



# Associate of Pre-Engineering - Computer Engineering

## Transfer Pathway 2024-2025 Catalog Year

This guide is subject to change and should be used in consultation with an academic advisor.

### First Year

Fall Semester		Spring Semester	
ENGL 1010 Intro to Writing (EN)	3	EE 1270 Introduction to Electrical Circuits I	4
ENGR 1010 Engineering Math Techniques	3	CSIS 1410 Object-Oriented Programming	4
EE 1010 Intro to Electrical Eng. & Lab Methods	1	MATH 1220 Calculus II	4
EE 1020 Electrical Engineering Problem w/Matlab	1	PHYS 2210 Physics for Science & Engineering I	4
CSIS 1400 Fundamentals of Programming	4	FA 1080 Basic Metal Sculpting (FA) - recommended	3
MATH 1210 Calculus I	4		
ENGR 2950 Engineering Forum	1		
Total	17	Total	19

### Second Year

Fall Semester		Spring Semester	
ENGL 2010 Intermediate Writing (EN)	3	EE 2280 Fundamentals of Engineering Electronics	4
EE 2260 Fundamentals of Electrical Circuits II	4	MATH 2210 Multivariate Calculus	3
PHYS 2220 Physics for Science & Engineering II	4	CSIS 2430 Discrete Structures	4
CSIS 2420 Algorithms & Data Structures	4	CSIS 2810 Computer Architecture*	4
MATH 2250 Differential Eq/Linear Algebra	4	American Institutions (AI)	3
		ECON 2010 Principles of Microeconomics (SS) - recommended	3
Total	19	Total	21

\*Indicates course specific to Utah Tech transfer – Students can take CSIS 2810 at UT as long as it is taken before CS 3410 and CS 3400

Additional labs and General Education courses can be completed at SLCC prior to transfer.

# Bachelor of Science - Computer Engineering

## Transfer Pathway 2024-2025 Catalog Year

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### Third Year

Fall Semester		Spring Semester	
PHYS 2215 Physics/Scientists Engineers I Lab	1	PHYS 2225 Physics Sci/Engineers II Lab	1
ECE 1200 Matlab & Arduino	1	MECH 2250/2255 Sensor & Actuators/Lab	3/1
ECE 2700/2705 Digital Circuits/Lab	3/1	ECE 2285 Microelectronics Lab	1
Life Sciences (LS)	3	CS 2450 Software Engineering	3
CS 3005 Programming in C++	3	General Education requirement	3
Total	12	Total	12

### Fourth Year

Fall Semester		Spring Semester	
ECE 3730/3735 Embedded Systems I/Lab	3/1	ECE 4730/4735 Embedded Systems II/Lab	3/1
MECH 3200/3205 Systems & Controls/Lab	3/0.5	ECE 3500 Signals & Systems	3
MATH 3400 Probability & Statistics	3	CS 3410 Distributed Systems	3
		ECE Tech Elective 1	3
		ENGL 3010 Professional Writing and Business Ethics	3
Total	10.5	Total	16

### Fifth Year

Fall Semester		Spring Semester	
ECE 4005 Product Design I	3	ECE 4015 Product Design II	3
ECE Tech Elective 2	3	ECE 4500 Digital Signal Processing	3
CS 3400 Operating Systems	3	ECE Tech Elective 3	3
Fundamentals of Engineering Exam			
Total	9	Total	9