chair/Engineering Science and Technologies
A.A.S., Parkland College
B.A., Eastern Illinois University

STEPHENS, Christopher (2004)
Assistant Professor/Automotive Collision Repair
ASE Master of Collision Repair
I-CAR and Refinish Certification
GM and Chrysler Collision Certification
DuPont Finish Certification

STEWART, Nathan (2014)
Faculty Fellow/Fine and Applied Arts
B.S., Illinois State University
M.S., Illinois State University

STOLZ, Joan (2001)
Associate Professor/Art and Design
B.A., University of Maryland
M.F.A., Maryland Institute College of Art

SUTTON, Nancy (2006)
Dean/Arts and Sciences
Associate Professor/Communication
B.A., Millikin University
M.S., Southern Illinois University

SWAN, Danny (2007)
Assistant Professor/Automotive Collision Repair
Painter Certification, Sherwin Williams Chicago Training Center
Paintless Dent Removal Certificate, Tools & Equipment Inc.
I-CAR Certificate of Advanced Training Certified Technician, SEM
Genesis 2 Certificate, Chief Automotive Systems

TALLEUR, Donald (2015)
Certified Flight Instructor/Aviation
Professional Pilot Curriculum Certificate
B.S., University of Illinois
M.S., University of Illinois
Airline Transport Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration
Ground Instructor, Federal Aviation Administration

TANNER-HAROLD, Donna (2001)
Counselor, Associate Professor/Counseling and Advising
B.S., University of Illinois
M.S., Eastern Illinois University

TAYLOR, Carrie (2008)
Associate Professor/Psychology
B.S., University of Illinois
M.A., University of Illinois

THUROW, Lawrence L. (1995)
Professor Emeritus/Agriculture
A.A.S., Joliet Junior College
B.S., Western Illinois University
M.S., University of Illinois

TRAME, Michael (2013)
Dean/Enrollment Management
B.A., University of Illinois
M.S., University of Illinois

TURNER, Marietta (2008)
Dean/Student Services
B.A., University of Illinois-Chicago
M.A., Governors State University

URBAN, Ken J. (1997)
Professor/Computer Science
B.S., University of Albany
M.S., College of William and Mary
M.C.S., University of Illinois

VerSTRAT, Patricia (2004)
Professor/English
B.A., Northern Michigan University
M.A., Northern Michigan University
Ph.D., Washington State University

VICEK, Jeffery (2004)
Associate Professor/Economics
B.A., Eureka College
M.S., University of Illinois

WALBURG, Gregory (2004)
Associate Professor/Construction Design and Management
B.S., Michigan State University
M.S., Purdue University
Ph.D., Purdue University

WALLS, Gina D. (1994)
Professor/Sociology
A.B., University of Illinois
M.A., Illinois State University
Ph.D., University of Illinois

WALWIK, Joseph (2009)
Department Chair/Social Sciences and Human Services
Associate Professor/History
Ph.D., The American University

WARREN, Chris (2004)
Associate Professor/Kinesiology
A.S., Parkland College
B.A., Concordia University
M.S., University of Illinois

WARREN, James (2014)
Certified Flight Instructor/Aviation
B.S., University of Illinois
Commercial Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration

WATKIN, Anna Maria (1999)
Director/Library
B.A., Stourbridge College of Technology and Art, United Kingdom
M.F.A., Illinois State University
M.L.S., University of Illinois

WATT, Matthew (2005)
Associate Professor/Art and Design
B.F.A., Eastern Michigan University
M.F.A., Savannah College of Art and Design

WEISHAR, Julie (2001)
Associate Professor/Communication
A.A., Triton College
B.A., Rosary College
M.A., University of Illinois-Chicago

WELTER, Steve (2002)
Associate Professor/Accounting
B.S., University of Iowa
M.S., Illinois State University
M.B.A., University of Illinois

WENDT, Tim (2002)
Director/Enrollment Services
A.S., Spoon River College
B.S., Western Illinois University
M.B.A., Eastern Illinois University

WEST, Lawrence (2015)
Certified Flight Instructor/Aviation
A.S., Lincoln Land Community College
B.A., University of Illinois
Commercial Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration
Ground Instructor, Federal Aviation Administration

WHITLOCK, Greg (2002)
Associate Professor/Philosophy
B.A., University of Illinois
M.A., University of Texas
Ph.D., University of Texas

WILDING-MARTIN, Erin (2001)
Professor/Mathematics
B.S., Illinois College
M.S., University of Illinois
Ph.D., University of Illinois

WILLIAMS, Deanna J. (2005)
Associate Professor/English Composition
B.A., Truman State University
M.A., University of Illinois

WILLIAMS, Lori J. (1995)
Professor/English
B.A., Kentucky Wesleyan College
M.A., Indiana University
Ph.D., Indiana University

WILSON, Andrew (2002)
Associate Professor/Mathematics
B.S., Illinois College
M.A., St. Louis University

WILSON, David L. (2001)
Professor/Computer Science
A.A.S., Parkland College
B.A., Eastern Illinois University
M.S., Eastern Illinois University

WILSON, David M. (2004)
Associate Professor/Chemistry and Biology
B.A., Mount Vernon Nazarene University
M.S., University of Illinois

WIRTH, William (2007)
Associate Professor/Welding
A.S., City College of Chicago
B.S., State University of New York
M.Ed., University of Illinois
American Welding Society, Certified Welding Educator
Certified Welding Inspector

WOODS-STAHLER, Nikki (2004)
Associate Professor/Mathematics
B.A., Eastern Illinois University
M.A., Eastern Illinois University

WRAY, Patricia (2008)
Associate Professor/CNA
A.A.S., Parkland College

YOUNG, Paul (1999)
Professor/Graphic and Web Design
B.F.A., University of Illinois
M.Ed., University of Illinois

ZHAO, Ruijie (2010)
Associate Professor/English
Ph.D., Bowling Green State University

ZIEGLER, Mark (2000)
Assistant Professor/Diesel Power Equipment Technology
John Deere, Massey Ferguson, Pixall Harvester, Hyster, and Deutz Allis Training Schools

ZYCH, Carmen (2006)
Associate Professor/Nursing
A.A.S., Parkland College
B.S., University of Illinois
M.S., University of Illinois

Professional Support Staff

Date in parentheses indicates first year of full-time appointment at Parkland College.

ADKISSON, David (2015)
Technical Support Specialist/Aviation

ALBRECHT, James (2006)
Disability Services Specialist/Office of Disability Services
B.F.A., Savannah College of Art and Design
M.S., Capella University

ALMENAS, Nilsa (2005)
Head Teacher/Child Development Center

ANDERSON, David (2009)
Program Manager/Engineering Science and Technologies
A.A., Parkland College
B.S., Illinois State University

ANDERSON, Gail (2005)
Coordinator/Testing Center Natural Sciences
A.A.S., Parkland College
B.S., University of Illinois

ARTHUR, Patti (2006)
Assistant/Counseling and Advising
A.A., Parkland College

BAILEY, Tara (2003)
Assistant Director/Child Development Center
A.A., Parkland College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

BAKER, Phoebe (2012)
Cook/Child Development Center

BALES, Cindy A. (1993)
Administrative Assistant/Social Sciences and Human Services

BARBEE, Li (2008)
Administrative Assistant/Humanities
A.S., Parkland College

BARBEE, Steve (2002)
Network Specialist/Campus Technologies
A.A.S., Parkland College

BARBER, Rebecca (2011)
Assistant Teacher/Child Development Center

BARNES, Joyce (2004)
Custodian/Physical Plant

BEACHY, Richard (2004)
Communications Wiring Specialist/Campus Technologies

BENNER, Myriah (2006)
Academic Advisor/Counseling and Advising
A.A.S, Parkland College
B.S., Greenville College
M.S., Eastern Illinois University

BENNETT, Stacey L. (1999)
Financial Aid Associate/Financial Aid
A.S., Parkland College
B.S., Eastern Illinois University

BIELERT, Ray (2006)
Mail Services Coordinator/Print Shop and Mail Room Services
A.A., Parkland College
Certificate, Parkland College
B.A., Eastern Illinois University

BIRKY, Joshua (2009)
Program Manager/Grants and Contracts
B.S., University of Illinois

BLAIR, Frank D. (1993)
Access Services Assistant II/Library

BODE, Nancy D. (1979)
Library Technical Assistant/Library
B.S., Eastern Illinois University

