CONSTRUCTION MANAGEMENT

CONSTRUCTION MANAGEMENT A.A.S.

Program Code: E.CDM.AAS

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

Graduation requirement — 63 semester hours

The Construction 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 SRV 211 with approval of a construction faculty advisor.
- Students planning to transfer should take MAT 124 instead of MAT 131. Select a math elective with advice from a construction faculty advisor.
- Students planning to transfer should take ENG 101 instead of ENG 111. Select a second communications course with advice from a construction faculty advisor.
- ENG 102 has a prerequisite of ENG 101.
- Students transferring to a four-year institution should plan their programs with a construction faculty advisor.
- Graduates of this program are eligible for direct entry into the Mid-America Carpenters Regional Council Joint Apprenticeship & Training Program.

Suggested Full-time Sequence

FALL *1st Semester*	*SPRING* *2nd Semester*	*SUMMER*
CIT 118	CAD 114	CIT 230
CIT 130	CAD 214	
CTC 132	CIT 111	
CTC 193	CIT 135	
MAT 131 *or* MAT 124*	ENG 111 *or* ENG 101 MAT 110 *or* MAT elec	
SRV 113		

FALL *3rd Semester*	*SPRING* *4th Semester*
CIT 212	CAD 132
CIT 213	CAD 232
COM 103 *or* COM 120 *or* ENG 102	CIT 215 CIT 216 CIT 236
PHY 120/129 *or* CHE 104	
SRV 211	

Required Program Courses (46 hours)		Cr. Hrs.
CAD 114	Introduction to AutoCAD (Computer-Aided Drafting)	2
CAD 132	Introduction to MicroStation	2
CAD 214	Building Information Modeling (BIM) with Revit	2
CAD 232	Civil Survey CAD Applications	2
CIT 111	Construction Materials I	3
CIT 118	Introduction to Construction	3
CIT 130	Construction Plan Fundamentals	3
CIT 135	Residential Building Systems	3
CIT 212	Commercial Facility Systems	3
CIT 213	Construction Materials II	3
CIT 215	Construction Cost Estimating	4
CIT 216	Construction Contract Administration	3
CIT 230*	Construction Field Experience	
or CIT 110	Introduction to Building and Construction Trades	2
CIT 236	Infrastructure Systems	3
CTC 132	Computer Basics I	1
CTC 193	Windows	1
SRV 113	Basic Surveying	3
SRV 211*	Construction Surveying	3

Required General Education Courses (17 hours)		
ENG 101	Composition I	
or ENG 111	Workplace Writing	3
COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	
or ENG 102*	Composition II	3
MAT 131	Applied Mathematics	
or MAT 124*	College Algebra	4
MAT 110	Business Mathematics	
or MAT elective		3
CHE 104	Chemistry of Everyday Life	4
or PHY 120	How Things Work	3
and PHY 129	How Things Work - Laboratory	1
Total Semester Credit Hours		*63*

INTERRUPTED SEQUENCE A.A.S.

Program Code: E.CDM.AAS

Associate in Applied Science (A.A.S.)
Graduation requirement — 63 semester hours

The following work-study sequence for the Construction 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 a construction faculty advisor.
- Students must complete a minimum of 12 credit hours of curriculum including CIT 111 and SRV 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 planning to transfer should take MAT 124 instead of MAT 131. Select a math elective with advice from a construction faculty advisor.
- Students planning to transfer should take ENG 101 instead of ENG 111. Select a second communications course with advice from a construction faculty advisor.
- ENG 102 has a prerequisite of ENG 101.
- Students transferring to a four-year institution should plan their programs with a construction faculty advisor.
- Graduates of this program are eligible for direct entry into the Mid-America Carpenters Regional Council Joint Apprenticeship & Training Program.

Suggested Full-time Sequence

FALL	*SPRING*	*SUMMER*
1st Semester	*2nd Semester*	Supervised Work Experience
CIT 118	CAD 114	
CIT 130	CAD 214	
CTC 132	CIT 111	
CTC 193	CIT 135	
MAT 131 *or* MAT 124*	ENG 111 *or* ENG 101	
SRV 113	MAT 110 *or* MAT elec	
FALL	*SPRING*	*SUMMER*
3rd Semester	*4th Semester*	Supervised Work Experience
Supervised Work Experience	Supervised Work Experience	CIT 230
FALL	*SPRING*	
5th Semester	*6th Semester*	
CIT 212	CAD 132	
CIT 213	CAD 232	
PHY 120/129 *or* CHE 104	CIT 215	
SRV 211	CIT 216	
COM 103 *or* COM 120 *or* ENG 102	CIT 236	

Required Program Courses (46 hours) **Cr. Hrs.**

CAD 114	Introduction to AutoCAD (Computer-Aided Drafting)	2
CAD 132	Introduction to MicroStation	2
CAD 214	Building Information Modeling (BIM) with Revit	2
CAD 232	Civil Survey CAD Applications	2
CIT 111	Construction Materials I	3
CIT 118	Introduction to Construction	3
CIT 130	Construction Plan Fundamentals	3
CIT 135	Residential Building Systems	3
CIT 212	Commercial Facility Systems	3
CIT 213	Construction Materials II	3
CIT 215	Construction Cost Estimating	4
CIT 216	Construction Contract Administration	3
CIT 230*	Construction Field Experience	
or CIT 110	Introduction to Building and Construction Trades	2
CIT 236	Infrastructure Systems	3
CTC 132	Computer Basics I	1
CTC 193	Windows	1
SRV 113	Basic Surveying	3
SRV 211*	Construction Surveying	3

Required General Education Courses (17 hours)

ENG 101	Composition I	
or ENG 111	Workplace Writing	3
COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	
or ENG 102*	Composition II	3
MAT 131	Applied Mathematics	
or MAT 124*	College Algebra	4
MAT 110	Business Mathematics	
or MAT elective		3
CHE 104	Chemistry of Everyday Life	4
or PHY 120	How Things Work	3
and PHY 129	How Things Work - Laboratory	1
Total Semester Credit Hours		*63*