

# Electronics Technology Program Curriculum Guide

## Bachelor of Science in Electronics Technology

**Major Code: 0340**

(Effective 2020-2021)

### Freshman Year

First Semester		Credits	Second Semester		Credits
CST 120	Fundamentals of Technology	3	CST 112	Electric Circuits I	3
CST 130	Introduction to Unix/Linux	3	CST 122	Electric Circuits I Lab	1
ENGL 100	Ideas and Their Expressions I	3	CST 140	Intro to Computer Programming	3
FRST 101	University Experience (SS) <sup>(2)</sup>	1	CST 150	Intro to Computer Programming Lab	1
MATH 110	Pre-Calculus for Eng/Sci (MLAR)	4	ENGL 101	Ideas and Expressions II (WC) <sup>(2)</sup>	3
	Global Awareness(GA) <sup>(2)</sup>	3	MATH 131	Calculus I	4
		<b>17</b>			<b>15</b>

### Sophomore Year

First Semester		Credits	Second Semester		Credits
CST 212	Electric Circuits II	3	CST 213	Digital Circuits	3
CST 222	Electric Circuits II Lab	1	CST 223	Digital Circuits Lab	1
CST 240	Applied Java Programming	3	CST 250	Communication Systems	3
MATH 132	Calculus II	4	CST 260	Communication Systems Lab	1
SPCH 250	Speech Fundamentals (HFA) (2)	3	MATH 224	Intro to Probability and Statistics	3
	African-American studies (AA)(2)	3		Social /Behavioral Sciences(SBS)(2)	3
		<b>17</b>			<b>14</b>

### Junior Year

First Semester		Credits	Second Semester		Credits
CST 312	Active Circuits I	3	CST 300	Intro to Project Management	3
CST 322	Active Circuits I Lab	1	CST 313	Applied Hardware and Soft. Sys. I	3
CST 329	Computer Networking I	3	CST 323	Applied Hardware and Soft. Sys. I Lab	1
CST 339	Computer Networking I Lab	1	MGMT 220	Business Environment	3
CST 355	Electrical Power and Machinery	3	PHYS 226	College Physics II	3
PHYS 225	College Physics I	3	PHYS 236	College Physics II Lab	1
PHYS 235	College Physics I Lab	1			
		<b>15</b>			<b>14</b>

### Senior Year

First Semester		Credits	Second Semester		Credits
CST 496	Senior Colloquium	1	CST 499	Senior Project Capstone Experience	3
CST 498	Senior Capstone Project	3		Technical Elective <sup>(1)</sup>	3
	Technical Elective TE <sup>(3)</sup>	3		Technical Elective <sup>(1)</sup>	3
	Free Elective <sup>(3)</sup>	3		Free Elective <sup>(4)</sup>	3
	MGMT Elective <sup>(3)</sup>	3		MGMT Elective <sup>(3)</sup>	3
		<b>13</b>			<b>15</b>
	<b>Total Credit Hours:</b>	<b>120</b>			

- (1). Technical Electives: Any CST course that is not already a required course may be used as a technical elective. In addition, students may petition to have other technical or math courses counted as technical electives.
- (2). SBS/GA/AA Electives from Approved List: These must be selected from three different pools. If a course meets requirements in two or more outcomes, the student has the option to use the course for one outcome and must select another course to fulfill the requirement for each outcome.
- (3). MGMT Electives: Students must earn at least 6 credit hours in the MGMT courses.
- (4). Free Electives: Any course at or above the 100 level may be taken as a free elective.