BRADLEY, Steven (2005)
Custodian/Physical Plant

BRANTLEY, Lisa (2009)
Technical Assistant and Acquisitions/Library
B.A., Eastern Illinois University

BROWN, Evelyn P. (1993)
Academic Development Specialist/Center for Academic Success
B.S., Illinois State University
M.S., Illinois State University

BRYANT, Linda (2010)
Painter/Physical Plant

BUCHANAN, Tyra (2011)
Associate/Admissions and Records

BURNER, Kathleen F. (1999)
Web Content Manager/Marketing and Public Relations
A.A., Parkland College

BYERS, LeeAnne (2014)
Biology Lab Manager/Natural Sciences
A.S., Spoon River College
B.S., Western Illinois University
M.S., University of Illinois

CAMPBELL, Carolyn (2013)
Custodian/Physical Plant

CARLSON, John (2013)
Security Patrol Officer/Public Safety
M. B.A., Keller Graduate School of Management

CATLIN, Renee (2002)
Assistant/Dental Clinic

CHAPMAN, Kena Jo (2004)
Chemistry Lab Manager/Natural Sciences
B.S., Eastern Michigan University
B.S., University of Wisconsin
M.S., Newman University

CHEPAN, Beth (2005)
Credentials Analyst/Admissions and Records
A.A., Parkland College
B.A., Eastern Illinois University

CLER, Michelle (2000)
Assistant/Athletics
Certificate, Parkland College
A.A., Parkland College

COLEMAN, Stephanie (2007)
Academic Advisor/Counseling and Advising
A.A.S., Illinois Central College
B.S., Southern Illinois University
M.S.Ed., Eastern Illinois University

COLWELL, Phyllis (2007)
Secretary/Admissions and Records
A.A., Parkland College
B.S., Eastern Illinois University

COSTELLO, Lisa (2004)
Director/Art Gallery/Fine and Applied Arts
B.F.A., University of Illinois
M.F.A., Cranbrook Academy

COULTER, Michael K. (1998)
Instructional Technology Specialist/ Distance and Virtual Learning
B.A., Eastern Illinois University

COUNTER, Brian (2007)
Senior Research Analyst/ Institutional Accountability and Research
B.S., University of Illinois

COUNTER, Ruthie (2003)
Staff Writer/Marketing and Public Relations
B.A., Butler University

CROOK, Thomas P. (1986)
Associate/Admissions and Records
A.A.S., Parkland College

CROWLEY, Jason (2009)
Groundskeeper/Physical Plant

CUPPERNELL, Rebecca (2007)
Telecommunicator/Public Safety

CUSHMAN, Richard (1993)
Groundskeeper/Physical Plant

DANNENFELDT, Sean (2007)
Operations Manager/Humanities
B.A., University of Illinois
M. Ed. , University of Illinois

DAVIDSON, Kathleen R. (1983)
Nursing Lab Assistant/Nursing
B.S., South Dakota State University

DAVIS, Jennifer (2011)
Graphic Designer/Marketing and Public Relations
B.A., University of Illinois

DELANEY, Rachel (2013)
Administrative Assistant/Health Professions

DELMASTRO, Nicole (2014)
Advisor/TRiO-Student Support Services

DENSMORE, Aimee (2002)
Academic Scheduler/ Institutional Accountability and Research
A.S., Olney Central College
B.A., Eastern Illinois University

DILLER, Bryan S. (1994)
Network Specialist/Campus Technologies
A.A.S., Parkland College

DILLMAN, David G. (1999)
Shop Manager/Fine and Applied Arts
A.A., Parkland College
B.F.A., University of Illinois
M.F.A., University of Illinois

DRAKE, Robert W. (2001)
Technical Support Specialist/Campus Technologies
A.S., Parkland College
B.S., Eastern Illinois University

EASTIN, Haiti C. (1995)
Advisor/Financial Aid
B.S., Eastern Illinois University

EBY, John (2000)
Program Manager/Community Education
B.F.A., Illinois Wesleyan University
M.F.A., University of Illinois

EHMANN, Kathryn L. (1999)
Technical Support Specialist/Campus Technologies
A.A.S., Parkland College
B.A., Eastern Illinois University

EISENHAUER, Jennifer (1997)
Assistant Manager/Bookstore
A.S., Parkland College
B.S.Ed. , Illinois State University

FARMER, David (2011)
Custodian/Physical Plant

FAUST, Steve (2010)
Custodian/Physical Plant

FIGUEROA, Anthony (2012)
Associate/Athletics

FOLLOWELL, Beth M. (1979)
Senior Computer Operator III/Campus Technologies
Certificate, Parkland College

FORAN, Debbie (2007)
Testing Center Clerk/Natural Sciences
B.A., University of Illinois

FOSTER, Chris (2007)
Program Manager/PCTV
A.A., Parkland College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

FRAZIER, Towanda (2003)
Custodian/Physical Plant

FREDERICK, Susan (1995)
Program Assistant/Adult and Workforce Education

FRIEDMAN, Lori A. (1998)
Systems Analyst/Campus Technologies
A.A.S., Parkland College

GARCIA, David (2013)
Associate, Fitness Center Director/Athletics

GARDNER, Johnathan (2013)
Web Technical Support Specialist/Campus Technologies
A.G.S., Parkland College
A.S., Parkland College

GARNER, Jill (2009)
Administrative Assistant/Computer Science and Information Technology
Certificate, Parkland College
A.A.S., Parkland College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

GEIKEN, Deane (2014)
WPCD Radio Director/Fine and Applied Arts
A.A.S., Parkland College
B.S., Illinois State University

GIBONEY, Lee (2014)
Custodian, Physical Plant

GOLDENSTEIN, Susan (2004)
Administrative Assistant/Foundation
A.S., Parkland College
B.S., Eastern Illinois University

GOOD, Dawn (2005)
Advisor/Financial Aid
A.G.S., Parkland College

GROOT, Alison (2010)
Research Analyst/ Institutional Accountability and Research
B.A., University of Notre Dame
M.A., University of Illinois

GROSSER, Rebecca (2007)
Graphic Designer/Marketing and Public Relations
A.A.S., Parkland College
B.S., University of Illinois
M.S., University of Illinois

GUYMON, Mark S. (1995)
Network Specialist/Campus Technologies
A.A.S., Parkland College
B.S., University of Illinois

HALL, Debra (2000)
Accounts Receivable Accountant/ Business Office

HAMOR, Marcia D. (1994)
Payroll Accountant/Business Office
B.A., University of Missouri

HARRIS, Carrie (2000)
Academic Advisor/Counseling and Advising
A.A.S., Parkland College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

HARRIS, Donnita (2007)
Administrative Assistant/Fine and Applied Arts
B.A., Eastern Illinois University
M.S., Eastern Illinois University

HARRISON, Thomas (2013)
Groundskeeper/Physical Plant

HARTMAN, Sarah (2012)
Admissions Advisor/Admissions and Records

HAWTHORNE, Julie (2013)
Advisor/Financial Aid

HEATH, Natalie (2014)
Administrative Assistant/Aviation

HENDERSON, Phyllis (1995)
Bookkeeper/Accountant/Business Office
A.A.S., Parkland College
B.A., Eastern Illinois University

HENDERSON, William "Andy" (2014)
Printing Services Assistant/Reprographics

HERGES, Derek (2012)
Carpenter/Physical Plant

HEWING, Beth (2010)
Assistant/Assessment Center
A.S., Parkland College
B.S., University of Illinois

HINTON, Cyndia (2009)
Program Manager/Computer Science and Information Technology
A.A.S., State Technical Institute of Memphis
B.A., Eastern Illinois University
M.S., Eastern Illinois University

HOLY, Patrick (2001)
Systems Analyst/Campus Technologies
A.A.S., Parkland College

HOOKER, Anthony (2013)
Advisor/Adult Re-Entry Center

HOPPE, Lisa (1999)
Systems Analyst/Campus Technologies
A.A., College of DuPage
A.A.S., Parkland College
B.S., Illinois State University

HULS, Jim (1997)
Technical Support Specialist/Campus Technologies

HUTCHCRAFT, Tim (2008)
Manager/Instructional Materials Center
A.G.S., Parkland College
B.A., New York University
M.A., New Mexico State University

JOHNSON, Donnie (2013)
Research Analyst/Institutional Accountability and Research

JOHNSON, Eric (2011)
Custodian/Physical Plant

JOLLEY, Courtney (2013)
Systems Manager/Bookstore

JONES, Jacqueline (2003)
Custodian/Physical Plant

JONES, Susan (2001)
Academic Development Specialist/Center for Academic Success
B.S., Frostburg State College
M.Ed., Loyola College

