# Biology Associate in Science

#### **Degree Program Mentor**

For additional information regarding this degree, contact the Degree Program Mentor.



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#### **Program Objective**

The objective of the Biology Associate in Science is to prepare students for transfer to a bachelor's degree granting institution to major in a life science.

#### **Requirements for Graduation**

- 1. At least sixty-three designated semester credit hours.
- 2. Grade of "C" or better required in all Major Field Requirement courses.
- 3. Grade Point Average of 2.0 or better.
- 4. Fifteen semester credit hours in attendance at SSC.
- 5. Completion of Graduate Exit Survey.

**Please Note:** Consult with advisor for specific transfer requirements. General Education and Major Field requirements vary between universities.

Transfer Note: A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university with an associate in arts or associate in science degree the associate degree will satisfy all freshman and sophomore general education requirements at the four-year university.

General Educa	tion Requ	uirements
GOV	1113	American National Government3
HIST	1483	American History to 1877 or
HIST	1493	American History since 18773
ENG	1113	Composition I3
ENG	1213	Composition II3
SPCH	1143	Speech3
HUM		Any class designated as Humanities6
MATH	1523	Pre-Calculus for Bus-Biol3
SCIENCE		met by program
CAP	1103	Introduction to Microsoft Office3
HPER	1012	Wellness and Human Development or
		Two HPER Activity Courses2
STSC	1002	Learning Strategies2
ELECTIVE		Select from Psychology, Social
		Sciences, or Fine Arts3
Major Field Bo		40.
BIOL	quiremen 1214	ts21
BIOL	1214	Principles of Biology  Constrain Potentian PHOL 1224 Constrain Toplogy (Spring only)
BIOL		General Botany or BIOL 1234 General Zoology (Spring only)
CHEM		Microbiology General Chemistry I
PHYS		General Physics I (Fall only)
11113	2114	General Physics I (Pair Only)
Major Field Ele	ctives an	d Support 8
Select from the		
MATH		Calculus for Business and Biology
AGRI		Introduction to Animal Science (FO)
AGRI		Introduction to Plant and Soil Science (SO)
BIOL		General Botany (SO)
BIOL	1234	General Zoology (SO)
BIOL	2113	Introduction to Nutrition
BIOL	2114	Human Anatomy
BIOL		Human Physiology
CHEM		Introduction to Chemistry
CHEM		General Chemistry II (SO)
ENVS		Introduction to Environmental Science (FO)
PHYS	2224	General Physics II (SO)

#### MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE

Recommended Major Field Courses, Electives, and Support for Pre-Professional Emphasis in Medicine, Dentistry, and Optometry BIOL 1214 Principles of Biology or BIOL 1234 General Zoology......4 BIOL 2114 Human Anatomy.....4 BIOL 2214 Human Physiology ......4 2224 BIOL Microbiology.....4 CHEM 1315 General Chemistry I......5 General Chemistry II ......5 CHEM 1515 PHYS 2114 General Physics I ......4 PHYS 2214 General Physics II.....4 63

Professional school entrance requirements vary. Consult potential professional schools individually for specific entrance requirements for medicine, dentistry, optometry, physical therapy and veterinary medicine.

FO=FALL ONLY FOO=FALL ODD YRS ONLY FEO=FALL EVEN YRS ONLY

SO=SPRING ONLY SOO=SPRING ODD YRS ONLY SEO=SPRING EVEN YRS ONLY



### Biology - Associate in Science

### Degree Requirements Checklist 2023-24

A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university with an associate in arts or associate in science degree will satisfy all freshman and sophomore general education requirements at the four-year university.

