

AS in Biology

Biological Sciences at Neosho County Community College offers undergraduate training in general biology, botany, microbiology, anatomy and physiology, and zoology, as well as preparation for professional schools such as nursing and allied health. This emphasis area allows a student to obtain an AS with an emphasis in veterinarian medicine.

PREREQUISITES

You will need to demonstrate proficiencies in reading, English, and mathematics based on the COMPASS assessment test, ACT or SAT scores, or by taking the recommended/required classes. Some of the courses in this curriculum have specific prerequisites.

Prerequisites can be found on the reverse side (Guide to Completing Program Requirements) or in the college catalog.

GENERAL EDUCATION (GE) COURSES

In order to graduate with a college degree, all students are required to take certain general education courses. These include English composition, speech, wellness, science, art & humanities, mathematics, computer systems, and social & behavioral sciences.

PROGRAM CORE COURSES

The major core courses are outlined in the recommended sequence of course section.

PROGRAM ELECTIVE COURSES

These are other possible course you could take in addition to the course in the recommended sequence section.

BIOL 105 Topics in KS Nature Studies: Freshwater Life of KS, BIOL 115/116 Environmental Science Lec/Lab, BIOL 205 Prehistoric Life, BIOL 217 Seminar in Biological Sciences, BIOL 231 Animal Behavior, BIOL 257/258 Anatomy & Physiology Lec/Lab, BIOL 271/272 Microbiology Lec/Lab, BIOL 299 Independent Study, PHYS 100/130 Introductory College Physics/Lab

COURSE SEQUENCE

The listing that follows is a suggested sequence of courses for full-time students majoring in Biology. Consult your advisor for information specific to your academic situation.

CHEM 125	Chemistry I	3
CHEM 126	Chemistry I Lab	2
PSYC 100	College Orientation	1
ENGL 101	English Composition I	3
MATH 113	College Algebra	3
Total -		17

(Spring) Semester II

BIOL 255	Biology II	3
BIOL 256	Biology II Lab	2
CHEM 135	Chemistry II	3
CHEM 136	Chemistry II Lab	2
ENGL 289/299	English Composition II	3
HPER 150	Lifetime Fitness	1
CSIS 100	Intro to Microcomputer Applications	
CSIS 130	Intro to Computer Information Systems	3
Total-		17

(Fall) Semester III

MATH 150	Analytic Geometry and Calculus I	5
PSYC 155	Gen. Psychology	3
COMM 207	Fundamentals of Speech	3
	Social/Behavioral Science Elective	3
	Arts/Humanities Elective	3
Total-		17

(Spring) Semester IV

	Program Elective	5
	Social/Behavioral Science Elective	3
	Arts/Humanities Elective	3
	Arts/Humanities Elective	3
Total-		14

Total Program Credits 65

For more information contact:
Program advisors
Brian Foreman, (620) 431-2820, ext. 266,
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Steve Yuza, (620) 431-2820, ext. 242,
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Associate of Science

RECOMMENDED SEQUENCE OF COURSES

(Fall) Semester I

BIOL 155	Biology I	3
BIOL 156	Biology I Lab	2



Neosho County Community College

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In accordance with the 2006-2008 catalog Effective 9/01/2006

NEOSHO COUNTY COMMUNITY COLLEGE ASSOCIATE OF SCIENCE IN BIOLOGY

Guide to Completing Program Requirements

Directions: As you complete each course, indicate the semester taken (or transferred) and the grade received. The overall GPA must be no less than 2.0 to qualify for graduation. When you have completed 47 credits of the courses listed, start the graduation audit process by contacting your program faculty advisor. You should complete a graduation application in your last semester of courses.

CORE REQUIREMENTS (14 CR)	Course Prerequisite	Credits Hrs Completed/ Transferred	Semester Completed	Grade Earned
ENGL 101 (3 cr) Composition I	ENGL 021 or assessment test score			
ENGL 289 or 299 (3 cr) Composition II	ENGL 101			
COMM 207 (3 cr) Fundamentals of Speech				
CSIS 100 or 130 (3 cr) Intro MicroComp Apps/ Intro CIS				
PSYC 100 (1 cr) College Orientation	For first time, full time freshmen			
HPER 150 (1 cr) Lifetime Fitness				
NATURAL/PHYSICAL SCIENCE & MATHEMATICS (6-8 cr)	1 science and 1 math required			
BIOL155 (3) Biology I Lecture	Concurrent with BIOL 156			
BIOL 156 (2) Biology I Lab	Concurrent with BIOL 155			
MATH 113 (3) College Algebra				
SOCIAL & BEHAVIORAL SCIENCES (9 cr)	PSYC 155 + 2 different areas required			
PSYC 155 (3 cr) General Psychology				
Elective (3 cr)				
Elective (3 cr)				
ARTS & HUMANITIES (9 cr)	3 different areas required			
Elective (3 cr)				
Elective (3 cr)				
Elective (3 cr)				
PROGRAM REQUIREMENTS (24-26 CR)				
PROGRAM CORE COURSES (20 CR)				
BIOL 255 (3 cr) Biology II Lecture	Concurrent with BIOL 256			
BIOL 256 (2 cr) Biology II Lab	Concurrent with BIOL 255			
BIOL XXX (3 cr) General Ecology Lecture	Concurrent with BIOL 211			
BIOL XXX(2 cr) General Ecology Lab	Concurrent with BIOL 213			
BIOL XXX (3 cr) Genetics Lecture	Concurrent with Genetics Lab			
BIOL XXX(2 cr) Genetics Lab	Concurrent with BIOL 222			
CHEM 125 (3 cr) College Chem I Lecture	Concurrent with CHEM 126			
CHEM 126 (2 cr) College Chem I Lab	Concurrent with CHEM 125			
PROGRAM ELECTIVES (choose 5 credits from the following list)				
CHEM 135 (3 cr) College Chem II Lecture	Concurrent with CHEM 136			
CHEM 136 (2 cr) College Chem II Lab	Concurrent with CHEM 135			
MATH 150 (5 cr) AnalyGeo&Calc I				
DEVELOPMENTAL COURSES (*AS NEEDED BY TEST SCORE)				
TOTAL PROGRAM CREDIT HOURS (64 CR MINIMUM)				

COMMENTS: (INCLUDING CURRICULUM VARIANCES)