JONES, Terri (1977)
Administrative Assistant/Business and Agri-Industries

KACZOR, Dennis (1999)
Credentials Analyst/Admissions and Records
B.A., University of Alabama
M.A., University of New Mexico

KAGAWA, Laura (2014)
Assistant, Financial Aid
B.S., Illinois State University

KERR, Kasey (2007)
Technical Support Specialist/Campus Technologies
A.A.S., Parkland College

KESSINGER, Dianne (1997)
Accounts Receivable Accountant/ Business Office
A.A.S., Parkland College

KUMLER, Sandra L. (1999)
Academic Scheduler/ Institutional Accountability and Research
A.A.S., Parkland College

LAUMANN, Theresa (2015)
High School Outreach Coordinator/ Assessment
B.S., University of Illinois

LEE, Larry W. (1994)
Groundskeeper/Physical Plant

LEWIS, Edward (2002)
Custodian/Physical Plant

LIKE, Albert (2002)
Custodian/Physical Plant

LUCAS, Iris (2015)
Custodian/Physical Plant

LYNE, Lisa (2008)
Program Manager/Dual Credit

MAGEE, Matthew (2014)
Technical Support Specialist/Campus Technologies

MAHANNAH, Jenifer (2013)
Assistant Teacher, Child Development Center
Certificate, Parkland College
A.A.S., Parkland College

MANN, Richard (2001)
Network Engineer/Illinois Century Network

MARTIN, Karen (2009)
Purchasing Agent/Business Office
B.A., St. Leo University

MATTHEW, Maret (2011)
Assistant/Career Center
A.A.S., Parkland College

MATTHEWS, Sharon (1988)
Secretary/Marketing and Public Relations

MAXWELL, John D. (1994)
Groundskeeper/Physical Plant

MAXWELL, John L. (2009)
Custodian/Physical Plant

MAYFIELD, Rachel (2013)
Career Center Specialist/Career Center

MCBRIDE, Melinda (2012)
Head Teacher/Child Development Center

MCCLAIN, Mark (2001)
Technical Support Specialist/Campus Technologies

MCCLUSKY-GILBERT, Jessie (2011)
Program Manager/Business Training

MCCULLY, Waylena (2000)
Production Designer/Planetarium
B.A., University of Toledo

MCDOWELL, Mark-Saint (2002)
Advisor/TRiO-Student Support Services
B.S., University of Illinois
Ed.M., University of Illinois

MCGOWAN, Ian (2011)
Custodian/Physical Plant

MCGOWN, Julie B. (1991)
Foundation and Alumni Relations Manager/ Foundation
B.A., Eastern Illinois University

MEECE, Julie K. Shumate (1991)
Office Assistant/Counseling and Advising
Certificate, Parkland College

MEILIKE, Sarah (2013)
Administrative Assistant/Library
A.A., Parkland College

MEYER, Jessica (2014)
Student Accounts Cashier/Business Office

MINNECI, Tanino (2010)
Student Development Advocate/ Center for Academic Success
B.A., University of Illinois
M.S.W., New York University

MINYARD, Sarah (2007)
Secretary/Student Life
A.A.S., Parkland College

MURBARGER, Patricia (2008)
Advisor/Financial Aid
B.S.Eastern Illinois University
M.Ed., DePaul University

MURPHY, Molly (2004)
Assistant Director/Center for Excellence in Teaching and Learning
B.A., University of Missouri

MURPHY-LUCAS, Christine (2011)
Administrative Assistant/Engineering Science and Technologies

MURRAY, Kristen (2007)
Secretary/Disability Services

MYETTE, Philip (2009)
Technology Specialist/Admissions and Records
B.S., Greenville College
M.S., Southern Illinois University-Edwardsville

NEWTON, Antwanette (2009)
International Student Academic Advisor/ Counseling and Advising
A.A., College of the Desert
B.A., California State University San Bernardino
M.S., University of Illinois

PAINTER, Jared (2010)
Carpenter/Physical Plant

PALMER, Marvin (2010)
Custodian/Physical Plant

PARENT, Linda K. (1983)
Systems Analyst/Campus Technologies
A.A.S., Parkland College
A.A., Parkland College
B.S., University of Illinois

PATRICK, Angela (2011)
Operations Assistant/Business Training

PATRICK, Eric (2014)
Operations Assistant/Business Training

PATTERSON, Richard (2004)
Computer Operator I/Campus Technologies
Certificate, Community College of the USAF

PAYTON, Darrell (1999)
Custodian/Physical Plant

PEIRCE, Jonathon (2013)
Technical Support Specialist/Computer Science and Information Technology
Certificate, Parkland College

PIERCE, James D. (1999)
Systems Programmer/Campus Technologies
A.A.S., Danville Area Community College
B.S., Eastern Illinois University Graduate Certificate, Eastern Illinois University
M.S., Eastern Illinois University

POWELL, Andy L. (1999)
Custodian/Physical Plant

PROBASCO, Debra (2001)
Program Assistant/Community Education
A.A.S., Parkland College

REED, Dianne R. (1994)
Telecommunicator/Public Safety

REYNOLDS, Cindy (2011)
Operations Assistant/Planetarium
A.A.S., Parkland College

RICHARDSON, Melvin (2008)
Custodian/Physical Plant

RICHARDSON, Robert (2008)
Applications Analyst /Distance and Virtual Learning
A.A.S., Lake Land College

RITTENHOUSE, Molly (2008)
Administrative Assistant/Health Professions
A.G.S., Parkland College

ROBERTS, Joni (2006)
Administrative Assistant/Campus Technologies
Certificate, Parkland College
A.A.S., Parkland College

ROCHA, Karen (1998)
Administrative Assistant/Natural Sciences

ROMITO, Jennifer (2010)
Associate/Admissions and Records
A.A.S., Parkland College

ROTHWELL, Randy (1999)
Academic Advisor/Counseling and Advising
A.S., Danville Area Community College
B.S., Illinois State University
M.S., Eastern Illinois University

ROWLAND, R. J. (2010)
Program Manager/HCCTP
A.A.S., Parkland College

SANDLER, Chaya (2014)
Activities Program Manager/Student Life
B.A., University of Illinois
Ed.M., University of Illinois

SCHARLOW, Kate (2014)
Telecommunicator/Public Safety

SCHREIBER, Susan (1991)
Operations Assistant/Center for Academic Success
B.S., Bradley University

SCHUERING, Diane M. (2000)
Selective Admissions Associate/Admissions and Records

SCHUTTE, Brian (2011)
Assistant/Financial Aid
A.A.S., Parkland College
B.A., Western Illinois University

SEAY, Glennis (2006)
Custodian/Physical Plant

SEIDEL, Hayden (2014)
Clerk/Bookstore

SEIDEL, Phaedra (1992)
Assistant/Assessment Center

SHORT, Scott C. (1990)
Maintenance Worker/Physical Plant

SMELTZER, Sarah (2015)
Research Analyst (Title III)/Institutional Accountability and Research
M.A., Minnesota State University

SMITH, Cynthia (2004)
Media Content Coordinator/Fine and Applied Arts
A.A.S, Parkland College
A.A.S, Parkland College

SMITH, Gary (2009)
Custodian/Physical Plant

SMITH, Gwen (2007)
Administrative Assistant/Mathematics
A.A.S., Community College of the Air Force
A.A.S., Parkland College
B.S., Eastern Illinois University

SMITH, Mary Kay (1999)
Student Services Advisor/Admissions and Records
B.S., University of Illinois
M.S., Eastern Illinois University

SOMERS, Jennifer (2005)
Head Teacher/Child Development Center
A.A.S., Parkland College

SPRAGUE, Lori A. (1986)
Assistant/Admissions and Records
B.F.A., Western Washington University
B.A., Western Washington University

SQUARE, Gregory L. (1991)
Academic Advisor/Counseling and Advising
A.A., Parkland College
B.S., Illinois State University
M.B.A., Regis University
Certificate, University of Illinois

STALVEY, Keith D. (1988)
Custodian/Physical Plant

STIERWALT, Derek (2004)
Maintenance Technician HVAC/Plumber /Physical Plant
A.A.S., Parkland College

STOERGER, John E. , Jr. (1986)
Maintenance Technician, HVAC/Physical Plant
Certificate, Lennox Training School
Certificate, Copeland Service Seminar
Certificate, Liebert Service Certification, MACS

