



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

09/13/2021

Institution

Jefferson College

Site Information

Implementation Date:

8/22/2022 12:00:00 AM

Added Site(s):

Selected Site(s):

Jefferson College, 1000 Viking Drive, Hillsboro, MO, 63050-1000

Off-site (Arnold), -, Arnold, MO, 00000

CIP Information

CIP Code:

260101

CIP Description:

A general program of biology at the introductory, basic level or a program in biology or the biological sciences that is undifferentiated as to title or content. Includes instruction in general biology and programs covering a variety of biological specializations.

CIP Program Title:

Biology/Biological Sciences, General

Institution Program Title:

Associate of Science in Biology

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate of Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Hybrid

Student Preparation

Special Admissions Procedure or Student Qualifications required:

None



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Specific Population Characteristics to be served:

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Masters degree in field or Masters degree in a related field plus 18 hours of graduate credit in the field.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

75%

Expectations for professional activities, special student contact, teaching/learning innovation:

This program will include extensive biology and chemistry studies with lab work. It was designed to fulfill the first two years of coursework toward a Bachelors degree in biology. The degree will not include the full Core 42 due to the emphasis on programmatic coursework.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 5	Part Time: 2	
Year 2	Full Time: 8	Part Time: 3	
Year 3	Full Time: 15	Part Time: 5	Number of Graduates: 5
Year 4	Full Time: 15	Part Time: 8	
Year 1	Full Time: 5	Part Time: 2	
Year 2	Full Time: 8	Part Time: 3	
Year 3	Full Time: 15	Part Time: 5	Number of Graduates: 5
Year 4	Full Time: 15	Part Time: 8	
Year 5	Full Time: 20	Part Time: 10	Number of Graduates: 15

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

There are currently no plans to seek programmatic accreditation, but we will consider this option as the program matures.

Program Structure

Total Credits:

63

Residency Requirements:

The College's residency requirement specifies that a minimum of 24 credit hours must be completed at Jefferson College for graduation.



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General Education Total Credits:

33

Major Requirements Total Credits:

23

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
CHM200	5	Organic Chemistry I
BIO104	4	Biology for Majors II
CHM201	5	Organic Chemistry II
CHM112	5	General Chemistry II
BIO201	4	Genetics

Free Elective Credits:

7

Internship or other Capstone Experience:

None

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

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DeGeare

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Last Name _____ First _____

JEFFERSON COLLEGE
ASSOCIATE OF SCIENCE TRANSFER DEGREE - effective 2022-2023
Biology (63 credit hours)

Minimum 2.00 Cumulative Grade Point Average for A.S. Degree. 15 hour residency requirement.

		Course Areas/Titles	Course Numbers	Done	Now	Need	
A.S. Biology GENERAL EDUCATION OPTIONS AND REQUIREMENTS (29 credit hours) <small>MOTR CORE 42 completion not required for A.S. degree</small>	Communications	6 hours	<i>Written Communications</i>	ENG101(H), ENG102(H)			
	Humanities and Fine Arts AND/OR Social and Behavioral Sciences	3 hours	<i>Civics</i>	HST103(H), 104(H); PSC102(H)			
			<i>PSC001 MO Higher Ed Civics Exam must also be completed</i>				
		6 hours	<i>Art</i>	ART101, 103, 105			
			<i>Civilization</i>	HST201, 202			
			<i>Foreign Language</i>	FRN101, 102; GRM101, 102; SPN101, 102			
			<i>Literature</i>	ENG105, 106, 215(H), 216(H), 225, 226, 228, 229			
			<i>Geography</i>	GEO103			
			<i>Music</i>	MSC101, 131, 133, 231, 232			
			<i>Philosophy/Religion</i>	PHL101, 102(H), 201, 202(H)			
<i>Political Science</i>			PSC155				
<i>Psychology</i>	PSY101(H)						
<i>Sociology</i>	SOC101(H)						
<i>Theatre</i>	THT100(H)						
Mathematical Sciences	5 hours	<i>Mathematical Sciences</i>	MTH141 or higher				
Natural Sciences	9 hours with 2 labs*	<i>Biological Sciences</i>	BIO103				
		<i>Physical Sciences</i>	CHM111(H)*				
A.S. Biology DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (34-36 hours)	Institutional Requirements	Computer Literacy (3)	<i>Proficiency met by exam or coursework</i>	CIS125, EDU 205 (counts as elective degree requirement)			
		First Year Experience (FYE 1-3 hrs)	Freshman Seminar; Intro. to College; Mastering College Exp.	COL100, 101, 136 (counts as elective degree requirement)			
Departmental Requirements	23 hours	General Biology Majors II (4)	BIO104				
		Genetics (4)	BIO201				
		General Chemistry II (5)	CHM112				
		Organic Chemistry I (5)	CHM200				
		Organic Chemistry II (5)	CHM201				
Associate of Science Technical Elective Options	7 hours	Ecology and Environmental Conserv (3)	BIO109				
		Vertebrate Anatomy (4)	BIO207				
		Vertebrate Physiology (4)	BIO208				
		Anatomy and Physiology I (4)	BIO211				
		Anatomy and Physiology II (4)	BIO212				
		Microbiology (4)	BIO215				
TOTAL A.S. Biology emphasis degree credit hours (at least 63-65 hours required)							
Institution Student Plans to Transfer to and Major Area of Study:							
Student Signature/Date:							
Advisor Signature/Date:							

**Total may vary depending on major areas of study requirements related to specific Biology pathway. Consult your Pathway or Faculty Advisor and 4-year transfer institution for assistance in selecting courses for your specific degree, major, and transfer institution requirements.