



DEPARTMENT OF  
HIGHER EDUCATION &  
WORKFORCE DEVELOPMENT

**New Program Report**

**Date Submitted:**

04/04/2023

**Institution**

Missouri Baptist University

**Site Information**

**Implementation Date:**

8/21/2023 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

Missouri Baptist University, 1 College Park Drive, St. Louis, MO, 63141

**CIP Information**

**CIP Code:**

131323

**CIP Description:**

A program that prepares individuals to teach chemistry programs at various educational levels.

**CIP Program Title:**

Chemistry Teacher Education

**Institution Program Title:**

Graduate Certificate in Chemistry Education

**Degree Level/Type**

**Degree Level:**

Postbaccalaureate Certificate

**Degree Type:**

Graduate Certificate (GRCT)

**Options Added:**

**Collaborative Program:**

N

**Mode of Delivery**

**Current Mode of Delivery**

Online

**Student Preparation**

**Special Admissions Procedure or Student Qualifications required:**

No special admissions criteria over and above regular graduate admissions standards.

**Specific Population Characteristics to be served:**

n/a

**Faculty Characteristics**



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

Faculty teaching in this program will have terminal degree in chemistry as required by HLC for faculty teaching in graduate level programs.

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

100% of courses in this program are taught by full time faculty.

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

Capstone course: This course is intended to provide an avenue for intensive study of current topics or problems in chemistry. The course will involve close collaboration between students and faculty, and topics and content will vary depending on the interests of students and faculty.

### Student Enrollment Projections Year One-Five

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

### Percentage Statement:

n/a

### Program Accreditation

Institutional Plans for Accreditation:

No specialized accreditation will be sought.

### Program Structure

Total Credits:

18

Residency Requirements:

12 of 18 hours must be earned in residence.

General Education Total Credits:

0

Major Requirements Total Credits:

18

### Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
CHEM 503	3	Study of Processes and Research Methods In Chemistry
CHEM 573	3	Advanced Methods in Chemistry Education
CHEM 553	3	Instrumental Methods for Chemistry Analysis



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BCHM 553	3	Biochemistry II
CHEM 523	3	The Chemistry of Natural Products
CHEM 543C	3	Methods of Inquiry I

**Free Elective Credits:**

0

**Internship or other Capstone Experience:**

CHEM 533 Special Topics

**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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