

ENGINEERING TECHNOLOGY

Associate in Applied Science

Prescribed Technical Program	51
General Education	15-18
Digital Literacy	
Total Degree Credits	66-69

Prescribed Technical Program Requirements

CAD 201	Fundamentals of Graphical Communication	3
CAD 212	Introduction to Building Modeling (Spring only)	3
CAD 213	Introduction to Civil Drafting (Fall only)	3
COMM 110	Fundamentals of Public Speaking	3
CT 151	Spreadsheets for Engineering Technology and Surveying (Spring only)	1
CT 219	Introduction to Planning & Development (Spring only)	2
CT 225	Land Descriptions (Spring only)	2
CT 228	Boundary and Cadastral Surveying (Fall only)	3
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 250	Applied Statics and Mechanics of Materials (Fall only)	3
CT 250L	Applied Statics and Mechanics of Materials Lab (Fall only)	1
CT 251	Materials Testing (Spring only)	3
CT 251L	Materials Testing Lab (Spring only)	1
CT 252	Construction Project Management (Spring only)	3
ENGR 204	Surveying I (Spring only)	3
ENGR 204L	Surveying I Lab (Spring only)	1
ENGR 205	Surveying II (Fall only)	3
ENGR 205L	Surveying II Lab (Fall only)	1
GIS 105	Fundamentals of Geographic Information Systems	3
GIS 107	GIS Applications	3
	Total Credits	51

General Education Requirements

Arts & Humanities/Social & Behavioral Sciences

General Education Matrix (Arts & Humanities/Social & Behavioral Sciences)	3
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Business, Math, Science & Technology

CSCI 101	Introduction to Computers (or higher level CSCI course required) ²	3
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Select one of the following:	3-6
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MATH 103 & MATH 105	College Algebra and Trigonometry ¹
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MATH 107	Pre-Calculus
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MATH 165	Calculus I
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Written or Oral Communications

ENGL 110	College Composition I	3
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ENGL 125	Introduction to Professional Writing	3
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Total Credits	15-18
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Digital Literacy Requirements

Select one of the following:

CSCI 101	Introduction to Computers ²
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CIS 147	Principles of Information Security ²
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BSC Approved Training Course

NDUS Institution Approved Training Course

NDUS Institution Designated Digital Literacy Course

1

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.

2

CSCI 101, CIS 147 or courses transferred in from another NDUS Institution that are listed as both general education and digital literacy may satisfy both requirements upon successful completion.

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 & Digital Literacy Requirements

General Education & Diversity Course Matrix Requirements