

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	SPRING	SUMMER
<i>1st Semester</i>	<i>2nd Semester</i>	CIT 230
CIT 118	CAD 114	
CIT 130	CAD 124	
CTC 132	CIT 111	
CTC 193	CIT 135	
MAT 131 or	ENG 111 or	
MAT 124*	ENG 101	
SRV 113	MAT 110 or	
	MAT elec	
<i>FALL</i>	<i>SPRING</i>	
<i>3rd Semester</i>	<i>4th Semester</i>	
CIT 212	CAD 132	
CIT 215	CAD 232	
COM 103 or	CIT 257	
COM 120 or	CIT 216	
ENG 102	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 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
CIT 257	Construction Management Capstone	3
CTC 132	Computer Basics	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

CONSTRUCTION MANAGEMENT (CONT'D)

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

<i>FALL</i>	<i>SPRING</i>	<i>SUMMER</i>
1st Semester	2nd Semester	Supervised Work
CIT 118	CAD 114	Experience
CIT 130	CAD 214	
CTC 132	CIT 111	
CTC 193	CIT 135	
MAT 131 or	ENG 111 or ENG 101	
MAT 124*	MAT 110 or	
SRV 113	MAT elec	
<i>FALL</i>	<i>SPRING</i>	<i>SUMMER</i>
3rd Semester	4th Semester	Supervised Work
Supervised Work	Supervised Work	Experience
Experience	Experience	CIT 230
<i>FALL</i>	<i>SPRING</i>	
5th Semester	6th Semester	
CIT 212	CAD 132	
CIT 215	CAD 232	
PHY 120/129 or	CIT 257	
CHE 104	CIT 216	
SRV 211	CIT 236	
COM 103 or COM 120		
or ENG 102		

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 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
CIT 257	Construction Management Capstone	3
CTC 132	Computer Basics	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