STONE, Sara (2003)
IT Service Desk Coordinator/Campus Technologies
B.F.A., University of Illinois

STOUT, Virginia (1979)
Technical Services Assistant/Library
Certificate, Parkland College

STRACK, John (2002)
Maintenance Worker/Physical Plant

STRATER-PRICE, Gwen B. (1990)
Grants Accountant/Business Office
A.S., Parkland College
B.S., Eastern Illinois University

STREET, Dallas (2007)
Theater Marketing Coordinator and Business Manager/Fine and Applied Arts

TAYLOR, Anita (1998)
Office Assistant/Center for Academic Success
A.S., Parkland College
B.A., Eastern Illinois University

TAYLOR, Anthony (2005)
Custodian/Physical Plant

TAYLOR, Kristina M. (1998)
Advisor/Financial Aid
B.A., Eastern Illinois University
M.S.Ed., Eastern Illinois University

TAYLOR, Larry (1999)
Academic Advisor/Center for Academic Success
A.S., Parkland College
B.A., Eastern Illinois University
M.S.Ed., Eastern Illinois University

TESTORY, Nancy (2009)
Faculty Secretary/Social Sciences and Human Services
B.S., Eastern Illinois University

THOM, Jan R. (1988)
Student Development Advocate/ Center for Academic Success
A.A.S., Parkland College
B.S., University of Illinois
M.S.Ed., Eastern Illinois University

THOMAS, Julie (1994)
Secretary/Physical Plant

THOMPSON, Randy (2014)
Custodian/Physical Plant

THOMPSON, Richard S. (1995)
Coordinator of Multi Media Systems/ Distance and Virtual Learning
B.A., Columbia College

THORMAN, Kevin (2008)
Groundskeeper/Physical Plant

TICHENOR, Linda (2007)
Program Assistant/Student Life
B.A., DePauw University

TIEDEMANN, Mary Ann (2000)
International Student Services Advisor/ Admissions and Records
A.A.S., Parkland College
B.S., University of Illinois
M.S.Ed., Eastern Illinois University

TOLSTON, Eric (2010)
Custodian/Physical Plant

TRIMBLE, Carrie (2009)
Benefits Associate/Human Resources
B.A., Western Illinois University
M.B.A., Western Illinois University

VALENTINE, Debra (1995)
Head Teacher/Child Development Center
A.A.S., Parkland College
B.A., Eastern Illinois University

WALKER, Brian (2012)
Custodian/Physical Plant
Certificate, Parkland College
A.A.S., Parkland College

WARE, Gloria (2013)
Custodian/Physical Plant

WATTJES, Deanne (2002)
Accounts Payable Accountant/Business Office
A.A.S., Parkland College

WENDT, Lori L. (2000)
Online Support Specialist/Distance and Virtual Learning
A.A.S., Spoon River College
B.S., Western Illinois University
M.B.A., Eastern Illinois University

WHITE, Michelle (2002)
Selective Admissions Associate/Admissions and Records
A.A.S., Parkland College
B.A., Eastern Illinois University

WHITLEY, Steve (2004)
Custodian/Physical Plant

WILDER, William L. Jr. (2000)
Maintenance Electrician/Physical Plant

WILLIAMS, Pamela (2004)
Access Services Assistant II/Library
B.A., DePaul University

WILSON, Christopher (2002)
Administrative Assistant/Deans of Academic and Student Services

WILSON, Jesse (2012)
Custodian/Physical Plant

WINSTON, Johnny (2013)
Custodian/Physical Plant

WINTER, Benjamin (2000)
Network Engineer/Illinois Century Network

WOLFF, Bernie (2006)
Theatre Facility Director/Fine and Applied Arts
B.S., Southern Illinois University
M.F.A., University of Nebraska

WORBY, Lillian (Lily) (2013)
Grants Specialist/Grants and Contracts

WYATT, Bonnie (2015)
Telecommunicator/Public Safety

YOHNKA, Peggy (1996)
Administrative Assistant/Center for Excellence in Teaching and Learning
Certificate, Parkland College

YOUNG, Andrea Y. (1999)
Grants Coordinator/Workforce Development
B.S., University of Houston

ZAHRN, Brooke (2011)
Program Manager/Business Training

ZAVALA, Danielle (2015)
Assistant/Disability Services

ZIEGLER, Greg (2014)
Clerk/Bookstore

Confidential Staff

Date in parentheses indicates first year of appointment at Parkland College.

BAZZELL, LeAnn (2005)
Administrative Assistant/Vice President for Academic Services
A.A.S., Parkland College

BROOKS, Doug (2001)
Associate Director, Network Support Services/ Campus Technologies

BURGESS, Bonita L. (1989)
Associate Director/Public Safety
B.A., Eureka College

BURNS, Troy (2009)
Manager of Building and Grounds/Physical Plant

DONSBACH, David (2008)
Controller/Business Office
B.S., University of Illinois
M.B.A., University of Illinois

GARRETT, Krystal (2013)
Administrative Assistant/Vice President for Student Services

GREEN, Gordon D. (1994)
Associate Director, Programming Support Services/Campus Technologies
B.S., Illinois State University

JACOBSON, Martha (2013)
Employee Relations Coordinator/Human Resources
A.A.S., Parkland College

KEMNA, Nancy (1996)
Director/Child Development Center
B.S., University of Illinois
M.Ed., National-Louis University

KIEST, Diane M. (1985)
Manager/Bookstore

LEWIS, Melanie (2002)
Benefits Coordinator/Human Resources
A.S., Parkland College
B.S., University of Illinois

LUCAS, David (2014)
Business Manager/Aviation
B.S., University of Illinois
Commercial Pilot, Federal Aviation Administration
Flight Instructor, Federal Aviation Administration

LYTEL, Pamela M. (1992)
Associate Director/Financial Aid
Certificate, Parkland College
A.A.S., Parkland College
B.A., Eastern Illinois University

MACEDO, Connie L. (1998)
Associate Director, Technical Support Services/Campus Technologies
A.A.S., Parkland College
B.A., Eastern Illinois University
M.S., Eastern Illinois University

MOREFIELD, Joyce (2009)
Custodial Supervisor/Physical Plant

ROTZOLL, Jason (1999)
Associate Director/Admissions and Records
A.A., Parkland College
B.S., Illinois State University
M.Ed., University of Illinois

SCHMIDT, Betty (2000)
Payroll Manager/Business Office
A.A.S., Parkland College
B.A., Eastern Illinois University

VALENTINE, Hilary (1997)
Manager, Creative Services/Marketing and Public Relations
B.A., University of Illinois

WECKHORST, David (2007)
Manager/Print and Mail Services A.A.S., Parkland College
B.S., Eastern Illinois University
Certificate, Parkland

WILLAMON, Nancy (1999)
Assistant to the President/Board of Trustees

WILSON, Cynthia (2000)
Administrative Assistant/Vice President for Institutional Advancement
Certificate, Parkland College

ZEEDYK, Betty J. (1999)
Benefits Manager
A.A., Parkland College
B.S., University of Illinois
Certified Financial Planner, C.F.P.®
Certified Retirement Services Professional, C.R.S.P.

Public Safety Staff/Police

Date in parentheses indicates first year of appointment at Parkland College.

