

**UTC Transfer Pathway**  
**B.S.E.E. Electrical Engineering**

**2020-2021**

This pathway leads from a Electrical Engineering, A.S. (TTP) degree from Chattanooga State Community College to a Bachelor of Science in Electrical Engineering degree with a major in Electrical Engineering from the University of Tennessee at Chattanooga.

**Chattanooga State Community College**

<b>First Year – 34-35 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II*	3
CHEM 1110: General Chemistry I	4	PHYS 2110: Calculus-Based Physics I*	4
MATH 1910: Calculus I*	4	MATH 1920: Calculus II*	4
CISP 1010: Computer Science I or Programming	3-4	Humanities/Fine Arts to satisfy Gen Ed	3
History to satisfy Gen Ed	3	History to satisfy Gen Ed	3
	17-18		17
<b>Second Year – 33 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
MATH 2050: Calculus Based Probability and Statistics	3	ENGR 2130: Circuits w/ Lab	3
Social/Behavioral Science to satisfy Gen Ed	3	Social/Behavioral Science to satisfy Gen Ed	3
PHYS 2120: Calculus-Based Physics II	4	MATH 2120: Differential Equations	3
MATH 2010: Introduction to Linear Algebra	3	Humanities/Fine Arts to satisfy Gen Ed	3
MATH 2110: Calculus III	4	Literature to satisfy Gen Ed	3
	17		16

\* Must earn a C or better grade

Students should verify Chattanooga State Community College graduation requirements.

**University of Tennessee at Chattanooga**

<b>Third Year – 38 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
ENME 1011: Intro to Two/Three-Dimensional Modeling	1	ENCE 1040: Vector Statics	3
ESEE 1010: Intro to Engineering	3	ESEE 2740: Digital Electronics	3
ESEE 2250: Engineering Programming	3	ESEE 2720: Electrical Circuits II	3
ESEE 3250: Signals and Systems	3	ESEE 3790: Modern Control Systems Analysis & Design	3
ESEE 3750: Electromagnetic Fields and Waves	3	Approved Technical Elective (3000-4000 Level)	3
Approved Electrical Engineering Focus Elective	3	ESEE 3800/3800L: Electrical Energy Conversion/Lab	4
Electrical Engineering Elective (3000-4000 Level)	3		
	19		19
<b>Fourth Year – 37 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
ENCE 3850: Interdisciplinary Design Project I	3	ESEE 4850: Interdisciplinary Design Project II	3
ESEE 3720/3720L: Analog Electronics/Lab	4	ESEE 4900: Fundamentals of Engr & Professionalism	3
Approved Electrical Engineering Focus Elective	3	ESEE 4800: Electronic Instrumentation	3
Approved Electrical Engineering Focus Lab Elective	1	Approved Electrical Engineering Focus Elective	3
Electrical Engineering Elective (3000-4000 Level)	3	Electrical Engineering Elective (3000-4000 Level)	3
Electrical Engineering Lab Elective (3000-4000 Level)	1	Electrical Engineering Lab Elective (3000-4000 Level)	3
Approved Technical Elective (3000-4000 Level)	3	Approved Technical Elective (3000-4000 Level)	1
	18		19

<b>Completed:</b>			
<b>Graduation Requirements:</b>		<b>Degree Requirements:</b>	
128 Total Hours		21 General Education Hours	
39 Upper Division (3000-4000) Hours		111 Program (Major) Hours	
30 Hours at UTC		Minor Hours ( <i>Not Required</i> )	
60 Hours at 4-year institution		9-10 Elective Hours	
		Foreign Language Hours ( <i>Not Required</i> )	

This Transfer Path is a supplemental resource only. Students should consult their catalog year for official lists of general education courses,

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program requirements, pre-requisites, and co-requisites.