

Engineering Technology ET33

Type

Associate of Applied Science, AAS

The Engineering Technology Program is intended to provide the opportunity for students to explore a career in engineering at the professional level. Program graduates will receive an Associate of Applied Science degree in Engineering Technology, qualifying them as engineering technicians with a specialization in mechanical engineering technology or electrical engineering technology.

Other conditions for Admission

MATH 1111, College Algebra, is a prerequisite course for MATH 1113, Precalculus

Select one of the following Specializations:

- Electrical Engineering, 8E13
- Industrial Engineering Technology, 8I23
- Mechanical Engineering Technology, 8ME3

Area I - Language Arts/Communications — 3.00 Hours

Item #	Name	Credits
ENGL 1101	Composition and Rhetoric	3

Area II - Social/Behavioral Sciences — 3.00 Hours

* Choose one of the following:

Item #	Name	Credits
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3

Area III - Natural Sciences/Mathematics — 3.00 Hours

Item #	Name	Credits
MATH 1113	Precalculus	3

Area IV - Humanities and Fine Arts — 3.00 Hours

* Choose one of the following:

Item #	Name	Credits
MUSC 1101	Music Appreciation	3
ARTS 1101	Art Appreciation	3

Additional General Education — 4.00 Hours

Item #	Name	Credits
MATH 1131	Calculus I	4

Occupational Courses — 21.00 Hours

Item #	Name	Credits
DFTG 2010	Engineering Graphics	4
ENGL 1102	Literature and Composition	3
ENGL 1105	Workplace and Technical Communications	3
PHYS 1111	Introductory Physics I	3
PHYS 1111L	Introductory Physics I Lab	1
PHYS 1112	Introductory Physics II	3
PHYS 1112L	Introductory Physics Lab	1
SPCH 1101	Public Speaking	3

Chemistry Course — 4.00 Hours

* Choose one of the following courses and the corresponding lab:

Item #	Name	Credits
CHEM 1151	Survey of Inorganic Chemistry	3
CHEM 1151L	Survey of Inorganic Chemistry Lab	1
CHEM 1211	Chemistry I	3
CHEM 1211L	Chemistry Lab I	1

Electrical Engineering Technology 8EI3 — 23.00 Hours

Item #	Name	Credits
ENGT 1000	Introduction to Engineering Technology	3
ECET 1101	Circuit Analysis I	4
ECET 2101	Circuit Analysis II	4
ECET 1110	Digital Systems	4
ECET 2120	Electronic Circuits	4
MATH 1132	Calculus II	4

Industrial Engineering Technology, 8I23 — 24.00 Hours

Item #	Name	Credits
ACCT 1100	Financial Accounting I	4
MATH 1127	Introduction to Statistics	3
MEGT 1010	Manufacturing Process	3
MEGT 1321	Machining and Welding	2
	Guided Electives - 9 Credit Hours	9

Mechanical Engineering Technology, 8ME3 — 22.00 Hours

Item #	Name	Credits
MATH 1132	Calculus II	4
DFTG 2020	Visualization and Graphics	3
ENGT 1000	Introduction to Engineering Technology	3
	MET Occupation Courses - minimum 9 credits	9
	Guided Electives 3+	3
	Minimum Credit Hours for Graduation	63