



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

08/03/2021

Institution

Culver-Stockton College

Site Information

Implementation Date:

1/1/2019 12:00:00 AM

Added Site(s):

Selected Site(s):

Culver-Stockton College, #1 College Hill, Canton, MO, 63435-9989

CIP Information

CIP Code:

400501

CIP Description:

A general program that focuses on the scientific study of the composition and behavior of matter, including its micro- and macro-structure, the processes of chemical change, and the theoretical description and laboratory simulation of these phenomena.

CIP Program Title:

Chemistry, General

Institution Program Title:

Chemistry

Degree Level/Type

Degree Level:

Bachelor's Degree

Degree Type:

Bachelor of Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation

Special Admissions Procedure or Student Qualifications required:

Students must have a minimum ACT score of 21 or equivalent to be enrolled or department chair approval.



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Specific Population Characteristics to be served:

Open enrollment, serves students in the region and globally, no special characteristics.

Faculty Characteristics

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

Doctorate degree in chemistry or related majors, with teaching experience.

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

90% of credit hours are assigned to full time faculty.

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

Students will be able to conduct assays, understand kinetics and analysis, propose mechanistic analysis and reactions.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 4	Part Time: 0	
Year 2	Full Time: 0	Part Time: 0	
Year 3	Full Time: 0	Part Time: 0	Number of Graduates: 2
Year 4	Full Time: 2	Part Time: 0	
Year 5	Full Time: 0	Part Time: 0	Number of Graduates: 3

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

Attached

Program Structure

Total Credits:

120

Residency Requirements:

30

General Education Total Credits:

40

Major Requirements Total Credits:

71

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
attached	3	attached

Free Elective Credits:

15

Internship or other Capstone Experience:

Senior Research (two courses)



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Assurances

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 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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2. Faculty Characteristics

Question 3

Full time faculty are expected to teach 12 or more credit hours per semester. Faculty will guide students to do research in capstone courses and professional internship.

5. Program Accreditation

There is no specialized accreditation for this program. However, it is possible to apply for endorsement for certain graduate program(s), and prepare the students for related standardized examinations.

6. Program structure

D. Major requirements

Core Courses

CHE 251: General Chemistry I (4)

CHE 252: General Chemistry II (4)

CHE 289: Selected Topics in Chemistry (1-4)

CHE 301: Organic Chemistry I (4)

CHE 302: Organic Chemistry II (4)

CHE 303: Analytical Chemistry (4)

CHE 305: Biochemistry (4)

CHE 310: Instrumental Analysis (4)

CHE 401: Physical Chemistry I (4)

CHE 402: Physical Chemistry II (4)

CHE 476: Professional Internship (3)

CHE 484: Introduction to Research (2)

CHE 485: Research Problem I (2)

CHE 486: Research Problem II (1)

CHE 489: Selected Topics in Chemistry (1-4)

MAT 120: Applied Calculus (4)

MAT 205: Elementary Statistics (3)

MAT 210: Calculus II (4)

PHY 201: General Physics I (4)

PHY 202: General Physics II (4)

F. Requirements for thesis, internship or other capstone experience

CHE 476: Professional Internship (3)

CHE 484: Introduction to Research (2)

CHE 485: Research Problem I (2)

CHE 486: Research Problem II (1)

(or change them to CHE 485 and CHE 486, since we are having them in the new catalog?)