	GENERAL EDUCATION REQUIREMENTS		Psychology, Soc. Science, or Fine Arts Elective
6 hrs.	Social Sciences		Select one of the following:
6 1115.	□ GOV 1113 American National Government		□ ANTH 1113 General Anthropology
	□ HIST 1483 American History Survey to 1877 <b>or</b>		□ ART 1103 Fundamentals of Art I
	· · · —		□ ART 1123 Drawing I
	HIST 1493 American History Survey since 1877		□ ART 2123 Ceramics I (FO)
9 hrs.	s. Language Arts		□ ART 2213 Watercolor I (SO)
	□ ENG 1113 Composition I		□ BA 2113 Macroeconomics
	☐ ENG 1213 Composition II		□ BA 2213 Microeconomics
	□ SPCH 1143 Speech		☐ CJ 1113 Introduction to Criminology
6 hrs.	Humanities		□ ENG 1313 Technical Writing (SOO)
	Select two of the following:		□ ENG 2103 Fiction Writing (FO)
	□ HUM		□ ENG 2113 Creative Writing (FO)
	□ HUM		□ ENG 2123 Introduction to Poetry (SO)
	any course with HUM prefix (list above) <u>or</u>		☐ GEOG 1123 World Regional Geography
	□ ART/HUM 1153 Art History I (FO)		□ NAS 1713 Seminole/Creek Language I
	□ ART/HUM 1163 Art History II (SO)		□ PSY 1113 General Psychology
	□ ART/HUM 1203 Art Appreciation		□ SOC 1113 Introduction to Sociology
	□ ENG 1803 Native American Literature (SEO)		
	□ ART 2323 Global Studies in Art (TBD Summer)	34 hrs.	TOTAL REQUIRED GENERAL EDUCATION HOURS
	□ ENG 2043 Global Studies in Language Arts	0	TOTAL REQUIRED GENERAL EDUCATION HOURS
	and Humanities (TBD Summer)		
	· · · · · · · · · · · · · · · · · · ·	21 hrs.	MAJOR FIELD REQUIREMENTS
	□ ENG/HUM 2413 Introduction to Literature (FO)		□ BIOL 1214 Principles of Biology
	□ ENG/HUM 2433 World Literature I (SO)		□ BIOL 1224 General Botany <b>or</b>
	□ ENG/HUM 2543 British Literature I (FEO)		□ BIOL 1234 General Zoology (SO)
	□ ENG/HUM 2653 British Literature II (FOO)		5, · · ,
	☐ ENG/HUM 2753 American Literature I (SEO)		□ BIOL 2224 Microbiology
	☐ ENG/HUM 2883 American Literature II (SOO)		□ CHEM 1315 General Chemistry I
	☐ HIST/HUM 2223 Early Western Civilization to 1660		□ PHYS 2114 General Physics I (FO)
	☐ HIST/HUM 2233 Modern Western Civilization since 1660	8 hrs.	MAJOR FIELD ELECTIVES AND SUPPORT
	□ MUS/HUM 1213 Music Appreciation I	0 1113.	Select from the following:
	□ MUS/HUM 1223 Music Appreciation II		□ MATH 2213 Calculus for Bus. and Biol.
	□ PHIL 1113 Introduction to Philosophy (FO)		□ AGRI 1104 Introduction to Animal Science (FO)
	□ SOC 2433 Global Studies in Culture and Diversity		□ AGRI 1204 Introduction to Plant and Soil Science (SO)
	(TBD Summer)		□ BIOL 1224 General Botany (SO)
	☐ SPCH/HUM 1523 Introduction to Theatre (FO)		□ BIOL 1234 General Zoology (SO)
3 hrs.	Mathematics		☐ BIOL 2113 Introduction to Nutrition
	☐ MATH 1523 Pre-Calculus for Bus-Biol		□ BIOL 2114 Human Anatomy
	Life Science		☐ BIOL 2214 Human Physiology
	✓ met by program		☐ CHEM 1114 Introduction to Chemistry
			☐ CHEM 1515 General Chemistry II (SO)
	Physical Science		□ ENVS 1114 Introduction to Environmental Science (FO)
	✓ met by program		□ PHYS 2224 General Physics II (SO)
3 hrs.	Computer Applications		2221 Seneral Thysics II (50)
	☐ CAP 1103 Introduction to Microsoft Office		TOTAL REQUIRED MANOR FIELD HOURS
2 hrs.	Health, Physical Education and Recreation	29 hrs.	TOTAL REQUIRED MAJOR FIELD HOURS
	□ HPER 1012 Wellness and Human Development <b>or</b>		
	Two HPER Activity Courses		MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE
2.1	•	63 hrs.	
2 hrs.	Student Success		
	Required during first semester		
	□ STSC 1002 Learning Strategies		

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## Semester by Semester Suggested Degree Plan\* Biology - Associate in Science

Cours	COURSE NUMBER- COURSE DESCRIPTION				
FRESHMAN YEAR, FALL					
	STSC 1002 LEARNING STRATEGIES		2		
	ENG 1113 COMPOSITION I		3		
	MATH 1523 PRE-CALCULUS FOR BUS-BIOL		3		
	BIOL 1214 PRINCIPLES OF BIOLOGY		4		
	CHEM 1315 GENERAL CHEMISTRY I		5		
		TOTAL:	17		
FRESH	IMAN YEAR, SPRING				
	ENG 1213 COMPOSITION II		3		
	BIOL 1224 GENERAL BOTANY OR BIOL 1234 GENERAL ZOOLOGY (SPRING ONL	LY)	4		
	GOV 1113 AMERICAN NATIONAL GOVERNMENT		3		
	MAJOR FIELD ELECTIVE		4		
		TOTAL:	14		
SOPHOMORE YEAR, FALL					
	BIOL 2224 MICROBIOLOGY		4		
	HIST 1483/1493 AMERICAN HISTORY SURVEY TO 1877 OR SINCE 1877		3		
	HUM		3		
	CAP 1103 INTRODUCTION TO MICROSOFT OFFICE		3		
	PHYS 2114 GENERAL PHYSICS I (FALL ONLY)		4		
		TOTAL:	17		
SOPHO	OMORE YEAR, SPRING				
	HUM		3		
	HPER 1012		2		
	ELECTIVE**		3		
	MAJOR FIELD ELECTIVE		4		
	SPCH 1143 SPEECH		3		
		TOTAL:	15		
		TOTAL HOURS:	63		

<sup>\*</sup>THIS IS A GUIDE TO HELP STUDENTS WITH PLANNING. A STUDY OF THE COURSE SCHEDULE AND A VISIT WITH YOUR ACADEMIC ADVISOR IS CRUCIAL FOR SUCCESS IN COMPLETING YOUR DEGREE.

<sup>\*\*</sup>ELECTIVE = PSYCHOLOGY, SOCIAL SCIENCES, OR FINE ARTS