

CATALOG YEAR 2012-2013

College of Arts and Sciences/ Dept. of Biology and Chemistry

Program: Delete: Add: Change: X Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.

Change: BIOL 1406 Cell & Molecular Biology to Principles of Biology I
 BIOL 1411 General Botany to Principles of Biology II
 BIOL 1413 General Zoology to Principles of Biology III

Order of some classes changed (in red)

**BACHELOR OF ARTS
 MAJOR IN BIOLOGY**

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Principles of Biology I	4	BIOL Biology Elective¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
PSCI 2305 American National Govt	3	MATH 2412 Pre-Calculus	4
Total	14		15
 JUNIOR YEAR		 JUNIOR YEAR	
BIOL 3413 Intro to Genetics	4	BIOL 3413 Advanced Biology Elec²	4
BIOL Advanced Biology Elec²	4	BIOL 4170 Biology Seminar	1
HIST 1301 The U.S. to 1877	3	BIOL Advanced Biology Elec²	4
PSCI 2306 American State Govt	3	BIOL Advanced Biology Elec²	4
Minor/General Elective^{**}	<u>3</u>	Minor/General Elective^{**}	<u>3</u>
Total	17		16

**BACHELOR OF ARTS
MAJOR IN BIOLOGY
WITH GRADES 8 -12 CERTIFICATION**

FALL		HOURS	SPRING		HOURS
FRESHMAN YEAR			FRESHMAN YEAR		
BIOL 1406	Principles of Biology I	4	BIOL 1411	Principles of Biology II	4
CHEM 1411	General Chemistry I	4	CHEM 1412	General Chemistry II	4
ENGL 1301	English Composition I	3	ENGL 1302	English Composition II	3
PSCI 2305	American National Govt	3	MATH 2412	Pre-Calculus	4
HIST 1301	The U.S. to 1877	<u>3</u>	HIST 1302	The U.S. Since 1877	<u>3</u>

SOPHOMORE YEAR

BIOL 1413	Principles of Biology III	4
CHEM 2423	Organic Chemistry I	4
MATH 1342	Introductory Statistics	3
ENGL	Survey of Literature*	3
MATH 2413	Calculus I	<u>4</u>
Total		18

SOPHOMORE YEAR

BIOL 2421	Microbiology	4
BIOL 3410	Ecology	4
PSCI 2306	American State Govt	3
	Activity/Wellness*	1
ENGL 2311	Technical Writing	<u>3</u>
Total		15

**BACHELOR OF SCIENCE
MAJOR IN BIOLOGY**

FALL		HOURS	SPRING		HOURS
FRESHMAN YEAR			FRESHMAN YEAR		
BIOL 1406	Principles of Biology I	4	BIOL 1411	Principles of Biology II	4
CHEM 1411	General Chemistry I	4	CHEM 1412	General Chemistry II	4

ENGL 1301	English Composition I	3	ENGL 1302	English Composition II	3
PSCI 2305	American National Govt	3	MATH 2412	Pre-Calculus	4
HIST 1301	The U.S. to 1877	<u>3</u>	HIST 1302	The U.S. Since 1877	<u>3</u>
Total		17			18

SOPHOMORE YEAR

BIOL 1413	Principles of Biology III	4
CHEM 2423	Organic Chemistry I	4
MATH 1342	Introductory Statistics	3
ENGL	Survey of Literature*	3
MATH 2413	Calculus I	<u>4</u>
Total		18

SOPHOMORE YEAR

BIOL 2421	Microbiology	4
CHEM 2425	Organic Chemistry II	4
PSCI 2306	American State Govt	3
ENGL 2311	Technical Writing	3
	Activity/Wellness*	<u>1</u>
Total		15

JUNIOR YEAR

BIOL 3413	Intro to Genetics	4
BIOL	Restricted Biology Elec¹	4
PHYS 1301	General Physics I	3
PHYS 1101	Physics I Lab	1
	Visual/Performing Arts	<u>3</u>
Total		15

JUNIOR YEAR

BIOL 3412	Cell Biology	4
BIOL	Restricted Biology Elec¹	4
PHYS 1302	General Physics II	3
PHYS 1102	Physics II Lab	1
	Soc/Behavioral Science*	<u>3</u>
Total		15

**BACHELOR OF SCIENCE
MAJOR IN CHEMISTRY**

FALL		HOURS	SPRING		HOURS
FRESHMAN YEAR					
BIOL 1406	Principles of Biology I	4	CHEM 1412	General Chemistry II	4
CHEM 1411	General Chemistry I	4	ENGL 1302	English Composition II	3
ENGL 1301	English Composition I	3	HIST 1302	The U.S. Since 1877	3
HIST 1301	The U.S. to 1877	<u>3</u>		Minor Curriculum**	4
				Activity/Wellness*	<u>1</u>
Total		14			15

**BACHELOR OF SCIENCE
MAJOR IN SCIENCE
WITH GRADES 8 - 12 CERTIFICATION**

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Principles of Biology I	4	BIOL Biology Elective ¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	MATH 2412 Pre Calculus	4
PSCI 2305 American National Govt	<u>3</u>	HIST 1302 The U.S. Since 1877	<u>3</u>
Total	17		18

**BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES
MAJOR IN SCIENCE
WITH GRADES 4-8 CERTIFICATION**

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1406 Principles of Biology I	4	BIOL Biology Elective ¹	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	<u>3</u>	PSCI 2306 American State Govt	3
		HIST 1302 The U.S. Since 1877	<u>3</u>
Total	14		17

Justification: Increase transferability of the courses

Approvals: Chair Department Curriculum Committee Chair Department Chair College Curriculum Committee Dean	Signature 	Date
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