

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

Degree: Bachelor of Science

Major: Interdisciplinary Studies

Concentration: 4-8 Math

Total Hours: 120

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 2311	Precalculus I	3
<i>Life and Physical Sciences¹</i>		
BIOL 1406 or BIOL 2401	General Biology I (Majors) Anatomy and Physiology I	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 or SOCI 1301	General Psychology Introduction to Sociology	3
<i>Component Area Option</i>		
ENGL 1302	Composition II	3
MATH 2311	Precalculus I	3
Required Major Courses		
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
MATH 1316	Trigonometry	3
MATH 1324	Mathematics for Business and Social Sciences	3
MATH 1333	Contemporary Mathematics II	3
MATH 3300	History of Mathematics	3
MATH 3312	Probability Statistics and Statistical Modeling	3
MATH 3313	Elementary Geometry	3
MATH 3321	Discrete Structures	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 3330	Understanding English Learners	3
PEDG 3332	Technology in Education	3
PEDG 3350	Mathematics Methods for Teachers	3
PEDG 4306	Special Topics	3
PEDG 4340	Managing Early Childhood Classroom Environment	3
PEDG 4306	Special Topics	3
PEDG 4355	Inclusion in the General Education Classroom	3
PEDG 4370	Assessment	3
READ 3326	Content Area Reading	3
SPSC 1301	Space Exploration	3

Total Hours **120**

¹ The additional hour from PHYS 1405 Elementary Physics I is applied to Math and Science Requirements.

Course	Title	Hours
First Year		
Fall		
ENGL 1301	Composition I ¹	3
COMM 1315	Public Speaking I ¹	3
HIST 1301	U S History I 1763-1877 ¹	3
MATH 2311	Precalculus I	3
PSYC 2301 or SOCI 1301	General Psychology ^{1,2} or Introduction to Sociology	3
Hours		15
Spring		
ENGL 1302	Composition II ¹	3
PHIL 1370	Philosophy of Knowledge ¹	3
HIST 1302	U S History II Since 1877 ¹	3
BIOL 1406 or BIOL 2401	General Biology I (Majors) or Anatomy and Physiology I	4
POLS 2301	Intro to American Government I	3
Hours		16
Summer		
Chemistry		4
CHEM 2411	Integrated Sciences	
CHEM 1306 & CHEM 1106	Chemistry for Allied Health Sciences and Chemistry for Allied Health Sciences Laboratory	
Hours		4

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Second Year

Fall		
PEDG 2310	Introduction to Teacher Education	3
SPSC 1301	Space Exploration	3
MATH 3313	Elementary Geometry	3
MATH 1316	Trigonometry	3
PEDG 2342	Diversity of Learners	3

Hours **15**

Spring		
PEDG 3300	Human Development and Learning	3
PHYS 1405	Elementary Physics I	4
MATH 1333	Contemporary Mathematics II	3
MATH 2310	Mathematical Modeling I	3
Creative Arts		3

Hours **16**

Third Year

Fall		
MATH 3316	Calculus Concept & Modeling II	3
PEDG 3330	Understanding English Learners	3
POLS 2302	Intro/American Government II	3
MATH 3312	Probability Statistics and Statistical Modeling	3
MATH 3321	Discrete Structures	3
PEDG 4340	Managing Early Childhood Classroom Environment	3

Hours **18**

Spring		
PEDG 3350	Mathematics Methods for Teachers	3
MATH 3300	History of Mathematics	3
MATH 3322	Introduction to Advanced Mathematics	3
READ 3326	Content Area Reading	3
PEDG 3332	Technology in Education	3
GEOL 2376	World and Economic Geography	3

Hours **18**

Fourth Year

Fall		
MATH 4321	Topics in Secondary Math	3
MATH 4307	Problem Solving	3
PEDG 4306	Special Topics	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 **120**

¹ Core Curriculum Course

² Students should meet with their academic advisor to choose their best option.