

# ENGINEERING TECHNOLOGY

## Associate in Applied Science

Prescribed Technical Program	51
General Education	15-18
<b>Total Degree Credits</b>	<b>66-69</b>

Course	Title	Credits
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**1<sup>st</sup> Year**

**Fall Semester**

**Prescribed Technical Program Requirements**

CAD 201	Fundamentals of Graphical Communication	3
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**General Education Courses**

Arts & Humanities/Social & Behavioral Sciences		
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PSYC 100	Human Relations In Organizations (Required)	3
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Written or Oral Communications		
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ENGL 110	College Composition I (Required)	3
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Business, Math, Science & Technology		
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CSCI 101	Introduction to Computers (or higher level CSCI course required)	3
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Business, Math, Science & Technology		
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Select one of the following:		3-6
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MATH 107	Pre-Calculus	
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MATH 165	Calculus I	
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MATH 103 & MATH 105	College Algebra and Trigonometry <sup>1</sup>	
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Credits		15-18
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**Spring Semester**

**Prescribed Technical Program Requirements**

CAD 212	Introduction to Building Modeling (Spring only)	3
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CT 151	Spreadsheets for Engineering Technology and Surveying (Spring only)	1
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CT 251	Materials Testing (Spring only)	3
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CT 251L	Materials Testing Lab (Spring only)	1
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ENGR 204	Surveying I (Spring only)	3
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ENGR 204L	Surveying I Lab (Spring only)	1
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GIS 105	Fundamentals of Geographic Information Systems	3
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**General Education Course**

Written or Oral Communications		
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ENGL 125	Introduction to Professional Writing (Required)	3
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Credits		18
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**2<sup>nd</sup> Year**

**Fall Semester**

**Prescribed Technical Program Requirements**

CAD 213	Introduction to Civil Drafting (Fall only)	3
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CT 228	Boundary and Cadastral Surveying (Fall only)	3
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CT 250	Applied Statics and Mechanics of Materials (Fall only)	3
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CT 250L	Applied Statics and Mechanics of Materials Lab (Fall only)	1
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ENGR 205	Surveying II (Fall only)	3
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ENGR 205L	Surveying II Lab (Fall only)	1
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GIS 107	GIS Applications	3
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Credits		17
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**Spring Semester**

**Prescribed Technical Program Requirements**

CT 219	Introduction to Planning & Development (Spring only)	2
CT 225	Land Descriptions (Spring only)	2
CT 229	Advanced Boundary Surveying (Spring only)	2
CT 234	Water Management Technology (Spring only)	3
CT 234L	Water Management Technology Lab (Spring only)	1
CT 252	Construction Project Management (Spring only)	3
COMM 110	Fundamentals of Public Speaking (Required)	3
Credits		16
Total Credits		66-69

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MATH 103 and MATH 105 are required as a pair to satisfy this degree requirement; if either MATH 107 or MATH 165 are not chosen.

**Transfer Option** - Students who may possibly pursue a four-year degree in Engineering at a later date should consider the following course changes:

**Substitute:** ENGR 201 Statics (3 credits) and ENGR 203 Mechanics of Materials (3 credits) for CT 250 and CT 250L Applied Statics and Mechanics/Lab (3/1 Credits). Students should consult with the Engineering Technology program coordinator prior to this substitution.

College Degree Requirements

General Education & Diversity Course Matrix Requirements