

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** that the associate degree will satisfy all freshman and sophomore general education requirements at the four-year university.

General Education Requirements 34

GOV	1113	American National Government	3
HIST	1483	American History to 1877 OR	
HIST	1493	American History since 1877	3
ENG	1113	Composition I	3
ENG	1213	Composition II	3
SPCH	1143	Speech	3
HUM		Any class designated as Humanities	6
MATH	1523	Functions and Modeling OR	
		MATH 1513 Pre-Calculus for Eng-Phys-CS	3
SCIENCE		<i>met by program</i>	
CAP	1103	Introduction to Microsoft Office	3
HPER	1012	Wellness and Human Development OR	
		Two HPER Activity Courses	2
STSC	1002	Learning Strategies	2
ELECTIVE		Select from Fine Arts, Psychology, or	
		Social Sciences	3

Major Field Requirements 21

BIOL	1214	Principles of Biology	
BIOL	1224	General Botany OR BIOL 1234 General Zoology (SO)	
BIOL	2224	Microbiology	
CHEM	1315	General Chemistry I	
PHYS	2114	General Physics I (FO)	

Major Field Electives and Support..... 8

Select from the following:

MATH	2213	Calculus for Business and Biology (recommended)	
AGRI	1104	Introduction to Animal Science (FO)	
AGRI	1204	Introduction to Plant and Soil Science (SO)	
BIOL	1224	General Botany (SO)	
BIOL	1234	General Zoology (SO)	
BIOL	2113	Introduction to Nutrition	
BIOL	2114	Human Anatomy	
BIOL	2214	Human Physiology	
CHEM	1114	Introduction to Chemistry	
CHEM	1515	General Chemistry II (SO)	
ENVS	1114	Introduction to Environmental Science (FO)	
MATH	1513	Pre-Calculus for Eng-Phys-CS	
PHYS	2224	General Physics II (SO)	

MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE

63

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
BIOL	2224	Microbiology	4
CHEM	1315	General Chemistry I	5
CHEM	1515	General Chemistry II	5
PHYS	2114	General Physics I	4
PHYS	2214	General Physics II	4

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

2025-27

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	3 hrs.	Fine Arts, Psychology, or Social Science Elective
6 hrs.	Social Sciences ☐ GOV 1113 American National Government ☐ HIST 1483 American History Survey to 1877 OR ☐ HIST 1493 American History Survey since 1877		<i>Select one of the following:</i> ☐ ANTH 1113 General Anthropology ☐ ART 1103 Fundamentals of Art I (FO) ☐ ART 1123 Drawing I (SO) ☐ ART 2123 Ceramics I (FO) ☐ ART 2213 Watercolor I (SO) ☐ ART 2233 Painting I (SO) ☐ ART 2713 Printmaking (FO) ☐ BA 2113 Macroeconomics ☐ BA 2213 Microeconomics ☐ CJ 1113 Introduction to Criminology (FO) ☐ ENG 1313 Technical Writing (SOO) ☐ ENG 2103 Fiction Writing (FOO) ☐ ENG 2113 Creative Writing (FEO) ☐ ENG 2123 Poetry Writing (SOO) ☐ ENG 2663 Creative Nonfiction Writing (SEO) ☐ GEOG 1123 World Regional Geography ☐ NAS 1713 Seminole/Creek Language I ☐ PSY 1113 General Psychology ☐ SOC 1113 Introduction to Sociology
9 hrs.	Language Arts ☐ ENG 1113 Composition I ☐ ENG 1213 Composition II ☐ SPCH 1143 Speech		
6 hrs.	Humanities <i>Select two of the following:</i> ☐ ART/HUM 1153 Art History I (FO) ☐ ART/HUM 1163 Art History II (SO) ☐ ART/HUM 1203 Art Appreciation ☐ ART 2323 Global Studies in Art (TBD Summer) ☐ ENG/HUM 2033 Survey of Native American Literature (SEO) ☐ ENG 2403 Global Studies in Language Arts and Humanities (TBD Summer) ☐ ENG/HUM 2413 Introduction to Literature (FO) ☐ ENG/HUM 2433 World Literature I (SO) ☐ ENG/HUM 2443 Introduction to World Mythology (FOO) ☐ ENG/HUM 2543 British Literature I (FEO) ☐ ENG/HUM 2653 British Literature II (FOO) ☐ ENG/HUM 2753 American Literature I (SEO) ☐ ENG/HUM 2883 American Literature II (SOO) ☐ HIST/HUM 2223 Early Western Civilization to 1660 ☐ HIST/HUM 2233 Modern Western Civilization since 1660 ☐ HUM 1103 Life of Jesus (SO) ☐ HUM 1113 Old Testament (SO) ☐ HUM 1143 New Testament (FO) ☐ HUM 2123 Multiculturalism through Film ☐ HUM 2153 Crime, Delinquency and Social Science Issues through Film (SO) ☐ HUM 2173 Introduction to Film & TV (SO) ☐ HUM 2323 Social Science Issues as Perceived through Movies ☐ HUM 2333 Leadership Development through the Classics ☐ HUM 2343 Global Studies in Humanities ☐ MUS/HUM 1213 Music Appreciation I ☐ MUS/HUM 1223 Music Appreciation II ☐ PHIL 1113 Philosophy (FO) ☐ SOC 2433 Global Studies in Culture and Diversity (TBD Summer) ☐ SPCH/HUM 1523 Introduction to Theatre (FO)		
3 hrs.	Mathematics ☐ MATH 1523 Functions and Modeling OR ☐ MATH 1513 Pre-Calculus for Eng-Phys-CS		
	Life Science ☒ met by program		
	Physical Science ☒ met by program		
3 hrs.	Computer Applications ☐ CAP 1103 Introduction to Microsoft Office		
2 hrs.	Health, Physical Education and Recreation ☐ HPER 1012 Wellness and Human Development OR ☐ Two HPER Activity Courses		
2 hrs.	Student Success <i>Required during first semester</i> ☐ STSC 1002 Learning Strategies		
		34 hrs.	TOTAL REQUIRED GENERAL EDUCATION HOURS
		21 hrs.	MAJOR FIELD REQUIREMENTS
		8 hrs.	MAJOR FIELD ELECTIVES AND SUPPORT <i>Select from the following:</i> ☐ MATH 2213 Calculus for Bus. and Biol. ☐ AGRI 1104 Introduction to Animal Science (FO) ☐ AGRI 1204 Introduction to Plant and Soil Science (SO) ☐ BIOL 1224 General Botany (SO) ☐ BIOL 1234 General Zoology (SO) ☐ BIOL 2113 Introduction to Nutrition ☐ BIOL 2114 Human Anatomy ☐ BIOL 2214 Human Physiology ☐ CHEM 1114 Introduction to Chemistry ☐ CHEM 1515 General Chemistry II (SO) ☐ ENVS 1114 Introduction to Environmental Science (FO) ☐ MATH 1513 Pre-Calculus for Eng-Phys-CS ☐ PHYS 2224 General Physics II (SO)
		29 hrs.	TOTAL REQUIRED MAJOR FIELD HOURS
		63 hrs.	MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE
			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



Semester by Semester Suggested Degree Plan*

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

*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.

**ELECTIVE = FINE ARTS, PSYCHOLOGY, OR SOCIAL SCIENCES