

Required for USU Major						Articulation of Pre-engineering Courses between Snow College and Utah State University current as of: 12/16/2015					
B	I	E	C	E	M						
E	N	N	O	L	E						
N	I	V	M	C	C						
I	L	I	P	T	H						

						USU			Snow	
						Course	Cr	Course Title	Course	Cr
X						BENG 1880	3	Quantitative Biological Systems		
X						BENG 2330	3	Properties of Biomaterials		
X		X				BENG 2400	3	Biological Thermodynamics	Engr 2300	3
	X	X				BIOL 1010	3	Biology and the Citizen	BIO 1010	3
X						BIOL 1610	4	Biology I	BIO 1610+1615	4+1
X						BIOL 3300	4	General Microbiology	BIO 2060+2065	3+1
	X	X				CEE 1880	1	CEE Orientation & Computer Applications	Engr 1000	2
	X	X				CEE 2240	3	Engineering Surveying	Engr 2240	3
X	X	X				CEE 2870	2	Intro to Programming	CS 1400	3
		X				CEE 2890	1	Sophomore Seminar - Environmental	Engr 1000	2
X	X	X			X	CHEM 1210+1215	4+1	Principles of Chemistry I + Lab I	Chem 1210+1215	4+1
		X				CHEM 1220+1215	4+1	Principles of Chemistry II + Lab II	Chem 1220+1225	4+1
X						CHEM 2300	3	Principles of Organic Chemistry	Chem 2310	4
X						CHEM 2315	1	Organic Chemistry Lab I	Chem 2315	1
X						CHEM 3700	3	Introduction to Biochemistry		
X						CHEM 3710	1	Introduction to Biochemistry Lab		
			X	X	X ²	CS 1400	3	Intro to Computer Science - CS 1	CS 1400 ^{1,2}	3
					X	CS 1405	1	Intro to Computer Science - CS 1 Lab	CS 1405 ¹	1
			X	X		CS 1410	3	Intro to Computer Science - CS 2	CS 1410 ¹	3
			X			CS 2420	3	Algorithms & Data Structures - CS 3	CS 2420 ¹	3
			X			CS 3100	3	OS + Concurrency		
			X	X		ECE 2250	3	Electrical Circuits I	Engr 2250+2255	3+1
			X	X		ECE 2290	3	Electrical Circuits II		
			X	X		ECE 2700	4	Digital Circuits	Engr 2700+2705	3+1
X	X	X	X	X	X	ENGL 1010	3	Introduction to Writing	Engl 1010	3
X	X	X	X	X	X	ENGL 2010	3	Intermediate Writing	Engl 2010	3
X	X	X			X	ENGR 2010	2	Engineering Mechanics - Statics	Engr 2010	3
X	X	X			X	ENGR 2030	3	Engineering Mechanics - Dynamics	Engr 2030	3
	X				X	ENGR 2140	2	Strength of Materials	Engr 2140	3
X	X		X	X		ENGR 2450	3	Engineering Numerical Methods	Engr 2450	3
X	X				X	ENGR 2210	2	Fundamental Electronics	Engr 2250+2255	3+1
X	X	X				ENGR 2270	2	Computer Engineering Drafting	ENGR 1300	3
	X					GEO 1110/1115	3+1	Dynamic Earth	Geo 1110+1115	3+1
					X	MAE 1200	2	Engineering Graphics	ENGR 1300	3
					X	MAE 2160	3	Material Science	ENGR 2160	3
					X	MAE 2165	1	Material Science Lab		
	X				X	MAE 2300	3	Thermodynamics I	Engr 2300	3
X	X	X	X	X	X	MATH 1210	4	Calculus I	Math 1210	5
X	X	X	X	X	X	MATH 1220	4	Calculus II	Math 1220	4
	X			X	X	MATH 2210	3	Multivariable Calculus	Math 2210	3
X	X	X			X	MATH 2250	4	Linear Algebra & Differential Equations	Math 2250	4
			X	X		MATH 2270	3	Linear Algebra	Math 2270	3
			X	X		MATH 2280	3	Ordinary Differential Equations	Math 2280	3
			X			MATH 3310	3	Discrete Mathematics	Math 1630	3
			X	X		MATH 5710	3	Introduction to Probability		
X	X	X	X	X	X	PHYS 2210 + 2215	4+1	General Physics - Science I	Phys 2210+2215	4+1
	X		X	X	X	PHYS 2220 + 2225	4+1	General Physics - Science II	Phys 2220+2225	4+1

¹Series should be completed at one school snow.edu
²Mechanical Engineering requires C++, C or C# can be acceptable.