

ENGINEERING TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE



Plan of Study

3ENGR

First Year

First Term		Credits
ENGL 1301	Composition I	3
ELPT 1311 or CETT 1302	Basic Electrical Theory or Electricity Principles	3
ENTC 1271	Introduction to Engineering Technology ¹	2
ENTC 1347	Safety and Ergonomics	3
MATH 1314	College Algebra	3
Credits		14

Second Term

DFTG 1313	Drafting for Specific Occupations ²	3
INTC 1307	Instrumentation Test Equipment	3
RBTC 1305	Robotic Fundamentals	3
MATH 1316 or MATH 2412	Plane Trigonometry or Pre-Calculus Math	3
Social and Behavioral Sciences		3
Credits		15

Summer Year One Term

Select one of the following:		4
SCIT 1418	Applied Physics	
PHYS 1301 & PHYS 1101	College Physics I (lecture) and College Physics I (lab)	
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab)	
Credits		4

Second Year

First Term		
ENTC 1343	Statics ³	3
METL 1401	Introduction to Metallurgy	4
INMT 1319	Manufacturing Processes	3

QCTC 1243	Quality Assurance	2
Credits		12
Second Term		
ENTC 1323	Strength of Materials	3
ENTC 2380	Cooperative Education - Engineering Technology, General	3
MFGT 1302	Introduction to Automated Manufacturing	3
Select one of the following:		3
SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Speech	
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
Credits		15
Total Credits		60

Capstone Experience: ENTC 2380 Cooperative Education – Engineering Technology, General

¹ Students who have successfully completed ENGR 1201 Introduction to Engineering may use ENGR 1201 Introduction to Engineering to fulfill this requirement.

² Students who have successfully completed ENGR 1304 Engineering Graphics I may use ENGR 1304 Engineering Graphics I to fulfill this requirement.

³ Students who have successfully completed ENGR 2301 Engineering Mechanics - Statics may use ENGR 2301 Engineering Mechanics - Statics to fulfill this requirement.