COLLEGE OF TECHNOLOGY
Engineering Technology (ENGT)

2011-2012 **B.S. In Technology**

Courses Required For Major

	Cooperative Education	12
	TECH 2890 Co-op	**4**
	TECH 3890 Co-op	4
	TECH 4890 Co-op	4
	Engineering Tech. Core	**48**
	ECT 1960 Electrical-Electronic Systems	**3**
	OR ECT 1910 Energy, Power, Instrument & Contl	3
	ENGT 1000 Intro to Desn & Eng Mgmt	**3**
	ENGT 1100 Computer Aided Design	**3**
	ENGT 2100 Solid Modeling	3
	ENGT 2200 MET Materials & Processes	**3**
	ENGT 2400 Statics	3
	ECT 3100 Programmable Logic Controllers	3
	ENGT 3200 CAM & Rapid Prototyping	3
	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
	QS 3600 Six Sigma Systems	3
	QS 3650 Foundations of Lean	3
	QS 4650 Leadership For Lean Sigma	**3**
	Select only one Specialization	
	Mechanical Design	9
	ENGT 3000 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
	QS 3800 Lean Six Sigma	3
	Electives by Advisement	3

Other Required Courses for ENGT

	University	**30-33**
	GSW 1120	**3**
	ENG 3880 (or ENG 2900*)	3
	Tech 3020*	3
	MATH 1280 or 1300 or Equiv.	**3-5**
	MATH 1310 or 1340+1350	5-6
	PHYS 2010* or 2110*	**5**
	PHYS 2020* or 2120*	5
	COMM 1020 or 3060	3
	Business	**9**
	STAT 2000 or higher	**3**
	ECON 2000*	3
	MGMT 3050	3
	Electives (Non tech only)	**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.

	BG Perspective Core Courses**	24 HRS
	Natural Sciences #	
		3
		3
	Humanities & Arts #	
		3
		3
	Social & Behavioral Sciences #	
		3
		3
	Cultural Diversity in U.S. #	
		3
	Core Elective #	
		3

* 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