

# INTERDISCIPLINARY STUDIES (B.S.) 4 - 8 COMPOSITE SCIENCE

Degree: Bachelor of Science

Major: Interdisciplinary Studies

Concentration: 4-8 Composite Science

Total Hours: 123

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<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>		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
<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 1350	Fundamentals of Math for Elementary School Teachers	3
<b>Required Major Courses</b>		
<i>Reading Requirement</i>		

READ 3326	Content Area Reading	3
<i>Major/Certification Courses</i>		
BIOL 1407	General Biology II (Majors)	4
BIOL 3450	General Botany	4
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II Laboratory	4
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	
GEOL 1403	Geology I: Physical Geology	4
GEOL 2376	World and Economic Geography	3
GEOL 4301 & GEOL 4101	Special Topic Earth Science and Special Topic Earth Science	4
GEOL 4370	Meteorology	3
GEOL 4380	Oceanography	3
PHYS 1401	College Physics I	4
SPSC 1301	Space Exploration	3
<i>Math Requirements</i>		
MATH 3312	Probability Statistics and Statistical Modeling	3
MATH 1316	Trigonometry	3
or MATH 2312	Pre Calculus and Elementary Functions	
<i>Pedagogy/Professional Responsibilities</i>		
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 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
<b>Total Hours</b>		<b>123</b>
<b>Course</b>	<b>Title</b>	<b>Hours</b>
<b>First Year</b>		
<b>Fall</b>		
ENGL 1301	Composition I	3
COMM 1315	Public Speaking I	3
MATH 1314	College Algebra(Non-Calculus)	3
HIST 1301	U S History I 1763-1877	3
SPSC 1301	Space Exploration	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ENGL 1302	Composition II	3
PHIL 1370	Philosophy of Knowledge	3
MATH 1350	Fundamentals of Math for Elementary School Teachers	3
POLS 2301	Intro to American Government I	3
HIST 1302	U S History II Since 1877	3
<b>Hours</b>		<b>15</b>
<b>Summer</b>		
Select one of the following:		4
CHEM 1306 & CHEM 1106	Chemistry for Allied Health Sciences and Chemistry for Allied Health Sciences Laboratory	

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CHEM 2411	Integrated Sciences	
<b>Hours</b>		<b>4</b>
<b>Second Year</b>		
<b>Fall</b>		
PEDG 2310	Introduction to Teacher Education	3
BIOL 1406	General Biology I (Majors)	4
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
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
PEDG 3300	Human Development and Learning	3
GEOL 1403	Geology I: Physical Geology	4
GEOL 2376	World and Economic Geography	3
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II Laboratory	4
Creative Arts		3
<b>Hours</b>		<b>17</b>
<b>Summer</b>		
MATH 3312	Probability Statistics and Statistical Modeling	3
<b>Hours</b>		<b>3</b>
<b>Third Year</b>		
<b>Fall</b>		
PEDG 4340	Managing Early Childhood Classroom Environment	3
MATH 1316 or MATH 2312	Trigonometry or Pre Calculus and Elementary Functions	3
GEOL 4370	Meteorology	3
PHYS 1405	Elementary Physics I	4
BIOL 1407	General Biology II (Majors)	4
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
PEDG 3352	Science Methods for Teachers	3
PEDG 3332	Technology in Education	3
PHYS 1401	College Physics I	4
BIOL 3450	General Botany	4
<b>Hours</b>		<b>14</b>
<b>Summer</b>		
GEOL 4301 & GEOL 4101	Special Topic Earth Science and Special Topic Earth Science	4
<b>Hours</b>		<b>4</b>
<b>Fourth Year</b>		
<b>Fall</b>		
PEDG 4320	Residency	3
READ 3326	Content Area Reading	3
GEOL 4380	Oceanography	3
<b>Hours</b>		<b>9</b>
<b>Spring</b>		
PEDG 4320	Residency	3
PEDG 4370	Assessment	3
PEDG 4355	Inclusion in the General Education Classroom	3
<b>Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>123</b>