## 2009-2010 ENGINEERING TECHNOLOGY DEGREE PLAN

Name			ID	Advisor						
hone:		Email:			Eval/Entry Date:					
FALL SEMESTER					SPRING SEMESTER					
				FRESH	<u>IMAN YEAR</u>					
**	(	)	ENGL 1010	3	**	(	)	ENGL 1020	3	
**	(	)	MATH 1730	4	***	(	)	MATH 1910	4	
***	(	)	<b>TECH 1711</b>	3	***	(	)		3	
***	(	)	<b>TECH 1010</b>	3	***	(	)	<b>TECH 1521</b>	3	
***	(	)	<b>TECH 1411</b>	1	***	(	)	<b>TECH 1811</b>	3	
	`	ĺ		14		`	ĺ		16	
				<u>SOPHO</u>	MORE YEAR					
ENGL Literature*	(	)	ENGL	3		(	)	COMM 2381	3	
***	(	)	PHYS 2010	3	***	ì	)	PHYS 2020	3	
***	(	)	<b>PHYS 2011</b>	1	***	(	)	PHYS 2021	1	
**	(	)	TECH 2822	4	**	(	)	TECH 3044	4	
**	(	)	TECH 2821	3	***	(	)	<b>CHEM 1010</b>	3	
American Hist.*	(	)		3	***	(	)	<b>CHEM 1011</b>	1	
	`			17	TECH Elective**	ì	)		3	
						`	ĺ		18	
				JUN	IOR YEAR					
Humanities*	(	)		3	Social Science*	(	)		3	
**	(	)	ENGL 3603	3	TECH Elective**	ì	)		3-4	
American Hist.*	(	)		_	TECH Elective**	(	)		3	
TECH Elective**	(	)		3-4	TECH Elective**	(	)		3	
TECH Elective**	(	)		3	**	(	)	TECH 3440	3	
Therr bleed ve	(	,		15-16		(	,	TECH 5110	15-16	
				SEN	IOR YEAR					
Social Science*	(	)		3	Humanities*	(	)		3	
TECH Elective**	(	)		3-4	TECH Elective**	(	)		3	
TECH Elective**	(	)		3	TECH Elective**	ì	)		3	
TECH Elective**	(	)		3	**	ì	)	TECH 4462	3	
**	(	)	TECH 4381	3	**	(	)	TECH 4944	3	
	`	,	12011 1001	15-16		`	,	12011 .7	15	
ımmary of Graduation	Rea	uireı	ments:							
1. 60 semester ho	urs a	at a s	senior (4-year) insti							
					er division courses in the	Heri	ff Co	llege of Engineering	ng.	
			GPA 2.00 or bette		fy the General Education	Da:	,,,;	mente es desemb - 4	Lin the 2000	
			n a single asterisk ( Catalog (see the ba			ı Ke(	<sub>1</sub> uire	ments as described	i iii tile 2009-	
					nated with a double aster	isk (	**).			
6. A grade of C-	or be	etter	is required in each	course design	nated with a triple asteris			and the ten (10) cou	arses noted w	
			st have a combined					1		
					ive sequences to be selec					
					e during the semester predisibility of the student to					
are paonished i		. aca	cuichdai. It	are respon	signify of the student to	-110 U		an and acadine is i		
OMMENITO.										
OMMEN 13:										

## GENERAL EDUCATION and BSET REQUIREMENTS

Communication ENGL 1010 English Composition

> ENGL 1020 English Composition and Analysis COMM 2381 Oral Communication and Rhetoric **ENGL 3603 Engineering Communications**

**Humanities and Fine Arts** 

ENGL 2201 Literary Heritage Select One of the Following:

ENGL 2202 Literary Heritage: African-American Emphasis

Plus Two (2) of the Following:: ART 1030 Introduction to Art

CLAS 2481 Mythology

COMM 1851 Introduction to Film DANC 1151 Introduction to Dance

HIST 1110 Development of World Civilization I HIST 1120 Development of World Civilization II

JDST 2850 Religions of Abraham: Judaism, Christianity, Islam

MUS 1030 Music Appreciation MUS 1040 Music in America

PHIL 1101 Classical Issues in Philosophy PHIL 1102 Values and the Modern World

POLS 1101 Introduction to Ancient Political Thought POLS 1102 Introduction to Modern Political Thought

THEA 1030 Introduction to Theatre UNIV 3580 Hebrew and Greek Legacy UNIV 3581 Faith, Reason, and Imagination

