College of Basic and Applied Sciences — Upper Division Form 2015-2016
(Requires 124 total credit hours)

Student name _____ Student # _____

Major **Engineering Technology** Minor _____

Concentration **Electro-Mechanical Engr Tech** E-mail _____

Instructions: For students graduating in Fall 2015 or later. ***One (1) copy signed by major advisor (and minor advisor if minor is completed) should be filed with the Graduation Coordinator in KUC 322 three semesters prior to graduation. An Intent to Graduate form should be submitted with this form.***

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 or 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours)	**MATH 1730**			Fourth credit listed in Supporting Courses	3 of 4
NATURAL SCIENCES (8 hours)	**CHEM 1110/1111**				4
	PHYS 2010/2011				4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different prefixes): AAS 2100, ANTH 2010, ECON 2410, EMC/JOUR/RIM 1020, GEOG 2000, GS 2010, HLTH 1530/1531, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, 2010, WGST 2100					3
					3
				Hours Required	41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Engineering Fundamentals	**ENGR 1100**				3
Introduction to Materials Science and Engineering	**ENGR 1210**				3
Statics	**ENGR 2110**				3
Technical Project Management and Soft Skills	**ENGR 3915**				3
Engineering Safety	**ENGR 3920**				3
Engineering Economy	**ENGR 3970**				3
CADD I	**ET 2310**				3
Machine Tool Technology	**ET 3210**				3
CADD II	**ET 3360**				3
Electrical Circuit Analysis – DC	**ET 3601**				3
Electrical Circuit Analysis – AC	**ET 3602**				3
Digital Circuits Fundamentals	**ET 3620**				3
Electronics	**ET 3630**				3
Introduction to Microprocessors	**ET 3650**				3
Engineering Thermodynamics and Heat Transfer	**ET 3810**				3
Strength of Materials	**ET 3860**				3

Major requirements continued on next page

Programmable Logic Controllers	**ET 4600**				2
Instrumentation and Controls	**ET 4610**				3
Industrial Electricity	**ET 4640**				3
Industrial Seminar	**ET 4710**				1
Senior Problems in Engineering Technology	**ET 4802**				3
Fluid Power	**ET 4850**				3
Robotics	**ET 4860**				3
				Hours Required	66

Supporting and Elective Courses				
Course	**Semester**	**Grade**	**Notes**	**Credit Hours**
CSCI 1170 – Computer Science I				4
MATH 1530 or PSY 3020				3
MATH 1730 – Algebra and Trigonometry			3 credits counted in General Education	1 of 4
MATH 1910 – Calculus I				4
MATH 2110 – Data Analysis				1
PHYS 2020/2021 – Non-Calculus Based Physics II				4
			Hours Required	17

Optional Minor – EMET does NOT require a minor				
Course	**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. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:		
	Major Advisor	**Date**