



## New Program Report

**Date Submitted:**

06/25/2024

**Institution**

Evangel University

**Site Information**

**Implementation Date:**

8/28/2024 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

Evangel University, 1111 N. Glenstone, Springfield, MO, 65802

**CIP Information**

**CIP Code:**

260202

**CIP Description:**

A program that focuses on the scientific study of the chemistry of living systems, their fundamental chemical substances and reactions, and their chemical pathways and information transfer systems, with particular reference to carbohydrates, proteins, lipids, and nucleic acids. Includes instruction in bio-organic chemistry, protein chemistry, bioanalytical chemistry, bioseparations, regulatory biochemistry, enzymology, hormonal chemistry, calorimetry, and research methods and equipment operation.

**CIP Program Title:**

Biochemistry

**Institution Program Title:**

Biochemistry

**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:

Not applicable.



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Specific Population Characteristics to be served:

### Faculty Characteristics

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

Faculty instructors will possess a Master of Science and possibly a doctorate degree in Biology, Chemistry, or related fields in order to teach for their degree.

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

75%

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

Students will design and perform experiments using the scientific method.

### Student Enrollment Projections Year One-Five

<b>Year 1</b>	<b>Full Time: 4</b>	<b>Part Time: 0</b>	
<b>Year 2</b>	<b>Full Time: 6</b>	<b>Part Time: 0</b>	
<b>Year 3</b>	<b>Full Time: 10</b>	<b>Part Time: 0</b>	<b>Number of Graduates: 0</b>
<b>Year 4</b>	<b>Full Time: 14</b>	<b>Part Time: 0</b>	
<b>Year 5</b>	<b>Full Time: 18</b>	<b>Part Time: 0</b>	<b>Number of Graduates: 8</b>

### Percentage Statement:

n/a

### Program Accreditation

Institutional Plans for Accreditation:

HLC accreditation will be obtained. There is no requirement for specialized accreditation.

### Program Structure

#### Total Credits:

124

#### Residency Requirements:

n/a

#### General Education Total Credits:

53

#### Major Requirements Total Credits:

73

#### Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
PHYS 211	5	General Physics I
CPSC 101	3	INTRODUCTION TO PERSONAL COMPUTERS
CHEM 271	4	Organic Chemistry I
CHEM 272	4	Organic Chemistry II



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CHEM 112	5	General Chemistry II
PHYS 212	5	General Physics II
CHEM 111	5	General Chemistry I
MATH 231	4	Calculus I
CHEM 448	3	Medicinal Chemistry
BIOL 338	4	Genetics
BIOL 200	4	General Biology
CHEM 376	3	Biochemistry II
CHEM 496	1	Seminar
CHEM 331	4	Quantitative Analysis
CHEM 375	4	Biochemistry
BIOL 437	3	Cell Biology

**Free Elective Credits:**

12

**Internship or other Capstone Experience:**

These aren't "free" electives, but students must select 12 credits from the following Chemistry Course options: CHEM 332 4 Instrumental Analysis CHEM 377 4 Environmental Chemistry CHEM 378 2 Organic Chemical Analysis & Methods CHEM 432 4 Physical Chemistry I CHEM 445 3 Advanced Organic Chemistry CHEM 293/493 1-3 Special Problems CHEM 498 Chemistry Internship 1

**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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