

ENGINEERING TECHNOLOGY (ENGT)
COLLEGE OF TECHNOLOGY, ARCHITECTURE and APPLIED ENGINEERING

Fall 2014

B.S. In Engineering Technology

Courses Required For Major		Other Required Courses for ENGT		BG Perspective Core Courses**
Cooperative Education	12	University	27-30	
TECH 2890 Co-op	4	ENG 3880 (or ENG 2900*)	3	GSW 1120
TECH 3890 Co-op	4	Tech 3020*	3	Natural Sciences #
TECH 4890 Co-op	4	MATH 1280 or 1300 or Equiv.*	3-5	
		MATH 1310 or 1340+1350*	5-6	
Engineering Tech. Core	48	PHYS 2010* or 2110*	5	
ECET 1960 Electrical-Electronic Systems	3	PHYS 2020* or 2120*	5	
OR ECT 1910 Energy, Power, Instrument & Contl	3	COMM 1020 or 3060	3	Quantitative Literacy (Group C or E or A Rec.)
ENGT 1020 Intro to Desn & Eng Mgmt	3			
ENGT 1100 Computer Aided Design	3	Business	9	
ENGT 2100 Solid Modeling	3	STAT 2000 or higher*	3	Humanities & Arts #
ENGT 2200 MET Materials & Processes	3	ECON 2000*	3	
ENGT 2400 Statics	3	MGMT 3050	3	
ECET 3100 Programmable Logic Controllers	3			
ENGT 3200 CAM & Rapid Prototyping	3	Electives (Non tech only)	3	Social & Behavioral Sciences #
ENGT 3250 Sustainable Technologies	3			
ENGT 2300 Fluid Power Transmission	3			
ENGT 3400 Props. And Test. Of Eng. Materials	3			
ENGT 3500 Metrology and GD&T	3			Cultural Diversity in U.S. #
QS 3550 Foundations of Lean	3			
QS 3710 Six Sigma Systems	3			
TECH 4800 Dynamics	3			Core Elective #
Select only one Specialization				
Mechanical Design	9			
ENGT 2250 Machine Design	3			
ENGT 4000 Adv Modeling, Sim & Analysis	3			
ENGT 4500 Design Methodologies	3			
Quality Systems ##	9			
QS 3700 Quality Change Services	3			
QS 4600 Synchronous Quality Planning	3			
QS 4700 Kaizen Project	3			
Technical Electives***	6			
Electives by Advisement	3			
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Matriculation courses are shown in **bold print**.

* These courses may be used to meet BG Perspective requirements, but hours are counted only once.

*** Any ENGT or QS courses can be used as total of 6 credit hours electives based on faculty advisement; the courses shown are examples.

##QS courses are offered on-line only.

* One selected course must have an international perspective as designated in the approved courses.

See undergraduate catalog.

Total Minimum Program Hours 124 HRS