Social and Behavioral Sciences

Select Two of the Following: ANTH 1100 Human Origins and Variations

ANTH 1200 Cultural Anthropology

CSED 2101 The Family in Global Perspective ECON 2110 Introduction to Macroeconomics ECON 2120 Introduction to Microeconomics ESCI 1301 Survey of World Regions

ESCI 1401 Introduction to Cultural Geography POLS 1100 American Government

POLS 1301 Governments of the World POLS 1501 International Relations PSYC 1200 General Psychology

PSYC 3510 Deviance: Its role in History and Culture

SOCI 1111 An Introduction to Sociology

SOCI 2100 Sociology of International Development

UNIV 2304 Gender and Society

HIST 2010 The United States to 1877 **American History** 

HIST 2020 The United States since 1877

ANTH 3282 Cultural History of American Communities One of the following may be substituted

for HIST 2010 or HIST 2020

HIST 2030 History of Tennessee

HIST 3863 Social & Intellectual History of the United States

HIST 3881 African-American History HIST 4851 History of Women in America

POLS 4212 Constitutional Law: The Origins and Evolution of Civil

Liberties in the United States

POLS 4405 Origin and Development of American Political Thought

Revision 1

SOCI 3422 Racial and Ethnic Minorities

Natural Sciences CHEM 1010/1011 Chemistry of Materials w/Lab

> PHYS 2010/2011 General Physics I / Trigonometry w/Lab PHYS 2020/2021 General Physics II / Trigonometry w/Lab

Mathematics MATH 1730 College Algebra and Trigonometry

MATH 1910 Calculus I

## Bachelor of Science in Engineering Technology Technical Specialty Course Sequences 2009-2010

The BSET program requires 33-36 semester hours of technical electives. Complete a minimum of two (2) technical specialty elective course sequences selected from the list below:

Automation & Control Systems (13 hrs):	Product Realization (18 hrs):				
TECH 2831 (3) Advanced Solid-State Technology & Lab	TECH 3401 (3) Strength of Materials				
TECH 3821 (3) Industrial Electronics & Lab	TECH 3408 (3) Industrial Materials & Lab				
TECH 3822 (4) Programmable Logic Controllers & Lab	TECH 3421 (3) Manufacturing Processes II & Lab				
TECH 3841 (3) Electrical Power and Motor Control & Lab *OR* TECH 4474 (3) Automation and Robotics & Lab *OR*	TECH 4472 (3) Computer Aided Drafting & Lab TECH 4474 (3) Automation and Robotics & Lab				
TECH 4823 (3) Advanced Prog. Logic Controllers & Lab	TECH 4476 (3) Computer Aided Manufacturing & Lab				
Electronic Communication Systems (13 hrs):	Software Design (14 hrs):				
TECH 2831 (3) Advanced Solid-State Technology & Lab	TECH 2251 (3) Advanced Programming Technology				
TECH 3811 (3) Electronic Communications & Lab	TECH 2261 (3) Data Structures				
TECH 3812 (3) Advanced Electronic Communications	TECH 4262 (4) Modern Programming & Lab				
TECH 4821 (4) Microwave Technology & Lab	TECH 4263 (4) Server Application Technology & Lab				
Mechanical Systems Design (18 hrs):	Systems Modeling (18 hrs):				
TECH 3401 (3) Strength of Materials	TECH 2251 (3) Advanced Programming Technology				
TECH 3408 (3) Industrial Materials & Lab	TECH 2261 (3) Data Structures				
TECH 3421 (3) Manufacturing Processes II & Lab	TECH 3232 (4) Digital Technology & Lab				
TECH 3573 (3) Dynamics & Design for Automation TECH 4472 (3) Computer Aided Drafting & Lab	TECH 3233 (4) Microprocessor Technology & Lab *OR* TECH 4281 (4) Computer Network Tech & Lab				
TECH 4571 (3) Tool Design & Lab	TECH 4272 (4) Operating Systems & Lab				
Microprocessor Systems (15 hrs):	Web Programming (17 hrs):				
TECH 2831 (3) Advanced Solid-State Technology & Lab	TECH 2251 (3) Advanced Programming Technology				
TECH 3232 (4) Digital Technology & Lab	TECH 4241 (3) Internet Technology				
TECH 3233 (4) Microprocessor Technology & Lab	TECH 4242 (3) Client Application Technology				
TECH 4234 (4) Microprocessor Interfacing & Lab	TECH 4262 (4) Modern Programming				
Operations Strategy & Lean Principles (9 hrs):	TECH 4263 (4) Server Application Technology & Lab				
TECH 4460 (3) Work Design/Improvement/Measurement					

Engineering Technology

7/21/2009

Revision 1

TECH 4464 (3) Production Control Systems

TECH 4466 (3) Facility Design