

Industrial Technology (AAS)

Civil & Construction Technology Option

Degree Type: Associate of Applied Science Degree

Division: Business, Education, Math, Science & Technology

Purpose: Career and Technical Education. This option in the Industrial Technology program focuses on computer-aided drafting, surveying, general contracting and other civil and construction-related areas. This degree option prepares students for entry-level employment and a foundation for future advancement in civil engineering, construction or surveying, as well as entry into a university-level technology program. The option includes an internship for on-the-job training with area companies.

FIRST YEAR

Fall Semester			Hours	✓
ENGL	105 ⁽¹⁾	Technical Writing –or– College Writing	3	
ENGL	111 ⁽¹⁾			
CIVL	106 ⁽¹⁾	Technical Math I ⁽²⁾	3	
CIVL	118	Materials & Methods of Construction	3	
IST	100	Computer Literacy	3	
ENGR	110	Engineering Graphics	3	
TOTAL HOURS			15	

Spring Semester			Hours	✓
SCOM	110 ⁽¹⁾	Public Speaking	3	
PHYS	100	Survey of Physics	3	
GOVT	121 ⁽¹⁾	National and State Government	3	
CIVL	107	Technical Math II ⁽²⁾	3	
CIVL	116	Surveying I	3	
TOTAL HOURS			16	

Summer Term			Hours	✓
MAFT	297	Internship ⁽³⁾	6	
TOTAL HOURS			6	

SECOND YEAR

Fall Semester			Hours	✓
ELEC	115	Applied DC & AC Circuits –or– Computers in Surveying	3	
CIVL	236		4	
CIVL	208	Mechanical & Electrical Systems	3	
CIVL	216	Surveying II	3	
CIVL	228	Civil Drafting	3	
MAFT	258	Engineering Economy	3	
TOTAL HOURS			15-16	

Spring Semester			Hours	✓
CIVL	218	General Contracting	3	
CIVL	215	Residential Design	4	
CIVL	219	Estimating	3	
CIVL	226	Legal Principles of Surveying	3	
CIVL	198	Seminar	1	
TOTAL HOURS			14	

⁽¹⁾Course has prerequisite or placement requirements.

⁽²⁾Students planning to transfer to a 4-year institution should substitute MATH 163, MATH 164 or MATH 170.

⁽³⁾Students with extensive full-time industry experience and instructor approval may substitute six credit hours of approved coursework.