

Engineering Technology

Associate in Applied Science

Faculty Contact:
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The Engineering Technology curriculum is for those individuals who desire to apply established scientific and engineering knowledge to the solutions of industrial problems. Graduates often work for major technological companies in areas which deal with application, manufacturing, implementation, engineering operating, sales and production. They are often the “implementers” of design and plans. Engineering technicians usually work as part of a team with the craftsman and the engineer, working closest to the engineer in the duties and responsibilities. Graduates with an associate’s degree often continue on to complete a bachelor’s degree and become engineering technologists. *Note: This degree is designed to transfer into three different bachelor’s degrees in engineering technology at Western Michigan University, Engineering Design Technology (EDT), Manufacturing Engineering Technology (MFT), or Engineering Management Technology (UEM).

Communications	Prerequisites (Minimum Grade of C Required)
<input type="checkbox"/> ENGL 103 or ENGL 103W	CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> SPEE 104	CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed),
Mathematics	Prerequisites (Minimum Grade of C Required)
<input type="checkbox"/> MATH 127	MATH 101 or test scores
<input type="checkbox"/> MATH 136	MATH 127 or test scores
<input type="checkbox"/> MATH 131	MATH 127 or test scores
<input type="checkbox"/> MATH 141	MATH 131 and 136 or test scores
Natural Science	Prerequisites (Minimum Grade of C Required)
<input type="checkbox"/> CHEM 100	MATH 101 or MATH 102 or test scores (concurrent enrollment allowed); CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> CHEM 101	MATH 127 (concurrent enrollment allowed); CHEM 100 or one year of high school chemistry with minimum grade of B taken within last 5 years, or test scores; CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> PHYS 101 or PHYS 201	PHYS 101: MATH 131 and MATH 136; PHYS 201: MATH 141
<input type="checkbox"/> PHYS 102 or PHYS 202	PHYS 102: PHYS 101; PHYS 202: PHYS 201
Social Science	Prerequisites (Minimum Grade of C Required)
<input type="checkbox"/> ECON 202	MATH 101 or MATH 102 or test scores
<input type="checkbox"/> POSC 201 or AREA III Elective	See Course Descriptions for required prerequisites
Humanities	Prerequisites (Minimum Grade of C Required)
<input type="checkbox"/> HUMA 210 or Area I Elective	See Course Descriptions for required prerequisites
Core Classes	Prerequisites (Minimum Grade of C Required)
<input type="checkbox"/> CADD 101	None
<input type="checkbox"/> CADD 104	INTE 140; CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed); MATH 098 or test scores (concurrent enrollment allowed)
<input type="checkbox"/> INTE 126	CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> INTE 140	CRIT 103 or CRIT 103W or test scores (concurrent enrollment allowed)
<input type="checkbox"/> PHED 103	None
<input type="checkbox"/> Area II Elective	See Course Descriptions for required prerequisites
<input type="checkbox"/> WMU Elective	See Course Descriptions for required prerequisites

First Semester		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
CADD 101	Intro to CAD/ Auto CAD	4
ENGL 103 or ENGL 103W	Freshman English II or Freshman English II w/ workshop	3-4
INTE 140	Blueprint Reading	2
MATH 136	Precalculus Algebra	4
SPEE 104	Intro to Human Communication	3
	Total Credits	16-17

Second Semester		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
CADD 104	Engineering Graphics II	4
CHEM 101	General Chemistry I	5
MATH 131	Precalculus Trigonometry	3
POSC 201 or Area III Elective	American Government or Area III Elective	3
	Total Credits	15

Third Semester		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
INTE 126	Intro to Manufacturing Systems	3
MATH 141	Analytical Geometry/ Calculus I	4
PHYS 101 or PHYS 201	Introductory Physics I or General Physics I	5
HUMA 210 or Area I Elective	Intro to Non-Western Civilization or Area I elective	3-4
	Total Credits	15-16

Fourth Semester		
<i>Course ID</i>	<i>Course Name</i>	<i>Credits</i>
PHYS 102 or PHYS 202	Introductory to Physics II or General Physics II	5
ECON 202	Microeconomics	3
PHED 103	Life Wellness	2
	Area II Elective	3-4
	WMU Elective	4
	Total Credits	17-18

<i>Area I Electives</i>	<i>Area II Electives</i>	<i>Area III Electives</i>	<i>WMU Electives</i>
ART 110, 148, 203, 204	ENGL 231, 232, 241, 251, 256, 282, 291, 292	HIST 201, 202	ACCO 201 (UEM)
ENGL 223	HIST 101, 102	HUMA 202	MATH 142 (EDT)
HUMA 204, 205	PHIL 101, 201, 210		
MUSI 110, 111			

Total Program Credits = 63-66
Courses taken out of sequence may delay a student's ability to complete the program in a timely manner