ALFONSO, John Paulo (2014)
Police Officer

BERMINGHAM, Benjamin (2008)
Police Officer
B.A., Eastern Illinois University

BOLTINGHOUSE, Benjamin (2013)
Police Officer
B.A., University of Illinois

BRAND, Jacob (2008)
Police Officer
A.S.A, Olney Central College

CORRAY, Angela D. (2001)
Police Sergeant

DAMERON, David B. (2009)
Police Officer
B.A., University of Illinois

FAVOT, Tom (2012)
Police Officer

FRICHTL, Duane F. (1991)
Police Sergeant

GRANITZ, Scott (2015)
Police Officer

KOPMANN, Matthew (2008)
Police Sergeant
A.A.S., Parkland College

OSTERHOLT, Drew (2014)
Police Officer
B.S., Illinois State University

PING, Jared P. (2009)
Police Officer
Certificate, Parkland College
A.A.S., Parkland College

Parkland College Foundation Board

James Ayers, president
Marjorie Williams, vice president
Nick Stokes, treasurer
Jill Arends
Ron Birkey
Anthony Cobb
Catherine Emanuel
Fred Giertz
Greg Knott
David Johnson
Scott Miller
Dan Noel
Gail Rost
Carol Scharlau
Joan Sensenbrenner
Charlie Shapland
Robert Cochran, ex officio
Donald Dodds, Jr., ex officio
Tom Ramage, ex officio
Ellen Schmidt, ex officio

Parkland College Theatre Advisory Board

David Dillman
Joi Hoffsommer
J.W. Morrissette
Dallas Street
Nancy Sutton
Bernard Wolff

Donna Hyland Giertz Gallery Board

Chris Berti, chair
Lisa Costello, gallery director
Leila Ghasempor, student, scholarship representative
Sandy Hynds
Jody Littleton
Umeeta Sadarangani
Ellen Schmidt, ex officio
Denise Seif
Peggy Shaw
Joan Stolz
Nancy Sutton
Matthew Watt

William M. Staerkel Planetarium Advisory Board

Terry Adcock
Kathy Bruce
Kristen Camp
Cindy Gumbel
Erik Johnson
James Kaler
Dave Leake, ex officio
Patty Lehn
Heidi Leuszler
Cindy Reynolds, ex officio
Waylena McCully, ex officio
Jill Quisenberry
Ellen Schmidt, ex officio
Whitney Stewart

Career Program Advisory Committees

Accounting

Beth Auterman

Partner
Clifton Larson Allen LLP
Champaign

Laura Barragan
General/Regulatory
Accounting Manager
Health Alliance Medical Plans, Inc.
Urbana

Jim Eisenmenger
Partner
Martin, Hood, Friese and
Associates, LLC
Champaign

Amy Hoose
Area Manager
Trillium
Danville

Bill Muirheid
Vice President of Finance
Hobbico
Champaign

Patrick Patterson
Controller and Senior Acct. VP,
Office of Business and
Financial Services
University of Illinois
Urbana

Dan Setters
Enrolled Agent/ABA
Accounting Plus Tax
Solutions, Inc.
Champaign

Lori Stewart
Corporate Director
Retail Accounting
Supervalu
Champaign
Lynette Strode
Senior VP
Dir. Financial Reporting
First Busey Corp.
Champaign

Agriculture

Crystal Allen
Homer

Steve Ayers
University of Illinois Extension
Champaign

Harry Brokish
Station Manager
Ag Reliant Genetics, LLC
Ivesdale

Joe Cannon
Illini FS
Camargo

Terry Cummings
Monticello

Nick Eisenmenger
Precision Agronomics
Tolono
Marvin Finfrock
Student
Kenny

Shelby Weckel Kaufman
Ehler Brothers Seed
Thomasboro

Fred Kolb

Professor
University of Illinois
Urbana

Megan Mumm
Farmer
White Heath

Josh Rund
United Prairie
Tolono

Vernon Rutledge
Sales Representative
AgroChem West
Saybrook

Dave Shenaut
Technical Support
Monsanto, Inc.
Mahomet

Automotive

Peter Alexander
Owner
Peter B's Automotive
Urbana
Ernie Jacobson
Service Manager
Worden-Martin
Champaign

Nick Elder
Dir., Champaign/Ford Educ.
for Employment System
Regional Office of Education
Champaign

Phil Mohr
Manager
Car Quest
Champaign

Brian McDonald
Owner
Myler Automotive
Champaign

Kevin O'Donnell
Service Manager
Sullivan-Parkhill
Champaign

Wayne Weber
General Manager
Worden-Martin, Inc.
Champaign

Automotive Collision Repair

Rob Huddleson
General Manager
Gerber Collision & Glass
Champaign
Fred Lopez
Sherwin-Williams

Scott Miller
Owner
Fifth Dimension Collision Repair
Champaign

Keith Pillischafske
Collision Manager
Sullivan Parkhill
Champaign

Steve Schmidt

Research Administrator
State Farm Insurance
Bloomington

Tim Tatman
Regional Manager
Tatman's Collision Repair
Champaign

Automotive/Ford ASSET

Karl Crapse
Rick Ridings Ford-Mercury
Monticello

Brad Ecker
Crown Ford
Hoopeston

Rick Elliott
Ford Motor Company
Downers Grove

Ryan Friis
Ford Motor Company
Downers Grove

Rocky Griffin
Dennison Ford
Bloomington

Jerry Hood
Arlington Heights Ford
Arlington Heights

Tom Houzenga
Yemm Ford
Galesburg

Nolan Katterman
Ford Motor Company
Downers Grove

Jim Kaufmann
Mangold Ford
Eureka

Charlie Lutz
Alumni

Steve Marrocco
Heller Ford
El Paso

Rick Ridings
Rick Ridings Ford-Mercury
Monticello

Mark Tondi
Green Finish Line Ford
Peoria

Jerry Williams
Bill Estes Ford
Brownsburg, IN

Business

Ann Flesor Beck
Flesor's Candy Kitchen
Tuscola

Marcy Buhrman
Store Manager
Chico's
Champaign

Tonya Hackler-Baylor
Vice President/Relationship Manager
First Busey Corporation
Urbana

Cynthia Chandler
Urbana Business Association
Urbana

Amy Hoose
Area Manager
Trillium
Champaign

Alicia Lowery
Human Resource Manager
University of Illinois Personnel Services
Champaign

Cornelius Meazyck
Manager
JC Penney
Champaign

Don Rasmus
Vice-President
First National Bank
Paxton

Charles Smith
Mayor
Village of Rantoul
Rantoul

Andrew Turner
Business Teacher
Monticello High School
Monticello

Laura Weis
Executive Director
Champaign County Chamber of Commerce
Champaign

Child Development

Jackie Buckingham
Early Head Start
Champaign

LouAnne Burton
Counselor
Child Care Resource Serv.
Urbana

Donna Coonce
ABC Program
Eastern Illinois University
Charleston

Nancy Kemna
Director
Parkland Child Development Center
Champaign

Kathy Littleton
Center Director
Happi House
Urbana

Brent McBride
Director, Faculty
U of I, Child Development Lab
Urbana

Carol Niemann
Director/Teacher
Little Lamb Nursery School
Champaign

Kelly Russell
Coordinator
Head Start
Champaign

Melanie Stimeling
Millikin University
Decatur

Karen Tarter
Alumna
First United Methodist Child Care Center
Champaign

Marsha Townsend
Licensing
D.C.F.S.
Savoy

Daniel Walsh
Faculty
U of I, College of Education
Urbana

Dianne Wilcoxon
Teacher
Unity High School
Tolono

Jeanne Williams
Teacher
Urbana High School
Urbana

Child Development Center

Tara Bailey
Assistant Director
Child Development Center
Parkland College
Champaign

LouAnn Burton
Child Care Resource Service
Urbana

Nancy Gaumer
Prog. Dir., Child Development
Parkland College
Champaign

Chris Gudauskas
Parent of former student
Assistant Teacher
Child Development Center
Parkland College
Champaign

Michael Hogue
Child Development Specialist
Head Start
Champaign

Nancy Kemna
Director
Child Development Center
Parkland College
Champaign

Amy Myers
Faculty
Parkland College
Champaign

Kelly Russell
Child Development Services Manager
Head Start
Champaign

Communication: Media

Corey Berkemann
General Manager
CU Radio Group
Champaign

Mike Haile
General Manager
WDWS/WHMS
Vice President
The News Gazette, Inc.
Champaign

Mark Landman
Producer/Director
PM Productions
Champaign

Mark Leonard
General Manager
WILL
Urbana

Mark Spaulding
Chief Engineer
Illini Radio Group
Champaign

Dave Schultz
Marketing Director
Horizon Hobby
Champaign

Communication: Photography

Chris Brown
Proprietor
Chris Brown Photography
Champaign

Mark Landman
Producer/Director
PM Productions
Champaign

Jason Liggett
Production Coordinator
Urbana Public Television
Urbana

Jason Lindsey
Photographer/Director
Jason Lindsey Photography
Chicago

Della Perrone
Owner/Photographer
Della Perrone Photography
Champaign

Construction Design and Management

Edward Clancy
Professional Land Surveyor
Berns, Clancy and Assoc.
Urbana

John Cooper
Engineer
Champaign Co. Highway Dept.

