SUPERVISION, CONSTRUCTION TECHNOLOGY (AAS)

Degree: Associate of Applied Science
Major: Construction Technology
Emphasis: Supervision
Program Code: 1372

The AAS degree in Construction Technology with an emphasis on Supervision is designed to prepare students for a wide range of opportunities in the Construction field that require management skills. The curriculum incorporates courses in building materials and testing, estimating, planning and scheduling, project management, and other supervisory and Essential Learning courses that develop management skills. Career options include obtaining a position as a purchasing estimator, salesperson, crew supervisor, or project manager in the field of construction.

For more information on what you can do with this major, visit CMU Tech's Programs of Study page.

All CMU/CMU Tech associate graduates are expected to demonstrate proficiency in specialized knowledge/applied learning, quantitative fluency, communication fluency, critical thinking, personal and social responsibility, and information literacy. In addition to these campus#wide student learning outcomes, graduates of this major will be able to:

1. Demonstrate the fundamental skill in the oral and written language as required to effectively communicate within the construction industry. (Communication Fluency)
2. Demonstrate blueprint reading skills, and the surveying skills necessary to function in the profession. (Specialized Knowledge)
3. Interpret, locate, organize and evaluate problems and tasks that arise in the building industry, solve these through the use of information resource skills necessary to the construction industry. (Critical Thinking)
4. Describe the scope and application of principle features of the field of study, including core practices in the construction industry. (Specialized Knowledge)
5. Demonstrate an understanding of OSHA construction-industry safety standards by identifying and reporting hazardous processes, applications, and actions commonly found on job sites

Requirements

Each section below contains details about the requirements for this program. Select a header to expand the information/requirements for that particular section of the program's requirements.

To print or save an overview of this program's information, including the program description, learning outcomes, requirements, suggested course sequencing (if applicable), and advising and graduation information, scroll to the bottom of the left-hand navigation menu and select "Print Options." This will give you the options to either "Send Page to Printer" or "Download PDF of This Page." The "Download PDF of This Page" option prepares a much more concise presentation of all program information. The PDF is also printable and may be preferable due to its brevity.

Institutional Degree Requirements

The following institutional degree requirements apply to all CMU and CMU Tech Associate of Applied Science (AAS) degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours minimum.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/CMU Tech.
- 2.00 cumulative GPA or higher in all CMU/CMU Tech coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, and credit for prior learning, is limited by the institutional residency requirements for an associate of applied science degree.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

Specific to this degree:

- 63 semester hours total for the AAS, Construction Technology, Supervision.

Essential Learning Requirements

(15 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

Code	Title	Semester Credit Hours
Communication		
ENGL 111	English Composition I-GTCO1	3
Select one of the following:		3
ENGL 112	English Composition II-GTCO2	
SPCH 101	Interpersonal Communication	
SPCH 102	Speechmaking	
Mathematics		
MATH 107	Career Math	3
Other Essential Learning Core Courses		
ECON 201	Principles of Macroeconomics-GTSS1	3

Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course	3
Total Semester Credit Hours	**15**

Other Lower Division Requirements

Code	Title	Semester Credit Hours
Wellness Requirement		
KINE 100	Health and Wellness	1
Select one Activity course		1
Total Semester Credit Hours		**2**

Program Specific Degree Requirements

(46 semester hours, must earn a "C" or better in each course)

Code	Title	Semester Credit Hours
Core Courses		
CONC 101	Construction Safety and Regulations	3
CONC 104	Architectural/Civil Print Reading	2
CADT 106	Computer Aided Design	3
CONC 116	Building Materials	3
CONC 117	Building Materials Testing	3
CONC 161	Building Mechanical/Electrical	3
CONC 208	Construction Equipment	3
CONC 222	Site Layout	3
CONC 228	Estimating and Cost Control	3
CONC 234	Commercial/Industrial Plans	2
CONC 245	Project Management	3
CONC 251	Construction Prep: Codes, Permits	3
CONC 265	Planning and Scheduling for the Construction Supervisor	3
Total Semester Credit Hours		**37**

Code	Title	Semester Credit Hours
Restricted Electives		
Select 9 semester hours of the following:		9
CADT (Instructor Advice)		
CONC (Instructor Advice)		
ACCT 201	Principles of Financial Accounting	
MANG 201	Principles of Management	
HRMA 371	Human Resource Management	
BUGB 351	Business Law I	
BUGB 352	Business Law II	
CHEM 121 & 121L	Principles of Chemistry-GTSC1 and Principles of Chemistry Laboratory-GTSC1	
PHYS 111 & 111L	General Physics I-GTSC1 and General Physics I Laboratory-GTSC1	
STAT 200	Probability and Statistics-GTMA1	
MARK 231	Principles of Marketing	
FLAS Spanish		
Total Semester Credit Hours		**9**

Suggested Course Plan

First Year		
Fall Semester		**Semester Credit Hours**
ENGL 111	English Composition I-GTCO1	3
MATH 107	Career Math	3
CONC 101	Construction Safety and Regulations	3
CONC 104	Architectural/Civil Print Reading	2
CONC 116	Building Materials	3
KINE 100	Health and Wellness	1
KINA 1XX	Activity	1
	Semester Credit Hours	**16**
Spring Semester		
Select one of the following:		3
ENGL 112	English Composition II-GTCO2	
SPCH 101	Interpersonal Communication	
SPCH 102	Speechmaking	
CONC 117	Building Materials Testing	3
CONC 222	Site Layout	3
CONC 161	Building Mechanical/Electrical	3
CONC 208	Construction Equipment	3
CONC 234	Commercial/Industrial Plans	2
	Semester Credit Hours	**17**
Second Year		
Fall Semester		
Social Sciences, Natural Science, Fine Arts or Humanities		3
ECON 201	Principles of Macroeconomics-GTSS1	3
CONC 228	Estimating and Cost Control	3
CONC 251	Construction Prep: Codes, Permits	3
CONC 265	Planning and Scheduling for the Construction Supervisor	3
	Semester Credit Hours	**15**
Spring Semester		
CONC 245	Project Management	3
Restricted Elective		3
Restricted Elective		3
Restricted Elective		3
CADT 106	Computer Aided Design	3
	Semester Credit Hours	**15**
	Total Semester Credit Hours	**63**

Advising and Graduation

Advising Process and DegreeWorks

Documentation on the pages related to this program is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for their intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and

should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found on the Graduation web page.

If a student's petition for graduation is denied, it will be their responsibility to apply for graduation in a subsequent semester. A student's "Intent to Graduate" does not automatically move to a later graduation date.