

**COLLEGE OF TECHNOLOGY  
Engineering Technology (ENGT)**

**2009-2010**

**B.S. In Technology**

<b>Courses Required For Major</b>		<b>Other Required Courses for ENGT</b>		<b>BG Perspective Core Courses**</b>	
<b>Cooperative Education</b>	<b>12</b>	<b>University</b>	<b>30-33</b>		<b>24 HRS</b>
TECH 2890 Co-op	4	GSW 1120	3	Natural Sciences #	
TECH 3890 Co-op	4	ENG 3880 (or ENG 2900*)	3		3
TECH 4890 Co-op	4	Tech 3020*	3		3
<b>Engineering Tech. Core</b>	<b>42</b>	<b>MATH 1280 or 1300 or Equiv.</b>	<b>3-5</b>	Humanities & Arts #	
ECT 1960 Electrical-Electronic Systems	3	MATH 1310 or 1340+1350	5-6		3
OR ECT 1910 Energy, Power, Instrument & Contl	3	<b>PHYS 2010* or 2110*</b>	<b>5</b>		3
<b>ENGT 1000 Intro to Desn &amp; Eng Mgmt</b>	<b>3</b>	PHYS 2020* or 2120*	5		3
<b>ENGT 1100 Computer Aided Design</b>	<b>3</b>	IPC 1020 or 3060	3	Social & Behavioral Sciences #	
ENGT 2100 Solid Modeling	3	<b>Business</b>	<b>9</b>		3
ENGT 2150 Descriptive Geom & Prod Drawing	3	<b>STAT 2000 or higher</b>	<b>3</b>		3
<b>ENGT 2200 MET Materials &amp; Processes</b>	<b>3</b>	ECON 2000*	3	Cultural Diversity in U.S. #	
ENGT 2400 Statics & Strength of Materials	3	MGMT 3050	3		3
ENGT 3000 Mechanical Design	3	<b>Electives (Non tech only)</b>	<b>3</b>	Core Elective #	
ENGT 3200 CAM & Rapid Prototyping	3				3
ENGT 2300 Fluid Power Transmission	3				
ENGT 3400 Props. And Test. Of Eng. Materials	3				
ENGT 3500 Metrology and GD&T	3				
QS 3600 Six Sigma Systems	3				
QS 3650 Foundations of Lean	3				
<b>Select only one Specialization</b>	<b>12</b>				
<b>Mechanical Design</b>					
ENGT 3150 3D Parametric Modeling	3				
ENGT 4000 Adv Modeling, Sim & Analysis	3				
ENGT 4500 Design Methodologies	3				
ENGT 4750 Professional Development	3				
<b>Quality Systems ##</b>					
QS 3700 Quality Change Services	3				
QS 4600 Synchronous Quality Planning	3				
QS 4650 Leadership for Lean Sigma	3				
QS 4700 Kaizen Project	3				
<b>Technical Electives***</b>	<b>6</b>				
ENGT 3050 Technical Illustration	3				
ENGT 3450 Plastic Materials and Processing	3				
QS 3800 Lean Six Sigma	3				

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.

Summary

Major	72 HRS
Other required courses	42-45 HRS
BG Perspective Core	24 HRS
Total Minimum Program Hours	124 HRS
Penalty Hours	___ HRS
Articulation Penalty	___ HRS