

INTERDISCIPLINARY STUDIES (B.S.) 4 - 8 MATH SCIENCE

Degree: Bachelor of Science

Major: Interdisciplinary Studies

Concentration: 4-8 Math/Science

Total Hours: 127

Code	Title	Hours
General Education Core Curriculum		
<i>Communication</i>		
ENGL 1301	Composition I	3
COMM 1315	Public Speaking I	3
<i>Mathematics</i>		
MATH 1314	College Algebra(Non-Calculus)	3
<i>Life and Physical Sciences</i>		
BIOL 1406	General Biology I (Majors)	4
PHYS 1405	Elementary Physics I	4
<i>Language, Philosophy and Culture</i>		
PHIL 1370	Philosophy of Knowledge	3
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		
HIST 1301	U S History I 1763-1877	3
HIST 1302	U S History II Since 1877	3
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Sciences</i>		
PSYC 2301	General Psychology	3
or SOCI 1301	Introduction to Sociology	
<i>Component Area Option</i>		
ENGL 1302	Composition II	3
MATH 1324	Mathematics for Business and Social Sciences	3
Required Major Courses		
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1311	General Chemistry I	3
Chemistry		4
CHEM 2411	Integrated Sciences	

CHEM 1306 & CHEM 1106	Chemistry for Allied Health Sciences and Chemistry for Allied Health Sciences Laboratory	
GEOL 2376	World and Economic Geography	3
GEOL 4101	Special Topic Earth Science	1
GEOL 4301	Special Topic Earth Science	3
GEOL 4370	Meteorology	3
MATH 1316	Trigonometry	3
MATH 2310	Mathematical Modeling I	3
MATH 3300	History of Mathematics	3
MATH 3311	Foundations of Mathematics I	3
MATH 3312	Probability Statistics and Statistical Modeling	3
MATH 3313	Elementary Geometry	3
MATH 3322	Introduction to Advanced Mathematics	3
MATH 4307	Problem Solving	3
MATH 4321	Topics in Secondary Math	3
PEDG 2310	Introduction to Teacher Education	3
PEDG 2342	Diversity of Learners	3
PEDG 3300	Human Development and Learning	3
PEDG 3332	Technology in Education	3
PEDG 3350	Mathematics Methods for Teachers	3
PEDG 3352	Science Methods for Teachers	3
PEDG 4320	Residency	3
PEDG 4320	Residency	3
PEDG 4340	Managing Early Childhood Classroom Environment	3
PEDG 4355	Inclusion in the General Education Classroom	3
PEDG 4370	Assessment	3
READ 3326	Content Area Reading	3

Total Hours **125**

Course	Title	Hours
First Year		
Fall		
ENGL 1301	Composition I	3
COMM 1315	Public Speaking I	3
HIST 1301	U S History I 1763-1877	3
MATH 1314	College Algebra(Non-Calculus)	3
PHYS 1405	Elementary Physics I	4
Hours		16
Spring		
ENGL 1302	Composition II ¹	3
PHIL 1370	Philosophy of Knowledge ¹	3
HIST 1302	U S History II Since 1877 ¹	3
MATH 1316	Trigonometry	3
POLS 2301	Intro to American Government I ¹	3
Hours		15
Summer		
Select one of the following:		4
CHEM 2411	Integrated Sciences	
CHEM 1306 & CHEM 1106	Chemistry for Allied Health Sciences and Chemistry for Allied Health Sciences Laboratory	
Hours		4
Second Year		
Fall		
PEDG 2310	Introduction to Teacher Education	3
BIOL 1406	General Biology I (Majors)	4

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PSYC 2301 or SOCI 1301	General Psychology or Introduction to Sociology	3
POLS 2302	Intro/American Government II	3
PEDG 2342	Diversity of Learners	3
MATH 1324	Mathematics for Business and Social Sciences	3
Hours		19
Spring		
PEDG 3300	Human Development and Learning	3
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Laboratory	4
MATH 3313	Elementary Geometry	3
MATH 2310	Mathematical Modeling I	3
Creative Arts		3
Hours		16
Summer		
MATH 3312	Probability Statistics and Statistical Modeling	3
Hours		3
Third Year		
Fall		
PEDG 4340	Managing Early Childhood Classroom Environment	3
MATH 3300	History of Mathematics	3
MATH 3311	Foundations of Mathematics I	3
GEOL 4370	Meteorology	3
MATH 3322	Introduction to Advanced Mathematics	3
Hours		15
Spring		
PEDG 3350	Mathematics Methods for Teachers	3
PEDG 3352	Science Methods for Teachers	3
MATH 4321	Topics in Secondary Math	3
MATH 4307	Problem Solving	3
PEDG 3332	Technology in Education	3
Hours		15
Summer		
GEOL 4301	Special Topic Earth Science	3
GEOL 4101	Special Topic Earth Science	1
Hours		4
Fourth Year		
Fall		
PEDG 4320	Residency	3
READ 3326	Content Area Reading	3
GEOL 2376	World and Economic Geography	3
Hours		9
Spring		
PEDG 4306	Special Topics	3
PEDG 4370	Assessment	3
PEDG 4355	Inclusion in the General Education Classroom	3
Hours		9
Total Hours		125