ELECTRO-MECHANICAL SYSTEMS TECHNOLOGY
COLLEGE OF TECHNOLOGY

2009-2010 **B.S. In Technology**

Courses Required For Major

	Cooperative Education	12 HRS
	TECH 2890 Co-op	**4**
	TECH 3890 Co-op	4
	TECH 4890 Co-op	4

	Concentration	57 HRS
	CONS 4420 Scheduling	3
	ENGT 1100 Computer Aided Desn	**3**
	ENGT 2150 Desn & Eng Graphic II	3
	ENGT 2400 Stat/Strength of Mat	3
	ECT 2400 Electric Circuits	**3**
	ECT 2410 Electronic Circuits	3
	ECT 2490 Dig Elec Comp & Sys	3
	ECT 3000 Electrical Machinery	3
	ECT 3100 Prog Logic Controllers	3
	ECT 4530 Dig Comp Proc Cntl	3
	ENGT 1000 Intro to Mfg	**3**
	ENGT 2200 Met Mtl's & Proc	3
	QS 3600 Data-based Qlty Impr I	3
	or	
	QS 3650 Process & Prod Doc III	3
	MFG 4000 Mat's Prop & Heat Treat	3
	TECH 2230 Mech Power Trans	3
	ENGT 2300 Fluid Power	3
	TECH 4800 Dynamics	3
	TECH 4800 Thermodynamics	3
	MFG 4900 Probs in Mfg Tech	3

Other Required Courses

	University	38-39 HRS
	CS 1010	**3**
	GSW 1120	**3**
	ENG 3880	3
	IPC 1020	3
	MATH 1280	**5**
	MATH 1310 or	5
	MATH 1340 & 1350	6
	PHYS 2010**	**5**
	PHYS 2020**	5
	STAT 2000	3
	TECH 3020**	3

	Business & Management	6 HRS
	ECON 2000**	3
	Electives+	3

+These must be in the management/business area.

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

Matriculation courses are shown in **BOLD PRINT and must be completed with a grade of C or better.**

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, www.bgsu.edu/catalog

Summary

Major	69 HRS
Other required courses	44-45 HRS
BG Perspective Core	24 HRS
Total Minimum Program Hours	125 HRS
Penalty Hours	___ HRS

Please note: Due to the cooperative education requirement, in order to complete this program in four years, it is necessary for the student to either enroll in co-op hours or course-work during the summer as well as during the academic year. If a student is not able to do so, this program will take five years to complete.