Jeff Crabtree
Engineering Technician
City of Champaign

Ed DeAtley
Construction Manager
Barber & DeAtley, Inc.
Urbana

Todd Horton
Prog. Dir., Construction Design and Management
Parkland College
Champaign

Mike Hynds
Construction Manager
English Bros. Construction
Champaign

John North
Construction Manager
Riley Homes
Urbana

Erik Paulson
New Prairie Construction
Urbana

John Peisker
Vice President
O'Neil Brothers Construction
Urbana

Mark Ritz
Architect
BLDD Architects, Inc.
Champaign

Craig Shonkwiler
Engineer
City of Urbana

Bill Seaman
General Contractor
Bill Seaman Construction
Champaign

Catherine Stalter
Dept. Chair, Engineering Science and Technologies
Parkland College
Champaign

Gregory Walburg
Associate Professor, Construction Design and Management
Parkland College
Champaign

Doug White
Engineer
Gleason, Hagen, Ramshaw and Associates
Champaign

Criminal Justice

Jim Clark
Champaign Police Dept.
Champaign

Vernon Frost
University of Illinois Police Dept.
Urbana

Joe Gordon
Dir., Court Services
Champaign Co. Courthouse
Urbana

Kirk Rogers
Illinois State Police
Pesotum

Dan Walsh
Sheriff, Champaign County
Urbana

Dental Hygiene

Lori Camacho

Dental Hygienist
Thomasboro

Barry Howell
Dentist
Urbana

Beth Puzey
Dental Hygienist
Sidell

Michele Spading
Vice Chair Student Affairs, Health Professions
Parkland College
Champaign

Susan Sweikar
Dental Hygienist
Champaign

Brooke Wacker
Dental Hygienist
Savoy

Martha Yallaly
Dentist
Champaign

Diesel Power Equipment Technology

Rich Anstrom
Birkey's Farm Store
Gibson City

Eric Broga
CU MTD
Urbana

Phil Fayhee
Birkey's Farm Store
Rantoul

Randy Fletcher
Dean, Career and Transfer Programs
Parkland College
Champaign

Brant Fountain
CIT Trucks
Champaign

Craig Hanlin
CIT Trucks
Champaign

Marcus Miller
TSC Trucks
Forrest

Randy Osterbur
Shaff Ford
Urbana

Roger Prather
Heaths Inc.
Monticello

Catherine Stalter
Dept. Chair, Engineering Science and Technologies
Parkland College
Champaign

Tom Vaughan
TSC Truck
Forrest

Mark Ziegler
Prog. Dir., Diesel Power
Parkland College
Champaign

Diesel Power: Case New Holland Service Technician

Rich Anstrom
Birkey's Farm Store
Gibson City

Cyndi Punke
Case IH
Burr Ridge

Phil Fayhee
Birkey's Farm Store
Bloomington

Will Hayes
Midwest Tractor
Vandalia

Michael Schmidt
Central Illinois Ag
Atlanta

Jared Godfrey
New Holland
Racine, WI

Tyler Wilson
Bane-Welker Equipment
Crawfordsville, IN

David Bosch
Shaff Implement
Urbana

Cathie Stalter
Department Chair
Parkland College
Champaign

Gordon Hedrick
Prog Dir., CNH
Parkland College
Champaign

Dietary Manager

Patti Baier
Knights-Templar Home
Paxton

Mary Davis
Unit 4 Schools
Champaign

Donna Erickson
Carle Foundation Hospital
Urbana

Anita Hall
Parkland College
Champaign

Carrie Harris
Parkland College
Champaign

Karla Kennedy-Hagan
Eastern Illinois University
Charleston

Jeff Kilar
Prog. Dir., Hospitality Program
Parkland College
Champaign

Gabbi Peters, MS, CDM
Country Health Care and Rehab
Gifford

Roberta Scholze
Dean, Health Professions
Parkland College
Champaign

Carol Shriver
Presence Covenant Medical Center
Urbana

Michele Spading
Vice Chair Student Affairs, Health Professions
Parkland College
Champaign

Digital Media

Barry Abrams
Designer/Developer
Surface 51
Champaign

Mark Allender
Principal Programmer
Volition, Inc.
Champaign

Gerry Guthrie
Professor
University of Illinois
Champaign

Marc Kirkland
Environmental Artist
Volition Inc.
Champaign

Geoff Leu
Graphics Engineer Manager
Frasca International, Inc.
Urbana

Jason Scott
Game Design
Volition, Inc.
Champaign

Kelly Snapka
Principal Artist
Volition, Inc.
Champaign

Jan Troutt
Vice President Publishing
Precision Graphics
Champaign

Mark Van Moer
Visualization Programmer
NCSA
Champaign

Paul Young
Professor, Art and Design
Parkland College
Champaign

Electronic Control Systems Technology

Karen Crewell
HR Manager
Frasca International Inc.
Urbana

Randy Fletcher
Dean, Career and Transfer Programs
Parkland College
Champaign

Mike Ingram
Owner
Mike Ingram Consulting
Sidney

Bryan Holderfield
Beckman Center
University of Illinois
Urbana

Frank Johnston
Electrical Inspector
City of Champaign

John Leap
Professor, Electronic Control Systems
Parkland College
Champaign

James Mansfield
Progr. Dir., Electronic Control Systems
Parkland College
Champaign

Todd Newsom
Frasca International Inc.
Urbana

Catherine Stalter
Dept. Chair, Engineering Science and Technologies
Parkland College
Champaign

Russel Strayer
President
DCB

Tom Tavenner
Engineer
Kraft General Foods
Champaign

William Thacker
Supervisor
Kraft General Foods
Champaign

Emergency Medical Service

Crystal Alexander
Kirby Ambulance
Monticello

Jerry Beckley
Medix Ambulance
Danville

Mary Butzow
EMS Educator
Presence Regional EMS
Urbana

Russell Chism
Division Chief
Urbana Fire
Urbana

Tim Compton
Director
Pro Ambulance Service
Champaign

Wade Hales, B.S.Ed., EMT-P
Program Director
Parkland College
Champaign

Joe Higgins
Gibson Area Ambulance
Gibson City

Jennifer Humer
Carle Regional EMS
Champaign

Bob Janson
Lab Instructor
Parkland College
Champaign

Sean Manuel
Student
Parkland College
Champaign

Dr. Lawrence Miller
EMS Medical Director
Presence Regional EMS
Urbana

Shelley Peelman
Presence Regional EMS
Urbana

Paul Pritts
Provena Critical Care Unit
Urbana

Roberta Scholze
Dean, Health Professions
Parkland College
Champaign

Eric Shaughnessy
Edgar County Special Service Ambulance
Paris

John Sollars
Operations Manager
Arrow Ambulance
Champaign

Michele Spading
Vice Chair Student Affairs, Health Professions
Parkland College
Champaign

