BIOLOGY (BA)

Program Map

Suggested four year course schedule with MATH 0999B Support for College Algebra B or MATH 0999C Support for College Algebra C

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Course	Title		
First Year Fall			
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)		
AREA C	Fine Arts		
AREA E	World Culture		
BIOL 1715	Professionalism and Careers in Biology (Highly recommended Area F Guided Elective to be taken in the first year.)		
ENGL 1101	English Composition I (minimum grade of C)		
MATH 1111	College Algebra (minimum grade of C)	3	
MATH 0999B	Support for College Algebra B ¹		
or MATH 0999	or Support for College Algebra C C		
	Credit Hours	14	
Spring			
BIOL 1231K	minimum grade of C	4	
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)		
ENGL 1102	English Composition II (minimum grade of C)	num grade of 3	
AREA G	Foreign Language 1001 (minimum grade of C)		
MATH 1113	Pre-Calculus (minimum grade of C) ²	4	
Second Year Fall	Credit Hours	18	
BIOL 1232K	minimum grade of C		
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)		
AREA G	Foreign Language 1002 (minimum grade of C)		
KINS 1106 or PHED 1205	Lifetime Wellness		
STAT 1401	Elementary Statistics (minimum grade of C)		
	Credit Hours	16	
Spring			
BIOL 2206K	Organismic Biology I (minimum grade of C)	4	
BIOL 2207K	Organismic Biology II (minimum grade of C)	4	
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002		

10510	E : 1 0001/:: 1 f	3
AREA G	Foreign Language 2001 (minimum grade of C)	
AREA I	Minor Requirement	3
	Credit Hours	17
Third Year		
Fall		
AREA E	Behavioral Science	3
AREA I	Elective (minimum grade of C)	2
BIOL 3215K	Cell Biology (minimum grade of C)	
BIOL 3216K	Genetics (minimum grade of C)	4
POLS 1101	American Government	
	Credit Hours	16
Spring		
AREA C	Humanities	3
BIOL 3217K	Ecology (minimum grade of C)	4
AREA H	BIOL Cell/Molecular Senior Elective	4
	(minimum grade of C)	
AREA I	Minor Requirement	3
AREA I	Minor Requirement	3
	Credit Hours	17
Fourth Year		
Fall		
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H		
	of C) BIOL Organismal Senior Elective (minimum	
AREA H	of C) BIOL Organismal Senior Elective (minimum grade of C)	4
AREA H HIST 2111	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865	4
AREA H HIST 2111 or HIST 2112	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865	4
AREA H HIST 2111 or HIST 2112 AREA I	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865	3
AREA H HIST 2111 or HIST 2112 AREA I	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement	4 3 3 1
AREA H HIST 2111 or HIST 2112 AREA I PEDS Activity	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement	4 3 3 1 13
AREA H HIST 2111 or HIST 2112 AREA I PEDS Activity Spring	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Credit Hours	4 3 3 1 13
AREA H HIST 2111 or HIST 2112 AREA I PEDS Activity Spring AREA I	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Credit Hours Elective BIOL Ecology/Evolution Senior Elective	4 3 3 1 13
AREA H HIST 2111 or HIST 2112 AREA I PEDS Activity Spring AREA I AREA H	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Credit Hours Elective BIOL Ecology/Evolution Senior Elective (minimum grade of C)	3 1 13 2 4
AREA H HIST 2111 or HIST 2112 AREA I PEDS Activity Spring AREA I AREA H AREA I	of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Credit Hours Elective BIOL Ecology/Evolution Senior Elective (minimum grade of C) Minor Requirement	4 3 1 13 2 4

Notes: MATH 0999B (2 credits) or MATH 0999C (1 credit) don't count toward the degree.

Suggested four year course schedule with MATH 1111 College Algebra

Course	Title	Credit Hours
First Year Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1

Notes: MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area I.

