Associate of Pre-Engineering - Computer Engineering
Transfer Pathway 2023-24 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

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

Bachelor of Science – Computer Engineering
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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