

# ENGINEERING TECHNOLOGY

## Associate in Applied Science

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

### 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
	<b>Total Credits</b>	<b>51</b>

### General Education Requirements

<i>Arts &amp; Humanities/Social &amp; Behavioral Sciences</i>		
General Education Matrix (Arts & Humanities/Social & Behavioral Sciences)	3	
<i>Business, Math, Science &amp; Technology</i>		
CSCI 101	Introduction to Computers (or higher level CSCI course required) <sup>2</sup>	3
Select one of the following:		3-6
MATH 103 & MATH 105	College Algebra and Trigonometry <sup>1</sup>	
MATH 107	Pre-Calculus	
MATH 165	Calculus I	
<i>Written or Oral Communications</i>		
ENGL 110	College Composition I	3
ENGL 125	Introduction to Professional Writing	3
	<b>Total Credits</b>	<b>15-18</b>

### Digital Literacy Requirements

Select one of the following:	
CSCI 101	Introduction to Computers <sup>2</sup>
CIS 147	Principles of Information Security <sup>2</sup>

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