AREA C	Fine Arts	3	
BIOL 1231K	minimum grade of C		
BIOL 1715	Professionalism and Careers in Biology (Highly recommended Area F Guided Elective to be taken in the first year.)		
ENGL 1101	English Composition I (minimum grade of C)		
MATH 1111	College Algebra (minimum grade of C)		
	Credit Hours	15	
Spring			
BIOL 1232K	minimum grade of C		
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002		
ENGL 1102	English Composition II (minimum grade of C)		
AREA G	Foreign Language 1001 (minimum grade of C)	n grade of 3	
MATH 1113	Pre-Calculus (minimum grade of C) 1	4	
	Credit Hours	17	
Second Year Fall			
BIOL 2206K	Organismic Biology I (minimum grade of C)	4	
CHEM 1211	Principles of Chemistry I	4	
& 1211L	and Principles of Chemistry I Lab (minimum grade of C)		
AREA G	Foreign Language 1002 (minimum grade of C)	3	
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2	
STAT 1401	Elementary Statistics (minimum grade of C)	3	
	Credit Hours	16	
Spring			
BIOL 2207K	Organismic Biology II (minimum grade of C)	4	
BIOL 3216K	Genetics (minimum grade of C)	4	
CHEM 1212	· · · · · · · · · · · · · · · · · · ·		
& 1212L	and Principles of Chemistry II Lab (minimum grade of C)		
AREA G	Foreign Language 2001 (minimum grade of	3	
71112710	C)	Ü	
AREA I	Minor Requirement	3	
	Credit Hours	18	
Third Year			
Fall			
AREA E	Behavioral Science	3	
AREA I	Elective (minimum grade of C)	2	
BIOL 3215K	Cell Biology (minimum grade of C)	4	
AREA I	Minor Requirement	3	
POLS 1101	American Government	3	
Spring	Credit Hours	15	
Spring AREA C	Humanities	3	
AREA E	World Culture	3	
BIOL 3217K	Ecology (minimum grade of C)	4	
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AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	
AREA I	Minor Requirement	3
	Credit Hours	17
Fourth Year Fall		
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Organismal Senior Elective (minimum grade of C)	4
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
AREA I	Minor Requirement	3
PEDS Activity		1
	Credit Hours	13
Spring		
AREA I	Elective	2
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
AREA I	Minor Requirement	6
	Credit Hours	12
	Total Credit Hours	123

 $^{^{\}rm 1}\,$ Notes: MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area I.

Suggested four year course schedule with MATH 1113 Pre-Calculus or higher

Course	Title	Credit Hours
First Year Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (Highly recommended Area F Guided Elective to be taken in the first year.)	1
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1101	English Composition I (minimum grade of C)	3
	Credit Hours	16
Spring		
BIOL 1232K	minimum grade of C	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) ¹	4
	Credit Hours	15

Second Year Fall			
BIOL 2206K	Organismic Biology I (minimum grade of C)		
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002		
AREA G	Foreign Language 1001 (minimum grade of C)		
KINS 1106 or PHED 1205	Lifetime Wellness		
STAT 1401	Elementary Statistics (minimum grade of C)		
	Credit Hours	15	
Spring			
BIOL 2207K	Organismic Biology II (minimum grade of C)	4	
BIOL 3216K	Genetics (minimum grade of C)	4	
AREA G	Foreign Language 1002 (minimum grade of C)		
AREA I	Minor Requirement	3	
	Credit Hours	14	
Third Year Fall			
AREA E	Behavioral Science	3	
AREA I	Elective (minimum grade of C)	2	
BIOL 3215K	Cell Biology (minimum grade of C)	4	
AREA G	Foreign Language 2001 (minimum grade of C)		
POLS 1101	American Government	3	
	Credit Hours		
	Credit Hours	15	
Spring	Credit Hours	15	
Spring AREA C	Humanities	3	
AREA C	Humanities	3	
AREA C AREA E	Humanities World Culture	3	
AREA C AREA E BIOL 3217K	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective	3 3 4	
AREA C AREA E BIOL 3217K AREA H	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C)	3 3 4 4	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement	3 3 4 4	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade	3 3 4 4 2 3	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum	3 3 4 4 4 3 17	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865	3 3 4 4 3 17	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865	3 3 4 4 3 17	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112 AREA I	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Minor Requirement	3 3 4 4 3 17 2 4 3 3 1	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112 AREA I AREA I PEDS Activity	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement	3 3 4 4 3 17 2 4 3 3 3 3	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112 AREA I AREA I PEDS Activity Spring	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Minor Requirement Credit Hours	3 3 4 4 3 17 2 4 3 3 1 16	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112 AREA I AREA I PEDS Activity Spring AREA I	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Minor Requirement Credit Hours Elective	3 3 4 4 3 17 2 4 3 3 1 16 2	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112 AREA I AREA I PEDS Activity Spring AREA I Area G	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Minor Requirement Credit Hours Elective Elective	3 3 4 4 3 17 2 4 3 3 1 16 2 3	
AREA C AREA E BIOL 3217K AREA H AREA I Fourth Year Fall BIOL 4795 AREA H HIST 2111 or HIST 2112 AREA I AREA I PEDS Activity Spring AREA I	Humanities World Culture Ecology (minimum grade of C) BIOL Cell/Molecular Senior Elective (minimum grade of C) Minor Requirement Credit Hours Capstone Senior Seminar (minimum grade of C) BIOL Organismal Senior Elective (minimum grade of C) U. S. History to 1865 or U. S. History since 1865 Minor Requirement Minor Requirement Credit Hours Elective	3 3 4 4 3 17 2 4 3 3 1 16 2	

AREA I	Minor Requirement	3
	Credit Hours	15
	Total Credit Hours	123

 $^{^{\}rm 1}\,$ Notes: MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area I.