

High School to College and Career Pathway: Post-Secondary

Area of Study: Technology & Engineering Educ

Pathway: Pre-Engineering

Region: Wasatch Front	District:	School:	College/Institution: Salt Lake Community College Articulation Agreement in place? Yes Name of Degree: Manufacturing Engineering Technology A.S.
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High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
	ENGL 1010 Intro to Writing*	1	3	ENGL 1010	Introduction to Writing	3
				ENGL 2010	Intermediate Writing	3
	MATH 1210 Calculus I*	1	4	MATH 1210	Calculus I	4
	HIST 1700 American Civilization*	1	3	HIST 1700	Amer Civilization <i>or</i> ECON 1740 <i>or</i> POLS 1100	3
	HLAC 1096*	.5	1	HLAC _____	Lifelong Wellness course	1
	COMM 1010*	1	3	COMM 1010	Elem Effect Comm <i>or</i> COMM 1020 Princ Pub Spk	3
	CIS 1020*	.5		CIS 1020	Computer Essentials or computer literacy (3)	
	1 course from each area: BiolSci,* FineArts, Humani, Interdis, SocSci	5	15		Distribution: 1 course (3 credits) from each area: BiolSci, FineArts, Humanities, Interdisc, SocSci (ECON 1010 for SocSci)	15

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Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
Course #	Foundation Courses: (2.50 required)	Credit				
21.0104	Foundations of Technology	.50				
21.0115	Engineering Design	.50				
21.0116	Materials & Processing Electronics	.50				
21.0114	Pre-Engineering (capstone course)	1.00				
	Elective Courses: (choose 1.50 credits)					
48.0101	Drafting/CAD	1.00				
47.0105	Electronics	1.00				
52.0621	Entrepreneurship	.50				
08.0707	Marketing, Introduction	.50				
32.0199	Student Internship (Critical Workplce Skills)	.50				
				EDDT 1100	Advanced AutoCAD	2
				EDDT 2340	Manufacturing Processes	3
				EDDT 2350	Manufacturing Lab	1
				EDDT 2540	Geometric Dimension & Tolerance	2
				EDDT 2600	3D CAD Modeling	3
				MAT 1600	CNC Machine Theory	3
				MAT 1610	CNC Machining Lab	1
				MAT 2650	CAD/CAM	2
	Additional Articulated Classes					
	CHEM 1110 or CHEM 1210*	1	4 ⇨	CHEM1110	Elem Chemistry <i>or</i> CHEM 1210 Gen Chem	4
	CHEM 1115 or CHEM 1215*		1 ⇨	CHEM 1115	Elem Chem Lab <i>or</i> CHEM 1215 GenChemLab	1
	PHYS 2010*	1	4 ⇨	PHYS 2010	College Physics I (or PHYS 2210)	4
	PHYS 2015*		1 ⇨	PHYS 2015	College Physics Lab I (or PHYS 2215 with 2210)	1
48.0503	Machinist Technician CNC*	.5	3 ⇨	MAT 1500	Manual Machining	3
48.0503	Machinist Technician CNC*		1 ⇨	MAT 1510	Manual Machining Lab	1
TOTAL Potential Credits Earned in High School			43	TOTAL Credits Required for Degree or Certificate		63

*Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. Note: * = concurrent ^ = distant*

Note: Requirements may change year-to-year. It is the student's responsibility to verify information by consulting with an SLCC department advisor.

NOTE: FOR STUDENTS WISHING TO PURSUE A B.S. DEGREE, THIS SLCC PROGRAM IS DESIGNED TO TRANSFER TO THE MANUFACTURING ENGINEERING TECHNOLOGY BACHELOR OF SCIENCE AT WEBER STATE UNIVERSITY IN OGDEN, UTAH.