

Tennessee State University
College of Engineering

Bachelor of Science Degree in
Applied & Industrial Technologies
for *Concentration - Mechatronics Technology*

Fall				Spring			
<u>FRESHMAN YEAR</u>							
UNIV	1000	Orientation	1	MATH	1720	Pre Calculus Trig	3
AITT	1001	Introduction to Aero. & Indus. Tec	3	ENGL	1020	Freshman English II	3
ENGL	1010	Freshman English I	3	CHEM	1110	General Chemistry I	3
MATH	1710	Precalculus Algebra	3	CHEM	1111	General Chemistry I Lab	1
		HPER/ROTC/MUSC for non-majors	1			HPER/ROTC/MUSC for non-majors	1
		Humanities Elective	3			Humanities Elective	3
				ECON	2010	Economics Principles I	3
			14				17
<u>SOPHOMORE YEAR</u>							
MATH	1910	Calculus I	4	PHYS	2020	College Physics II	3
PHYS	2010	College Physics I	3	PHYS	2021	College Physics II Lab	1
PHYS	2011	College Physics I Lab	1	HIST	2010	American History I	3
AITT	2000	Circuits Analysis	3	COMM	2200	Speech	3
AITT	2001	Circuits Analysis Lab	1	PSYC	2010	General Psychology	3
ENGL	2110	American Literature	3	AITT	2200	Circuits and Devices	3
				AITT	2201	Circuits and Devices Lab	1
			15				17
<u>JUNIOR YEAR</u>							
HIST	2020	American History II	3	AITT	3320	Basic Electronics II	3
AITT	3310	Basic Electronics I	3	AITT	3321	Basic Electronics II Lab	1
AITT	3311	Basic Electronics I Lab	1	AITT	3480	Statistical Quality Control	3
AITT	3350	Digital Logic Systems	3	MGMT	3010	Mgmt And Organization Behavior	3
AITT	3351	Digital Logic Systems Lab	1	ENGL	3105	Technical Report Writing	3
AITT	3200	Introduction to Robotics	3	AITT	3400	Introduction to Design	3
			14				16
<u>SENIOR YEAR</u>							
AITT	3110	Industrial Safety	3	AITT	4800	Introduction to Microprocessors	3
AITT	4040	Industrial Electronic Controls	3	AITT	4510	Capstone Project II	1
AITT	4300	Digital Computer Structures	3	AITT	4170	Linear Integrated Circuits	3
AITT	4500	Capstone Project I	1	MGMT	4070	Training and Development	3
AITT	4900	Senior Seminar	1			Technical Elective	3
MGMT	4050	Organization Behavior	3				
			14				13

TOTAL REQUIRED NUMBER OF CREDIT HOURS 120