

**Articulation Matrix**  
**Savannah State University, College of Science and Technology and**  
**The Department of Engineering Technology**  
**With**  
**Augusta Technical College, School of Aviation, Industrial, and Engineering Technology and**  
**The Department of Electrical and Computer Engineering Technology**

**Electronics Engineering Technology Bachelor of Science Degree**

<b>Augusta Technical College Course</b>		<b>Savannah State University Course</b>	
<b>Electrical &amp; Computer Engineering Technology (66 hours)</b>		<b>Electronics Engineering Technology (123 hours)</b>	
<b>General Core (23 hours)</b>	<b>Credit Hours</b>	<b>Area A-Essential Skills (9 hours)</b>	<b>Credit Hours</b>
<b>Area I &amp; Area III (6 hours)</b>		<b>Area A- Essential Skills (9 hours)</b>	
ENGL 1101 Composition and Rhetoric (AI)	3	ENGL 1101/1101H Composition I	3
No equivalent Requirement (AI)	0	ENGL 1102/1102H/1102S Composition II	3
MATG 1111 college Algebra (AIII)	3	No Equivalent Required	0
MATH 1113 Pre-Calculus	3	MATH 1113 Pre-Calculus	3
		<b>Area B-Institutional Options (5 hours)</b>	
No Equivalent Requirement	0	AFRS 1501 Survey of the African American Experience	3
No Equivalent Requirement	0	HUMN 1201-Critical Thinking & Communication	3
<b>AREA IV (3 hours)</b>		<b>Area C- Humanities/Fine Arts (6 hours)</b>	
ENGL 1110 World Literature	3	ENGL 2110 World Literature	3
ARTS 1101 Art Appreciation	3	ARTS 1101 Art Appreciation	3
HUMN 1101 Introduction to Humanities	3	HUMN 2011 Introduction to Humanities	3
MUSC 1101 Music Appreciation	3	MUSC 1101 Music Appreciation	3
<b>Area III (11 hours)</b>		<b>Area D- Science, Math &amp; Technology (11 hours)</b>	
No Equivalent Requirement		Non-lab Science: (May also substitute lab science)	
No Equivalent Requirement	0	BIOL 1107 Principles of Biology I BIOL 1108 Principles of Biology II CHEM 1211 Principles of Chemistry I CHEM 1212 Principles of Chemistry II CISM 1130 Computer Applications CSCI 1130 Computer Applications (Preferred) ENVS 1140 Environmental Issues	3
		Laboratory Science: Select two of the following lab sciences in sequence:	8

PHYS 1111/1111L Introductory Physics I with Lab PHYS 1112/1112L Introductory Physics II with Lab	4 4	BIOL1107/1107L Principles of Biology I 4 hours BIOL 1108/1108L Principles of Biology II 4 hours CHEM 1211/1211L Principles of Chemistry 4 hours CHEM 1212/1212L Principles of Chemistry 4 hours PHYS 1111K Introductory Physics I 4 hours PHYS 1112K Introductory Physics II 4 hours PHYS 2211K Principles of Physics I 4 hours PHYS 2212K Principles of Physics II 4 hours	8
CHEM 1211/1211L Chemistry I with Lab	4	CHEM 1211/1211L Lab Principles of Chemistry I (Area F)	4
<b>Area II (3 hours)</b>		<b>Area E-Social Sciences (12 hours)</b>	
HIST 1111 World History I HIST 1112 World History II PSYC 1101 Intro to Psychology SOC1 1101 Intro to Sociology ECON 2105 Macroeconomics	3	Select 2 of the following: AFRS 2000 Introduction to African Studies ANTH 1101 Introduction to Anthropology 3 hours ECON 2105 Principles of Macro-Economics 3 hours GEOG 1101 Introduction to Human Geography 3 hours HIST 1111 World HIST to Early Modern Times 3 hours HIST 1112 World History Early Modern Times to Pres 3 hours POLS 2401 Global Issues 3 hours PSYC 1101 Intro to General Psychology 3 hours PSYC 2103 Human Growth and Development 3 hours SOC1 1101 Introduction to Sociology 3 hours SOC1 1160 Social Problems 3 hours	6
HIST 2111 U.S. History I		Select one of the following: HIST 2111 US History I	
HIST 2112 U.S. History II		HIST 2112 US History II	
POLS 1101 American Government		POLS 1101 American Government	3
<b>Fundamental Occupational Courses (22 hours)</b>		<b>Transfers As</b>	
	<b>Credit Hours</b>		<b>Credit Hours</b>
ENGT 1000 Introduction to Engineering Technology	3	COST 1103 Freshman Year	2
ECET 1101 Circuit Analysis I	4	ELET 3101K Electrical Circuit I	4
ECET 1191 Computer Fundamentals	3	CSCI 1301 Computer Science I	3
ECET 1110 Digital Systems I	4	ELET 3301K Digital Systems I	4
<b>Electronics Engineering Technology (EET) Specialization (21 hours)</b>		<b>Transfers As</b>	
	<b>Credit Hours</b>		<b>Credit Hours</b>
ECET 2110 Digital Systems II	4	ELET 3311K Digital Systems II	4
ECET 2120 Electronic Circuits I	4	ELET 3201K Electronics I	4
ECET 2220 Electronics II	4	ELET 3211K Electronics II	4

<b>Instrumentation &amp; Control Engineering Technology (ICET) Specialization (21 hours)</b>	<b>Credit Hours</b>	<b>Transfers As</b>	<b>Credit Hours</b>
ICET 2030 Programmable Logic Controller	4	ELET 4101K Programmable Logic Controller	4
^Required Courses **Technical Elective (Depends on Specialization- a required course in one specialization can be a technical elective for another)			
Technical Elective Options (4 hours) **	<b>Credit Hours</b>	<b>Transfers As</b>	<b>Credit Hours</b>
DFTG 2010 Engineering Drafting	4	ENGT 2101 Computer Graphics (Area F)	3
Math 1131	4	Math 2101 (Area F)	4

**Courses needed to complete the Electronics Engineering Technology Bachelor of Science degree. In addition to completing the areas A through F requirements at SSU, students need to complete 32 semester hours of major courses at Savannah State University.**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>
ENGT 3101	Statics	3
ELET 3411K	Micro Controllers	4
ELET 2511K	Electrical Machinery	4
ENGT 3701	Engineering Economy	3
ENGT 4401	Senior Project	3
ELET Option	ELET Option *	12
CSCI 3385 OR CSCI 3000	Computer Network & Design OR Data Structures	3
	Total	32