Steve Sparrow
Medix Ambulance
Danville

Justin Stalter
EMS Coordinator-Educator
Carle Regional EMS
Champaign

Earl Stevens
Community survivor

Jared Vickers
Program Graduate/EMS Educator
Carle Regional EMS
Champaign

Irene Wadhams
Illinois Department of Public Health
Champaign

Dr. Brad Weir
EMS Medical Director
Carle Regional EMS
Champaign

Fire Service Technology

Michael Dilley
Urbana Fire Department (retired)
Punta Gorda, FL

David Ferber
Chief
Champaign Fire Department
Champaign

Lloyd Galey
Chief
Cornbelt Fire Protection District
Mahomet

Brian Nightlinger
Chief
Urbana Fire Department
Urbana

Graphic Design

John Bonadies
Principal and Creative Director
Bonadies Creative
Champaign

Vanessa Burgett
Graphic Designer
Krannert Center for the Performing Arts
Urbana

Jack Davis
Graphic Designer
Jack Davis Graphic Design
Champaign

Teresa Ellis
Senior Design Director
Surface 51
Champaign

Matt Hutton
Partner and Creative Director
Spinlight
Champaign

Heidi Kellner
Web Designer
Wolfram Research
Champaign

Gina Manola
Owner
Calico Kids
Urbana

Becky Oles
Art Resource Manager
Precision Graphics
Champaign

Dave Schultz
Senior Creative Director
Horizon Hobby
Champaign

Chris Sims
Graphic Designer
Horizon Hobby
Champaign

Thom Whitaker
Marketing Graphic Design Manager
Human Kinetics
Champaign

Heating, Ventilation, and Air Conditioning

Neal Asklund
Owner
A&R Mechanical
Champaign

Jim Connell
Customer Assurance Manager
The Habegger Corporation
Monmouth

Bruce Hinman
HVAC Technician
University of Illinois
Champaign

Paul Hohulin
Hohulin Construction and HVAC
Gibson City

Todd Horton
Prog. Dir., Construction Design and Management
Parkland College

Ed Hoveln
Owner
Hoveln Heating & Cooling, Inc.
Thomasboro

Rob Jamison
HVAC Technician
University of Illinois
Champaign

Jim Mansfield
Prog. Dir., Electronic Control Systems
Parkland College
Champaign

Flynn McCormick
McCormick Service
Urbana

Kevin Sage
Business Agent
Plumbers & Pipefitters Local Union 149
Champaign

Hospitality Industry: Restaurant/Hotel/Motel Management

Benjamin Grice
Food Service Director
University of Illinois
Urbana

Julie Irvin
General Manager
Country Inn & Suits
Champaign

William Myers
Owner
Franchise Mgt. Systems
Champaign

Brad Pierson
Instructor
Parkland College
Champaign

Beth Reutters
Director, Hospitality Program
University of Illinois
Urbana

Randy Tucker
Director of Operations
Franchise Mgt. Systems
Champaign

Jane Valentine
Instructor
Parkland College
Champaign

William Wagner
Instructor and former student
Rantoul

Industrial Technology

James Ayers
President
Central IL Manufacturing Co.
Bement

Tom Cech
Recruiter
Plastipak Packaging
Champaign

Ed Cler
President
Paul's Machine & Welding
Villa Grove

Rusty Ernst
Plant Manager
Conair Corp.
Rantoul

Gary Hinton
Human Resource Manager
Guardian West
Urbana

Steve Hood
Manager of Production
Frasca International
Urbana

John Ireland
Human Resource Manager
Plastipak Packaging
Urbana

Teresa Kelnhofer
Safety Director
Central IL Manufacturing Co.
Bement

Bill Thacker
Maintenance Supervisor
Kraft Foods
Champaign

Land Surveying

Ben Fisher
Professional Land Surveyor
City of Urbana

Todd Horton
Prog. Dir., Construction Design and Management
Parkland College
Champaign

Roger Meyer
Professional Land Surveyor
Berns, Clancy & Associates, P.C.
Urbana

Wes Meyers
Professional Land Surveyor
Farnsworth Group
Champaign

David Phillippe
Professional Land Surveyor
HDC Engineering, Inc.
Champaign

Landscape/Horticulture

Paula Blakely
Illini FS
Urbana

Andy Brennan
Turf Doctors
Ivesdale

Kathryn Fletcher
White Heath

Randy Hauser
Champaign Park District
Champaign

Carol Kamradt
Alumna
Champaign

John Karduck
City of Champaign
Champaign

Joel Kouski
Kouski Landscapes
Champaign

Kent Miles
Illinois Willows
Seymour

Jim Minott
Floral Manager
Blossom Basket
Champaign

Jim Schmidt
University of Illinois
Urbana

Lois Sjoken
former student
Rantoul

Patricia Stoffel
former student
Gifford

Massage Therapy

Theresa Bosch, RN, MS
Parkland College
Champaign

Michelle Boynton
Massage Therapist
Champaign

Lisa Dalbey
Massage Therapist
Champaign

Tamala Everett, BS, MS
Prog. Dir., Massage Therapy
Parkland College
Champaign

Cheryl Louviere
Massage Therapist
Champaign

Michelle Oakley
Massage Therapist
Urbana

Marilyn Ryan, BA, MS
Counseling/Advising
Parkland College
Champaign

Pamela-Alyse Shelley
Massage Therapist
Urbana

Michele Spading, RN, MSN
Vice Chair Student Affairs, Health Professions
Parkland College
Champaign

Marva Wright
Massage Therapist
Champaign

Medical Assisting

Julie Bowen, RN
Gibson Area Hospital
Gibson City

Jessica Burkybile, MSN, RN
Carle
Champaign

Marie Debs, RN
Kirby Medical Group
Monticello

Susan Finn, RN
Frances Nelson Health Center
Champaign

Sandy Fitzgerald
Christie Clinic
Champaign

Robin Hayden, CMA
Carle
Urbana

Rita Myles, RN, MS
Parkland College
Champaign

Jody Randolph, RN, BSN
Parkland College
Champaign

Sheila Roth, RN
Kirby Medical Group
Monticello

Sandra Sauer, RN, M.Ed.
Parkland College
Champaign

Jean Smith, RN
Christie Clinic
Champaign

Michele Spading, RN, MSN
Vice Chair Student Affairs, Health Professions
Parkland College
Champaign

Network Administrator/Support Specialist

Kelsey Angel

VP Project Management
Pavlov Media

Steve Barbee

Parkland College
Champaign

Doug Brooks
Assoc. Dir., Network Services
Parkland College
Champaign

Justin Hill
CTO
Prominic.NET, Inc.

Debbie Folks-Huber
Interim IT Manager / Web Dev. Specialist
(ISTC) / (PRI)
University of Illinois
Champaign

Amin Kassem
Chief Information Officer
Parkland College
Champaign

Connie Macedo
Assoc. Dir., Technical Support Services
Parkland College
Champaign

Dan Morrison
President
Simplified Computers
Champaign

MC Neal
Network Administrator
University of Illinois

Mike Roberts
Vice President | IT Infrastructure Manager
Busey Bank

Andrew Reynolds
Network Administrator
Frasca International, Inc.

Brett Willoughby
System Administrator
Farm Credit Services
Champaign

Tymothé E. Willis
President
Willis Computing Specialists, Inc.

Nursing Assistant — CNA

Pam Barham, RN
Clark-Lindsey Village
Urbana

Julie Bowen, RN
Gibson Area Hospital
Gibson City

Jamie Breeze, RN
Swann Special Care Center
Champaign

Dawn Burris, RN
C-U Regional Rehab Center
Savoy

Deb Ehman, RN
Gibson Area Hospital and Health Service
Gibson City

Diane Fink
Heartland Health Care
Paxton

Debbie Kleist, RN
Country Health Nursing Home
Gifford

Carol Langley, RN
Illinois Knights Templar Home
Paxton

Rita Myles RN, MS
Instructor, Health Professions
Parkland College
Champaign

Barb Reifsteck, RN
Heritage Manor
Gibson City

Gloria Valenti
Diversified Healthcare Services
Champaign

Nursing — RN

Rikki Brady, BSN, RN
Clark-Lindsey Village
Urbana

Diane Cousert, DNP, RN
Vice Chair, Nursing and Faculty Affairs, Health Professions
Parkland College
Champaign

Kristy Elder, RN
Gibson Area Hospital

Kathy Lewis, MSN, RN
Presence Home Care
Champaign
Lisa Malinowski, BSN, RN
Carle Foundation Hospital

Jim Roberts, MSN, RN
Associate Professor of Nursing
Parkland College
Champaign

Roberta Scholze , MSN, RN
Dean, Health Professions
Parkland College
Champaign

Michele Spading, MSN, RN
Vice Chair, Student Affairs, Health Professions
Parkland College
Champaign

Amy Workman, RN
Carle Foundation Hospital
Urbana

Occupational Therapy Assistant

Brenda Adolph, COTA/L
Carle Therapy Services
Urbana

Susan Bane, OTR/L

Private Practice
Sidney

Laura Bennett
Director
Developmental Services Center
Champaign

Sandra Durham, MS, OTR/L

Eastern Illinois Special Ed.
Charleston

Marcy Ferrell, COTA
Senior Program Director
Rehab Care
Amy Bonta Area

Beth Frerichs, OTR/L
Gibson Area Hospital
Gibson City

Daniel Kesler, MS, OTR/L
Illiana Healthcare
Danville

Tasha Mauzy, MS, OTR/L
Sarah Bush Lincoln Health Center
Mattoon

Kathy Rhoads, MSW, LCSW
Director
Circle of Friends Adult Day Center
Champaign

Rachel Spaide, MS, OTR/L, CLT-LANA, CBIS
Director of Rehab, Sports Medicine, and Wound Services
Saint Mary's Hospital
Decatur

Nancy Yeagle, OTR/L

Rural Champaign Co. Special Ed.
Rantoul

Office Professional

Lisa D. Carlson
Patient Experience/Patient Satisfaction Liaison
Carle Foundation Hospital
Urbana

Chris Carr
Senior Manager of Employment Services
Staff Human Resources
University of Illinois
Urbana

Jacquelyn Flowers
Manager of Employment Services
Staff Human Resources
University of Illinois
Urbana

Cindy Giertz
IT Manager
CITES
University of Illinois
Urbana

Gayle Huber
Assistant to the President
Health Alliance Medical Plans
Urbana

Erin Knight
Executive Assistant
Carle Foundation Hospital
Urbana

Alicia Lowery
Deputy Director of Employment Services
Staff Human Resources
University of Illinois
Urbana

