

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
	<i>met by program</i>	
SCIENCE		
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 Psychology, Social Sciences, or Fine Arts	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 (Fall only)

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

2025-26

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				
6 hrs.	Social Sciences <input type="checkbox"/> GOV 1113 American National Government <input type="checkbox"/> HIST 1483 American History Survey to 1877 or <input type="checkbox"/> HIST 1493 American History Survey since 1877	3 hrs.	Fine Arts, Psychology, or Social Science Elective <i>Select one of the following:</i> <input type="checkbox"/> ANTH 1113 General Anthropology <input type="checkbox"/> ART 1103 Fundamentals of Art I (FO) <input type="checkbox"/> ART 1123 Drawing I (SO) <input type="checkbox"/> ART 2123 Ceramics I (FO) <input type="checkbox"/> ART 2213 Watercolor I (SO) <input type="checkbox"/> ART 2713 Printmaking (FO) <input type="checkbox"/> BA 2113 Macroeconomics <input type="checkbox"/> BA 2213 Microeconomics <input type="checkbox"/> CJ 1113 Introduction to Criminology (FO) <input type="checkbox"/> ENG 1313 Technical Writing (SOO) <input type="checkbox"/> ENG 2103 Fiction Writing (FO) <input type="checkbox"/> ENG 2113 Creative Writing (FO) <input type="checkbox"/> ENG 2123 Poetry Writing (SO) <input type="checkbox"/> GEOG 1123 World Regional Geography <input type="checkbox"/> NAS 1713 Seminole/Creek Language I <input type="checkbox"/> PSY 1113 General Psychology <input type="checkbox"/> SOC 1113 Introduction to Sociology		
9 hrs.	Language Arts <input type="checkbox"/> ENG 1113 Composition I <input type="checkbox"/> ENG 1213 Composition II <input type="checkbox"/> SPCH 1143 Speech				
6 hrs.	Humanities <i>Select two of the following:</i> <input type="checkbox"/> ART/HUM 1153 Art History I (FO) <input type="checkbox"/> ART/HUM 1163 Art History II (SO) <input type="checkbox"/> ART/HUM 1203 Art Appreciation <input type="checkbox"/> ART 2323 Global Studies in Art (TBD Summer) <input type="checkbox"/> ENG/HUM 2033 Survey of Native American Literature (SEO) <input type="checkbox"/> ENG 2043 Global Studies in Language Arts and Humanities (TBD Summer) <input type="checkbox"/> ENG/HUM 2413 Introduction to Literature (FO) <input type="checkbox"/> ENG/HUM 2433 World Literature I (SO) <input type="checkbox"/> ENG/HUM 2443 Introduction to World Mythology (FOO) <input type="checkbox"/> ENG/HUM 2543 British Literature I (FEO) <input type="checkbox"/> ENG/HUM 2653 British Literature II (FOO) <input type="checkbox"/> ENG/HUM 2753 American Literature I (SEO) <input type="checkbox"/> ENG/HUM 2883 American Literature II (SOO) <input type="checkbox"/> HIST/HUM 2223 Early Western Civilization to 1660 <input type="checkbox"/> HIST/HUM 2233 Modern Western Civilization since 1660 <input type="checkbox"/> HUM 1103 Life of Jesus (SO) <input type="checkbox"/> HUM 1113 Old Testament (SO) <input type="checkbox"/> HUM 1143 New Testament (FO) <input type="checkbox"/> HUM 2123 Multiculturalism through Film <input type="checkbox"/> HUM 2153 Crime, Delinquency and Social Science Issues through Film (SO) <input type="checkbox"/> HUM 2173 Introduction to Film & TV (SO) <input type="checkbox"/> HUM 2323 Social Science Issues as Perceived through Movies <input type="checkbox"/> HUM 2333 Leadership Development through the Classics <input type="checkbox"/> HUM 2343 Global Studies in Humanities <input type="checkbox"/> MUS/HUM 1213 Music Appreciation I <input type="checkbox"/> MUS/HUM 1223 Music Appreciation II <input type="checkbox"/> PHIL 1113 Philosophy (FO) <input type="checkbox"/> SOC 2433 Global Studies in Culture and Diversity (TBD Summer) <input type="checkbox"/> SPCH/HUM 1523 Introduction to Theatre (FO)	34 hrs.	TOTAL REQUIRED GENERAL EDUCATION HOURS		
3 hrs.	Mathematics <input type="checkbox"/> MATH 1523 Functions and Modeling or <input type="checkbox"/> MATH 1513 Pre-Calculus for Eng-Phys-CS	21 hrs.	MAJOR FIELD REQUIREMENTS		
	Life Science <input checked="" type="checkbox"/> <i>met by program</i>	8 hrs.	MAJOR FIELD ELECTIVES AND SUPPORT		
	Physical Science <input checked="" type="checkbox"/> <i>met by program</i>		<i>Select from the following:</i> <input type="checkbox"/> MATH 2213 Calculus for Bus. and Biol. <input type="checkbox"/> AGRI 1104 Introduction to Animal Science (FO) <input type="checkbox"/> AGRI 1204 Introduction to Plant and Soil Science (SO) <input type="checkbox"/> BIOL 1224 General Botany (SO) <input type="checkbox"/> BIOL 1234 General Zoology (SO) <input type="checkbox"/> BIOL 2113 Introduction to Nutrition <input type="checkbox"/> BIOL 2114 Human Anatomy <input type="checkbox"/> BIOL 2214 Human Physiology <input type="checkbox"/> CHEM 1114 Introduction to Chemistry <input type="checkbox"/> CHEM 1515 General Chemistry II (SO) <input type="checkbox"/> ENV5 1114 Introduction to Environmental Science (FO) <input type="checkbox"/> MATH 1513 Pre-Calculus for Eng-Phys-CS <input type="checkbox"/> PHYS 2224 General Physics II (SO)		
3 hrs.	Computer Applications <input type="checkbox"/> CAP 1103 Introduction to Microsoft Office	29 hrs.	TOTAL REQUIRED MAJOR FIELD HOURS		
2 hrs.	Health, Physical Education and Recreation <input type="checkbox"/> HPER 1012 Wellness and Human Development or Two HPER Activity Courses	63 hrs.	MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE		
2 hrs.	Student Success <i>Required during first semester</i> <input type="checkbox"/> STSC 1002 Learning Strategies				
					FO=FULL ONLY FOO=FULL ODD YRS ONLY FEO=FULL EVEN YRS ONLY SO=SPRING ONLY SOO=SPRING ODD YRS ONLY SEO=SPRING EVEN YRS ONLY
					<i>Revised Feb. 2025</i>



Semester by Semester Suggested Degree Plan*

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