

College of Basic and Applied Sciences
Upper Division Form 2004-2005 Catalog
(NOTE: This major requires 124 hours)

Student name _____ Student # _____

Major Engineering Technology Minor _____

Concentration Computer Engineering Technology E-mail _____

Instructions: For students graduating in Fall 2004 or later. *One (1) copy signed by major and minor advisors should be filed in the Records Office during the second semester of the sophomore year. An Intent to Graduate form should be filed in the Records Office during the first semester of the senior year.*

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose 1: ENGL 2020, 2030, or HUM 2610. Choose 2 with different prefixes: ANTH 2210, ART 1030, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours)	MATH 1730			Fourth credit will count in Supporting Courses	3 of 4
NATURAL SCIENCES (8 hours)	CHEM 1110				4
	PHYS 2010/2011				4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, GEOG 2000, HLTH 1530, PS 1010 or 2010, PSY 1410, SOC 1010, WMST 2100					3
					3
Hours Required					41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Engineering Fundamentals	ET 1840				3
Electrical Circuit Analysis – DC	ET 3601				3
Electrical Circuit Analysis – AC	ET 3602				3
Digital Circuits Fundamentals	ET 3620				3
Electronics I	ET 3630				3
Digital Circuits Design	ET 3640				3
Introduction to Microprocessors	ET 3650				3
Computer Assisted Printed Circuit Board Design	ET 3670				3
Industrial Safety	ET 4420				3
Programmable Logic Controllers	ET 4600				2
Instrumentation and Controls	ET 4610				3
Local Area Networks	ET 4630				3
Industrial Electricity	ET 4640				3
Microprocessors Interfacing	ET 4660				3
Microprocessors Design	ET 4670				3
Industrial Seminar	ET 4710				1
Senior Problems in Engineering Technology	ET 4801				3
Engineering Economy	ET 4970				3
Hours Required					51

Supporting and Elective Courses					
Supporting Courses	Course	Semester	Grade	Notes	Credit Hours
Computer Science I	CSCI 1170				4
Computer Science II	CSCI 2170				4
Introduction to Assembly Language	CSCI 3160				3
Introduction to Numerical Analysis	CSCI 3180				3
Professional Writing	ENGL 3520				3
Math 1730 (fourth credit from General Education)	MATH 1730				1
Calculus I	MATH 1910				4
Calculus II	MATH 1920				4
Non-Calculus Based Physics II	PHYS 2020/2021				4
Upper Division ET or CSCI must be approved by major advisor.					2
Hours Required					32

Optional Minor – Recommended: Computer Science Minor					
Minor Courses		Semester	Grade	Notes	Credit Hours
Hours Required					
Signed:					
	Minor Advisor				Date

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Remedial/developmental courses do not count toward the 120-hour requirement or cumulative degree GPA.
3. Courses used to fulfill high school deficiencies can only be counted as general elective credit.

Signed:		
	Major Advisor	Date
Signed:		
	Department Chairperson (needed only if substitutions are indicated)	Date
Signed:		
	Dean of College (needed only if substitutions are indicated)	Date