

WWCC

USU

Required by USU Major

Course	Cr	Course	Cr	Course Title	BE ⁵	CI ⁵	EN ⁵	CS ⁵	CM ⁵	EL ⁵	ME ⁵
No Equivalent		BENG 1880	3	Quantitative Biological Systems	X						
No Equivalent		BENG 2330	3	Properties of Biomaterials	X						
No Equivalent		BENG 2400	3	Biological Thermodynamics	X		X				
BIOL 202	4	BIOL 1010	3	Biology and the Citizen		X	X	X			
No Equivalent		BIOL 1610 + 1615	3+1	Biology I	X						
BIOL 303	4	BIOL 3300	4	General Microbiology	X						
No Equivalent		CEE 1880	1	CEE Orientation & Computer Applications		X	X				
No Equivalent		CEE 2240	3	Engineering Surveying		X	X				
CHEM 111	4	CHEM 1210+1215	4+1	Principles of Chemistry I + Lab I	X	X	X	X ⁴			X
CHEM 112	4	CHEM 1220+1225	4+1	Principles of Chemistry II + Lab II			X	X ⁴			
CHEM 303	4	CHEM 2300	3	Principles of Organic Chemistry	X		X				
CHEM 303	-	CHEM 2315	1	Organic Chemistry Lab I	X						
CHEM 350	4	CHEM 3700	3	Introduction to Biochemistry	X						
CHEM 350	-	CHEM 3710	1	Introduction to Biochemistry Lab	X						
CMPT 201 1	4	CS 1400	4	Intro to Computer Science - CS 1		X	X	X	X ²	X ²	X ²
CMPT 2021	4	CS 1410	3	Intro to Computer Science - CS 2				X	X	X	
CMPT 306 1	4	CS 2420	3	Algorithms & Data Structures - CS 3				X	X		
No Equivalent		CS 2410	3	Intro to Event-driven Programming & GUIs				X			
No Equivalent		CS 2610	3	Developing Web Applications				X			
No Equivalent		CS 3000	1	Undergraduate Seminar				X			
CMPT 351	4	CS 3100	3	OS + Concurrency				X	X		
No Equivalent		CS 3810	3	Organization & Architecture				X			
No Equivalent		ECE 2250	3	Electrical Circuits I					X	X	
No Equivalent		ECE 2290	3	Electrical Circuits II					X	X	
No Equivalent		ECE 2700	4	Digital Circuits					X	X	
ENGL 108	3	ENGL 1010	3	Introduction to Writing	X	X	X	X	X	X	X
No Equivalent		ENGL 2010	3	Intermediate Writing	X	X	X	X	X	X	X
No Equivalent		ENGR 2010	3	Engineering Mechanics - Statics	X	X	X				X
No Equivalent		ENGR 2030	3	Engineering Mechanics - Dynamics		X	X				X
No Equivalent		ENGR 2140	3	Mechanics of Materials	X	X					X
No Equivalent		ENGR 2450	3	Engineering Numerical Methods	X						
No Equivalent		ENGR 2210	3	Fundamental Electronics	X	X ³					X
No Equivalent		ENGR 2270	2	Computer Engineering Drafting	X	X	X				
No Equivalent		GEO 1110+1115	3+1	Dynamic Earth		X					
No Equivalent		MAE 1200	2	Engineering Graphics							X
No Equivalent		MAE 2160	3	Material Science							X
No Equivalent		MAE 2165	1	Material Science Lab							X
No Equivalent		MAE 2300	3	Thermodynamics I		X ³					X
MATH 201	4	MATH 1210	4	Calculus I	X	X	X	X	X	X	X
MATH 2021	4	MATH 1220	4	Calculus II	X	X	X	X	X	X	X
MATH 2031	4	MATH 2210	3	Multivariable Calculus		X				X	X
MATH 311+363		MATH 2250	4	Linear Algebra & Differential Equations	X	X	X				X
MATH 311	4	MATH 2270	3	Linear Algebra				X	X	X	
MATH 363	4	MATH 2280	3	Ordinary Differential Equations					X	X	
No Equivalent		MATH 3310	3	Discrete Mathematics				X	X		
No Equivalent		MATH 5710	3	Introduction to Probability						X	
PHYS 211	4	PHYS 2210 + 2215	4+1	General Physics - Science I	X	X	X	X ⁴	X	X	X
PHYS 212	4	PHYS 2220 + 2225	4+1	General Physics - Science II				X ⁴	X	X	X

¹Series should be completed at one school (wwcc.cc.wy.edu).

²Mechanical Engineering requires C++ or C. Electrical/Computer Engineering requires C++.

³Civil Engineering students can choose one out of ENGR 2210 and MAE 2300.

⁴Computer Science students can choose either PHYS 2210&2220 or CHEM 1210&1220.

⁵BE= Biological Engineering, CI = Civil Engineering, EN = Environmental Engineering, CS = Computer Science, CM = Computer Engineering, EL = Electrical Engineering, ME = Mechanical Engineering.

Additional classes may be acceptable for the professional program. Contact USU for more information.

ACADEMIC YEAR 2017 - 18