College of Engineering
UtahStateUniversity

Transfer Table

Brigham Young University - Idaho to Utah State University

BYU-I		USU			Required by USU Major					
Course	Cr	Course	Cr	Course Title	BE[5]	CI[5]	EN[5]	CM[5]	EL[5]	ME[5]
ME 172[6]	3	BENG 1200	2	SolidWorks	X					
No Equivalent		BENG 1880	3	Quantitative Biological Processes	X					
No Equivalent		BENG 2330	3	Properties of Biological Materials	X					
ME 322	3	BENG 2400	3	Biological/Environmental Thermodynamics	X		X			
No Equivalent		BIOL 1010	3	Biology and the Citizen		X	X			
BIO 180	3	BIOL 1610	3	Biology I	X					
BIO 180L	1	BIOL 1615	1	Biology I Lab	X					
BIO 321	4	BIOL 3300	4	General Microbiology	X					
CS 124	3	CEE 1400	2	Introduction to Computer Programming		X	X			
No Equivalent		CEE 1880	1	Orientation & Computer Applications		X	X			
No Equivalent		CEE 2240	3	Engineering Surveying		X	X			
ME 172[6] **or** 162	3	CEE 2270	2	Computer Engineering Drafting		X	X			
CHEM 105	3	CHEM 1210	4	Principles of Chemistry I	X	X	X			X
CHEM 105L	1	CHEM 1215	1	Chemical Principles Lab I	X	X	X			X
CHEM 106	3	CHEM 1220	4	Principles of Chemistry II			X			
CHEM 106L	1	CHEM 1225	1	Chemical Principles Lab II			X			
CHEM 351	3	CHEM 2300 + 2315	3+1	Principles of Organic Chemistry + Organic Chemistry I Lab	X X		X			
CHEM 351	3	CHEM 2300	3	Principles of Organic Chemistry	X		X			
CHEM 351L	1	CHEM 2315	1	Organic Chemistry Lab I	X					
CHEM 481	3	CHEM 3700	3	Introductory Biochemistry	X					
No Equivalent		CHEM 3710	1	Introductory Biochemistry Lab	X					
CS 124	3	CS 1400	4	Intro to Computer Science - CS I	X	X	X			X
CS 235	3	CS 2420	3	Algorithms & Data Structures - CS 3				X		
See Advisor		ECE 1400	4	Computer Programming I				X[1]	X[1]	
See Advisor		ECE 1410	3	Computer Programming II				X	X	
ECEN 150	3	ECE 2250	3	Electrical Circuits 1				X	X	
ECEN 250	4	ECE 2290	3	Electrical Circuits 2				X	X	
ECEN 160 + 160L	3+1	ECE 2700	4	Digital Circuits				X	X	
HUM 305	3	ENGL 1010	3	Introduction to Writing: Academic Prose	X	X	X	X	X	X
No Equivalent		ENGL 2010	3	Intermediate Writing: Research Writing	X	X	X	X	X	X
ME 201	3	ENGR 2010	3	Engineering Mechanics Statics	X	X	X			X
ME 204	3	ENGR 2030	3	Engineering Mechanics Dynamics		X	X			X
ME 202	3	ENGR 2140	3	Mechanics of Materials	X	X				X
ECEN 150	3	ENGR 2210	3	Fundamental Electronics		X[2]				X
No Equivalent		ENGR 2450	3	Numerical Methods	X					
GEOL 111	3	GEO 1110	3	Physical Geology		X				
GEOL 111L	1	GEO 1115	1	Physical Geology Lab		X				
No Equivalent		MAE 1010	3	Introduction to Mechanical Engineering						X
ME 272	3	MAE 1200	2	Engineering Graphics	X					X
ME 250	3	MAE 2160	3	Material Science						X
ME 250L	1	MAE 2165	1	Material Science Lab						X
ME 322	3	MAE 2300	3	Thermodynamics I		X[2]	X			X
No Equivalent		MAE 2450	3	Engineering Numerical Methods						X
MATH 112	4	MATH 1210	4	Calculus I	X	X	X	X	X	X
MATH 113	3	MATH 1220	4	Calculus II	X	X	X	X	X	X
MATH 215 **or** 214	4**or**3	MATH 2210	3	Multivariable Calculus		X			X	X
MATH 316[4]	4	MATH 2250	4	Linear Algebra & Differential Equations	X	X	X			X
MATH 341	3	MATH 2270	3	Linear Algebra				X	X	
No Equivalent		MATH 2280	3	Ordinary Differential Equations				X	X	
No Equivalent		MATH 3310	3	Discrete Mathematics				X		
MATH 423	3	MATH 5710	3	Introduction to Probability				X[3]	X	
PH 121	3	PHYS 2210 + 2215	4+1	Physics for Scientists and Engineers I + Lab	X	X	X	X	X	X
PH 123	3	PHYS 2210 + 2215	4+1	Physics for Scientists and Engineers I + Lab	X	X	X	X	X	X
PH 150	1	PHYS 2215	1	Physics for Scientists and Engineers Lab I	X	X	X	X	X	X
PH 121 + 123 + 220	3+3+3	PHYS 2210 + 2215 + 2220 + 2225	4+1 4+1	Physics for Scientists and Engineers I + Lab Physics for Scientists and Engineers II + Lab	X	X	X	X X	X X	X X

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MATH 330	3	STAT 3000	3	Statistics for Scientists	X		X	X[3]		

[1]Electrical and Computer Engineering requires C++. C will be evaluated on a case by case basis.
[2]Civil Engineering students can choose one out of ENGR 2210 and MAE 2300.
[3]Computer Engineering students can choose one out of MATH 5710 and STAT 3000.
[4]Courses that count for MATH 2270 and MATH 2280 can be combined to fulfill the credit for MATH 2250.
(MATH 2270 + MATH 2280 = MATH 2250).
[5]BE= Biological Engineering, CI = Civil Engineering, EN = Environmental Engineering,
CM = Computer Engineering, EL = Electrical Engineering, ME = Mechanical Engineering.
[6]ME 172 from BYU-I will transfer as either BENG 1200 or CEE 2270, but not both.

ACADEMIC YEAR
2022-23

Your courses may transfer as listed. Additional classes may be acceptable for the professional program. Contact USU for more information.