

Bachelor of Science Degree in Computer Engineering Technology 3-Year Degree Program Option <sup>(7),(14)</sup>		Name	ID#		
<b>Sem Taken</b>	<b>1st Semester (Fall)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 1</b>
	ENGL 1102 Discourse & Comp <sup>(1)</sup>	Placement		3	
	ETCO 1120 Intro. to STEM Programming		MATH 1020 or higher	3	
	ETEC 2601 Database Systems		ETCO 1120	3	
	ETEM 1110 Elect. Fund. 1 (DC) <sup>(3)</sup>		MATH 1020 or higher	3	
	MATH 1300 Precalculus <sup>(1)</sup>	MATH 1020 or Placement		5	
	Subtotal First Semester			17	
<b>Sem Taken</b>	<b>2nd Semester (Spring)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 1</b>
	ETEC 1101 Structured Programming	ETCO 1120 or ETGG 1801		3	
	ETEC 1302 Computing Systems			3	
	ETEM 1111 Elect. Fund. 2 (AC)	ETEM 1110		3	
	ETEM 1216 Electronics		ETEM 1111	4	
	MATH 2110 Calculus 1	MATH 1300		4	
	Subtotal Second Semester			17	
<b>Sem Taken</b>	<b>3rd Semester (Summer)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 2</b>
	ENGL 1105 Comp & Argument	ENGL 1102		3	
	GEP Fine Arts Elective			3	
	GEP Social Science Elective			3	
	MATH 2120 Calculus 2	MATH 2110		4	
	Subtotal Third Semester			13	
<b>Sem Taken</b>	<b>4th Semester (Fall)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 2</b>
	ETCO 2225 Industrial Mgmt & OSHA			3	
	ETEC 2101 Data Structures	ETEC 1101		3	
	ETEC 2301 Programmable Logic <sup>(5)</sup>	ETEC 1101		3	
	ETEC 3501 Advanced Circuit Analysis			3	
	ETXX Technical Elective 1 <sup>(6)</sup>			3	
	PHYS 2211 Calc. Based Physics 1	MATH2120 or higher		4	
	Subtotal Fourth Semester			19	
<b>Sem Taken</b>	<b>5th Semester (Spring)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 2</b>
	ETEC 2104 Object Oriented Sftw Engr	ETEC 2101		3	
	ETEC 2311 Microprocessor Based Sys	ETEC 2301		3	
	ETEC 3201 Networking & Comm	ETEC 2101		3	
	ETXX Technical Elective 2			3	
	ETXX Technical Elective 3			3	
	PHYS 2212 Calc. Based Physics 2	PHYS 2211		4	
	Subtotal Fourth Semester			19	
<b>Sem Taken</b>	<b>6th Semester (Summer)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 3</b>
	GEP Ethics Elective			3	
	GEP Non-Western Perspective			3	
	GEP Western Perspective			3	
	Subtotal Sixth Semester			9	
<b>Sem Taken</b>	<b>7th Semester (Fall)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	
	ETEC 3401 Algorithms	ETEC 2101		3	
	ETEC 3402 Automata & Formal Lang	ETEC 3401		3	
	ETEC 3701 Operating Systems 1	ETEC 2101		3	
	ETEC 4501 Digital Controls 1	ETEC 2101, 2311, 3501, MATH 2120		3	
	ETXX Technical Elective 4			3	
	Subtotal Seventh Semester			15	
<b>Sem Taken</b>	<b>8th Semester (Spring)</b>	<b>Prerequisite</b>	<b>Corequisite</b>	<b>Credit Hours</b>	<b>Year 3</b>
	ETEC 3301 Computer Architecture	ETEC 2311		4	
	ETEC 3702 Operating Systems 2	ETEC 3701		3	
	ETEC 4301 Design Lab 1 <sup>(2)</sup>	ETEC 3201, 3301, 3402, 3702		3	
	ETEC 4401 Compiler Design	ETEC 3402		3	
	ETEC 4502 Digital Controls 2	ETEC 4501		3	
	ETEC 4901 Perspectives in Computing	ETEC 3201, 3301, 3402, 3702		3	
	Subtotal Eighth Semester			19	
			Total:	128	
The basis for three (3) year degree are:					
(1) Student enters SSU with an ACT (or equivalent) math placement score of 22 or higher for placement into MATH 1300 Precalculus.					
(2) ETEC 4301 Senior Design Lab continues to be a capstone course accepted by the GEP in-lieu of IDST 4490 Senior Seminar.					
(3) CT <sup>2</sup> CTEET001 DC Circuits can be fulfill this course requirement.					
(4) Student enters SSU with an ACT (or equivalent) English sub score of 24 or higher for placement into ENGL 1102 Discourse and Composition (B).					
(5) CT <sup>2</sup> CEET002 Digital Electronics plus CEET003 Programmable Logic Controls (PLC) together can fulfill this course requirement.					
(6) CT <sup>2</sup> CTMET005 Computer Aided Design Drafting and Design (CADD) can fulfill this course requirement.					
(7) Advanced Placement (AP) and post-secondary option credit are awarded as appropriate per the SSU Registrar's office.					