C14-0411

College of Basic and Applied Sciences — Upper Division Form 2013-2014

(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 2013 or later. *One (1) copy signed by major advisor (and minor advisor if minor is completed) should be filed with the Graduation Coordinator in JH 115 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			ENGL 1101 Composition and Rhetoric I (3)	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, 1910, 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030				Humanities / Fine Art (3)	3
					3
					3
MATHEMATICS (3 hours)	MATH 1730			Fourth credit listed in Supporting Courses MATH 1111 College Algebra (3) and MATH 1113 Pre-calculus (3)	3 of 4
NATURAL SCIENCES (8 hours)	CHEM 1110/1111				4
	PHYS 2010/2011			PHYS 1111/1111L (4)	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, SOC 1010, 2010, WGST 2100				Social/Behavioral Sciences (3)	3
					3
				Hours Required	41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Introduction to Metals and Metallurgy	ET 1210				3
Engineering Fundamentals	ENGR 1100			ENGT 1000 Intro. To Engineering Tech (3)	3
CADD I	ET 2310			DFTG 2010 Engineering Graphics (4)	3
Machine Tool Technology	ET 3210			MEGT 1010 Manufacturing Processes (3)	3
CADD II	ET 3360			DFTG 1105 3D Mechanical Modeling (4)	3
Electrical Circuit Analysis – DC	ET 3601			ECET 1101 Circuit Analysis I (4)	3
Electrical Circuit Analysis – AC	ET 3602			ECET 2101 Circuit Analysis II (4)	3
Digital Circuits Fundamentals	ET 3620				3
Electronics I	ET 3630			ECET 2120 Electronic Circuit I (4)	3
Introduction to Microprocessors	ET 3650				3
Engineering Thermodynamics and Heat Transfer	ET 3810				3
Statics	ET 3830			MEGT 2030 Statics (3)	3
Strength of Materials	ET 3860			MEGT 2080 Strength of Materials (4)	3
Engineering Safety	ENGR 3920				3
Programmable Logic Controllers	ET 4600				2
Instrumentation and Controls	ET 4610			EMET 2060 Control I (4)	3

Industrial Electricity	ET 4640				3
Industrial Seminar	ET 4710				1
Senior Problems in Engineering Technology	ET 4802				3
Fluid Power	ET 4850			MEGT 2260 Fluid Power (3)	3
Robotics	ET 4860				3
Technical Project Management and Soft Skills	ENGR 3915				3
Engineering Economy	ENGR 3970				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 MATH 1111 College Algebra (3) and MATH 1113 Pre-calculus (3)	1 of 4
MATH 1910 – Calculus I			MATH 1131 Calculus I (4)	4
MATH 2110 – Data Analysis				1
PHYS 2020/2021 – Non-Calculus Based Physics II			PHYS 1112/1112L (4)	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**

Student's local address:
to which graduation analysis
information should be sent: _____ Phone: _____

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Albany Technical College and Middle Tennessee State University
Electromechanical Engineering Technology 2+2 Program

4-year Plan Option 1

First and second year at Albany Technical College					
Completing Albany Technical College (ATC) Electromechanical Engineering Technology A.S degree requirements on page 112 of ATC 2012-13 catalog with technical electives of DFTG 1105 and MASH 1131.					
MTSU hours					58
Third year, taking MTSU and Albany State University (ASU) courses in Albany, GA					
	Fall		Spring		
	Course	Hours	Course	Hours	
	ENGL 1020 (MTSU online)	3	ENGL 2030 (MTSU online)	3	
	HIST 2010 (MTSU online)	3	HIST 2020 (MTSU online)	3	
	COMM 2200 (MTSU online)	3	Human & Fine Art (MTSU online)	3	
	CHEM 1110/1111 (ASU CHEM 1211 and 1211L)	4	Social/Behavioral Sciences (MTSU online)	3	
	ENGR 3920 (MTSU online)	3	ENGR 3970 (MTSU online)	3	
			PSY 3020 (MTSU online)	3	
Semester hours		16		18	
MTSU hours					34
Fourth year, taking MTSU courses at MTSU campus					
	Fall		**Spring**		
	Course	**Hours**	**Course**	**Hours**	
	ET 1210	3	ET 3620	3	
	ET 3650	3	ET 3810	3	
	ET 4710	1	ET 4600	2	
	ENGR 3915	3	ET 4640	3	
	MATH 2110	1	ET 4802	3	
	CSCI 1170	4	ET 4860	3	
Semester hours		**15**		**17**	
MTSU hours					32
Total Hours					124

Albany Technical College and Middle Tennessee State University
Electromechanical Engineering Technology 2+2 Program

4-year Plan Option 2

First and second year at Albany Technical College					
Completing Albany Technical College (ATC) Electromechanical Engineering Technology A.S degree requirements on page 112 of ATC 2012-13 catalog with technical electives of DFTG 1105 and MASH 1131.					
MTSU hours					58
Third year, taking MTSU courses in Albany, GA					
	Fall		Spring		
	Course	Hours	Course	Hours	
	ENGL 1020 (MTSU online)	3	ENGL 2030 (MTSU online)	3	
	HIST 2010 (MTSU online)	3	HIST 2020 (MTSU online)	3	
	COMM 2200 (MTSU online)	3	Human & Fine Art (MTSU online)	3	
	ENGR 3920 (MTSU online)	3	ENGR 3970 (MTSU online)	3	
	Social/Behavioral Sciences (MTSU online)	3	PSY 3020 (MTSU online)	3	
Semester hours		15		15	
MTSU hours					30
Summer Between Third and Fourth year, taking MTSU courses at MTSU campus					
	Course			Hours	
	CHEM 1110/1111			4	
	ET 3620			3	
Semester hours				7	
MTSU hours					7
Fourth year, taking MTSU courses at MTSU campus					
	Fall		**Spring**		
	Course	**Hours**	**Course**	**Hours**	
	ET 1210	3	ET 3810	3	
	ET 3650	3	ET 4600	2	
	ET 4710	1	ET 4640	3	
	ENGR 3915	3	ET 4802	3	
	MATH 2110	1	ET 4860	3	
	CSCI 1170	4			
Semester hours		**15**		**14**	
MTSU hours					29
Total Hours					124