Lori McDonald
PCCS Coordinator
Education for Employment System #330
Champaign

Sheri Shannon
Executive to the Board of Directors & CEO
University of IllinoisEmployees Credit Union
Urbana

Nancy Testory
Faculty Secretary
Parkland College
Champaign

Janet Ward
Executive Assistant
Health Alliance Medical Plans
Urbana

Personal Fitness Trainer

Garrett Arndt
President
Pursuit Institute
Champaign
Justin Barnhart
Dir., Personal Training
Mass Transit District
Champaign

Lindy Gault
Director
Transform Fitness
Champaign

Melinda Dragunek
Personal Trainer
Transform Fitness
Champaign

Jason Heinhold
Dir., Performance Enhancement
Carle Foundation Hospital
Urbana

Practical Nursing

Pam Barham, RN
Clark-Lindsey Village
Champaign

Heather Brucker, RN
Gibson Area Hospital
Gibson City

Kristy Elder, RN, BSN
Gibson Area Hospital
Gibson City

Jamie Breeze, RN
Swann Special Care Center
Champaign

Debbie Kleist, RN
Country Health Nursing Home
Gifford

Gloria Valenti
Diversified Healthcare Services
Champaign

Kathie Luth, RN
Presence Covenant Medical Center
Urbana

Programming — Database Management

Matt Fotzler
Software Engineer
Radius Custom Solutions Group
Champaign

Gordon Green
Assoc. Dir., Programming Support Services
Parkland College
Champaign

Bryan Hosack, PhD
Assistant Professor, Information Systems
Illinois State University
Normal

Terri Hunt
Modular Billing System Project Lead Analyst
Communications Data Group
Champaign

Peter Ping Liu, PhD
Professor, Technology
Eastern Illinois University
Charleston

Charles Schultz
Senior Database Coordinator
University of Illinois
Urbana

Debbie Vonnoy
Dir. of Research, Programming and Data Support
Carle Foundation Hospital
Urbana

Cheri Walch
Management Methods Analyst
University of Illinois
Urbana

Radiologic Technology

Tammy Cox
Clinical Coordinator
Parkland College

Delores Fernandez

Christie Clinic
Champaign

Joyce Flowers
Sarah Bush Lincoln Health Center
Mattoon

Tracey Gebhardt
Presence Covenant Medical Center
Urbana

Stacia Goings
Sarah Bush Lincoln Health Center
Mattoon

Bob Holbrook
Christie Clinic
Champaign

Rosemarie Jamison
Presence Covenant Medical Center
Urbana

Amandine Ledent
Christie Clinic
Champaign

Brian Lozier

Gibson Area Hospital
Gibson City

Nancy McEntire

Carle Foundation Hospital
Urbana

Kimberly Mills
Program Director
Parkland College

Dr. Kendall Newsome

Carle Foundation Hospital
Urbana

Jaime Richards
Kirby Hospital
Monticello

Angela Rosa
Christie Clinic
Champaign

Art Smallenberger
Sarah Bush Lincoln Health Center
Mattoon

Andy Swartzentruber
Gibson Area Hospital
Gibson City

Robin Vale
Presence Covenant Medical Center
Urbana

Tracy Young
Kirby Hospital
Monticello

Respiratory Care

Kelly Burdette, RRT
OSF St. Francis Medical Center
Peoria
Jennifer Compton

Presence Covenant Medical Center
Urbana

Judy Goff
Presence United Samaritans
Danville

Chad Goveia

BroMenn Regional Medical Center
Normal

Jane Hintzman

St. Joseph Medical Center
Bloomington

Sarah Higar

Decatur Memorial Hospital
Decatur
Andy Habing

St. Anthony's Memorial Hospital
Effingham

Elizabeth Johnson
Presence Covenant Medical Center
Urbana

Peggy Kaeb
Carle Foundation Hospital
Urbana
Mandy Kemp

Huey's Home Medical
Champaign

Sally McCoskey

St. Mary's Hospital
Decatur

Brent Ryherd
Sarah Bush Lincoln Health Center
Mattoon

Sharri Taylor

St. Joseph Medical Center
Bloomington

Maury Topolosky, MD
Program Medical Director
Christie Clinic
Urbana

William Vogel
Carle Foundation Hospital
Urbana

Surgical Technology

Trayce Bartley, RN
Advocate Bromenn
Normal

Emily Benting, CST
Carle Foundation Hospital
Urbana

Jane Brummer, RN
St Anthony's Medical Center
Marc Changnon
Public member
District Coordinator for Career Programs and Community Partnerships
Champaign Unit 4 School District
Champaign

Tove Christensen, CST
Hoopeston Hospital
Hoopeston

Tracey Griffet, CST
Presence Covenant Medical Center
Urbana

Holly Hankins, CST
St. Anthony's Hospital
Effingham

Dr. James Harms
Carle Foundation Hospital
Urbana

Mary Ann Hellwig, RN
Carle Foundation Hospital
Urbana

Sue Johnson, RN
Gibson Area Hospital
Gibson City
Joella Jones, CST

Carle Foundation Hospital
Urbana

Coleen LeCrone, CST
Kirby Hospital
Monticello

Lindsey Lewis, CST
Gibson Area Hospital
Gibson City

Elizabeth Nier, CST
Presence United Samaritans
Danville

Kacie Richey, RN
Sarah Bush Lincoln Health Center
Mattoon

Cheryl Rotramel, RN
Presence United Samaritans
Danville

Roberta Scholze
Dean, Health Professions
Parkland College
Champaign

Jejssica Shirazi, CST
Carle Foundation Hospital
Urbana

Barbara Vogelsang, RN
Presence Covenant Medical Center
Urbana

Theatre: Entertainment Technology

Gary Ambler
Member, Board of Directors
The Celebration Company
Urbana

Kay Bohannon Holley
Lecturer, University of Illinois
Member, Board of Directors
The Celebration Company
Urbana

Thomas V. Korder
Chair, Scenic Technology
Department of Theatre
University of Illinois
Urbana

J. W. Morrissette
Chair, Theatre Studies Program
Department of Theatre
University of Illinois
Urbana

Veterinary Technology

Larry Baker, DVM
ISVMA Representative
Northgate Pet Clinic
Decatur
Elizabeth Clyde, DVM
IVSMA Representative
Clyde's Animal Clinic
Mattoon

Alyssa Duncan, CVT
Veterinary Teaching Hospital
University of Illinois
Urbana

Alinda Higgins, CVT
Practice Manager
East Lake Hospital for Animals
Danville
Tricia Rinaldo, CVT
AbbVie
North Chicago

Adam Stern, DVM
University of Illinois
Urbana

Katalina Stuckey, CVT
Greenhaven Animal Clinic
San Jose

Kimberly Weber, DVM
Area Sales Manager
Zoetis Animal Health
Anchor

G. Robert Weedon, DVM, MPH
Champaign County Humane Society
Urbana

James Wentworth
University of Illinois
Urbana

Index

C

D

E

F

G

H

I

J

K

L

M

N

O

P

R

S

T

U

V

W

Profile

Parkland College Profile

College

Two-year, public community college, located in East Central Illinois. Founded in 1966, the college is situated on 255 acres.

Degrees Conferred

Associate in Arts; Associate in Science; Associate in Engineering Science; Associate in Fine Arts; Associate in Applied Science; Associate in General Studies; Certificate; and certain advanced degree programs are available through university partnerships.

Location

Champaign, Illinois. Champaign County population, 203,000, including students of the nearby University of Illinois. Conveniently located near Chicago, St. Louis, and Indianapolis, the college is accessible via Amtrak; Willard Airport; and Interstates 57, 72, and 74.

Students

Annual enrollment of approximately 21,637 credit students, including minority (29 percent) and international (4.8 percent) students.

Faculty

185 full-time tenure-track and over 400 part-time faculty, most with advanced degrees, extensive experience, and professional awards and affiliations.

Facilities

The campus has an award-winning architectural design with five instructional classroom-laboratory wings and an administrative wing interconnected and joined at the center. The new Student Union on the east side of campus offers a front door into Parkland. The S, T, and W instructional buildings are situated on the main campus, while Parkland College on Mattis is about one-half mile from the main campus. All facilities are handicapped accessible.

Library

Parkland College Library contains over 110,000 volumes, 150,000 electronic books, a wide variety of periodicals, and subscribes to numerous electronic online resources which are available 24/7.