

## College of Basic and Applied Sciences — Upper Division Form 2009-2011 Catalog

(Requires 124 total credit hours)

Student name \_\_\_\_\_ Student # \_\_\_\_\_

Major Engineering Technology Minor \_\_\_\_\_

Concentration Computer Engineering Technology E-mail \_\_\_\_\_

*Instructions: For students graduating in Fall 2009 or later. One (1) copy signed by major and minor advisors should be filed in the Records Office three semesters prior to graduation. An Intent to Graduate form should be submitted with this form.*

General Education	Course	Semester	Grade	Notes	Credit Hours
<b>COMMUNICATION</b> (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
<b>HISTORY</b> (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
<b>HUMANITIES AND/OR FINE ARTS</b> (9 hours) Choose 1: ENGL 2020, 2030, or HUM 2610. Choose 2 with different prefixes: ANTH 2210, ART 1030, 1910, 1920, DANC 1000, HIST 1010, 1020, 1110, or 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
<b>MATHEMATICS</b> (3 hours)	<b>MATH 1730</b>			4th credit will count in Supporting Courses	3 of 4
<b>NATURAL SCIENCES</b> (8 hours)	<b>CHEM 1110/1111</b>				4
	<b>PHYS 2010/2011</b>				4
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, EMC/JOUR/RIM 1020, GEOG 2000, GS 2010, HLTH 1530/1531, PS 1010 or 2010, PSY 1410, SOC 1010 or 2010, WMST 2100					3
					3
<b>Hours Required</b>					<b>41</b>

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				2
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
Technical Project Management and Soft Skills	ET 4915				3
Engineering Economy	ET 4970				3
<b>Hours Required</b>					<b>53</b>

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 3620				3
Math 1730 (4th 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
<b>Hours Required</b>					<b>30</b>

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

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 courses do not count toward the 120-hour requirement or cumulative degree GPA.

<b>Signed:</b>		
	<b>Major Advisor</b>	<b>Date</b>

Student's local address:  
to which graduation analysis  
information should be sent: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_