

MATH AND SCIENCE ELECTIVES, BS IN SOFTWARE ENGINEERING

Code	Title	Hours
Math Electives		
MATH 1220	Calculus II	4
MATH 2210	Calculus III	3
MATH 3080	Foundations of Data Science	3
MATH 3280	Data Mining	3
MATH 3480	Machine Learning	3
Physical Science Electives		
CHEM 1210 & CHEM 1215	Principles of Chemistry I PS and Principles of Chemistry Lab I	5
CHEM 1220 & CHEM 1225	Principles of Chemistry II PS and Principles of Chemistry Lab II	5
GEO 1110 & GEO 1115	Physical Geology PS and Physical Geology Lab LB	4
GEO 1220 & GEO 1225	Historical Geology and Historical Geology Lab	4
PHYS 2210 & PHYS 2215	Physics for Scientists and Engineers I and Physics for Scientists and Engineers I Lab	5
PHYS 2220 & PHYS 2225	Physics for Scientists and Engineers II and Physics for Scientists and Engineers II Lab	5
PHYS 2710	Introductory Modern Physics	3
Life Science Electives		
BIOL 1610 & BIOL 1615	Biology I LS and Biology I Laboratory LB	5
BIOL 1620 & BIOL 1625	Biology II and Biology II Laboratory	5
BIOL 2030 & BIOL 2035	Introductory Genetics and Introductory Genetics Lab	5
BIOL 2060 & BIOL 2065	Introductory Microbiology LS and Intro Microbiology Lab LB	4
BIOL 2200 & BIOL 2205	General Microbiology and General Microbiology Lab	5
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	4
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4