

# Industrial Technology (AAS)

## Drafting 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 the knowledge and skills necessary for success in the computer-aided drafting field. This degree option prepares students for entry-level employment and a foundation for future advancement in the architectural, civil and manufacturing industries. The option includes an internship for on-the-job training with area companies.

### FIRST YEAR

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

Spring Semester			Hours	✓
SCOM	110 <sup>(1)</sup>	Public Speaking	3	
PHYS	100	Survey of Physics	3	
CIVL	116	Surveying I –or–	3	
MAFT	235	Manufacturing Processes		
CIVL	107	Technical Math II <sup>(2)</sup>	3	
CIVL	198	Seminar	1	
CIVL	215 <sup>(1)</sup>	Residential Design	4	
<b>TOTAL HOURS</b>			<b>17</b>	

### SECOND YEAR

Fall Semester			Hours	✓
GOVT	121 <sup>(1)</sup>	National and State Government	3	
CIVL	228 <sup>(1)</sup>	Civil Drafting	3	
CIVL	236	Computers in Surveying –or–	4	
MAFT	255	Hydraulics & Pneumatics		
MAFT	258	Engineering Economy	3	
MEDR	237 <sup>(1)</sup>	Mechanical CAD	3	
<b>TOTAL HOURS</b>			<b>15-16</b>	

Spring Semester			Hours	✓
MEDR	240 <sup>(1)</sup>	Technical Illustration	3	
MEDR	246 <sup>(1)</sup>	Computer Aided Machining	3	
MAFT	228	Quality Assurance	3	
MAFT	297	Internship <sup>(3)</sup>	6	
<b>TOTAL HOURS</b>			<b>15</b>	

<sup>(1)</sup>Course has prerequisite or placement requirements.

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

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