

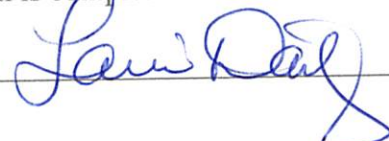
APPLICATION FOR SOUTH DAKOTA STATE BOARD APPROVAL OF A  
NEW, AMENDED, OR DELETED EDUCATION PROGRAM

INSTITUTION: Augustana University DATE: 2/22/2017

NAME/TITLE OF DEAN/CHAIR OF TEACHER EDUCATION:

Laurie Daily, Ed.D. Chair, Department of Education

I certify that all information contained in this application is complete and accurate.

Signature 

**Section I. Action Requested**

**New Program Approval**

Amendment of Approved Program

Innovative/Experimental Program

Deletion of Approved Program—Stop here and simply attach a letter explaining the request for the deletion.

**Section II. Education Program Certification Level**

Birth through Preschool  Birth through Age Eight Early Childhood

Birth through Age Eight Early Childhood & Birth through Age Eight Special Education

K-8 Elementary Education  K-8 Elementary Education/Special Education

5-8 Middle Level Education  **7-12 Secondary Education 24:53:07:28. 7-12 mathematics/science composite program (major)**

K-12 Education \_\_\_\_\_

Administrative Program \_\_\_\_\_

School Service Specialist \_\_\_\_\_

Masters \_\_\_\_\_

### **Section III. Program Justification & Objectives**

Justification for the new program:

- Augustana University's Departments of Mathematics, Biology, Chemistry and Physics, in conjunction with the Education Department, seeks to add a 7-12 Math/Science Composite Major. The student must also complete the 7-12 secondary major including student teaching and take the PRAXIS content exams for each program area selected from the program options of math, biology, chemistry, and physics.
- The Math/Science Composite major is designed to integrate the triad of strong math/ and science content, evidence-based math and science pedagogy, and cultural competence to assure inclusive excellence in Math/Science or STEM Education.
- More specifically, the composite major includes:
  - Use of best practices to support a learning as a math/science or STEM professional and as a math/science or STEM educator, with particular emphasis on under-represented groups in math/science or STEM.
  - Expanded science and/or science and math content learning opportunities for secondary education teacher preparation.
  - Enhanced integration of content and pedagogy across science, math, and education courses.
- Objectives of the new program: Candidates who complete this program will
  - be certified to teach in two math and science or STEM fields, chosen from biology, chemistry, mathematics, and physics.
  - be cognizant of issues related to diversity and inclusion, especially as related to math and science or STEM disciplines, and trained in the facilitation of dialogues about these issues.
  - be especially desirable hires in smaller districts where secondary teachers are often called upon to teach in more than one field; districts can confidently assign these graduates teaching lines in two fields, knowing that the teacher is highly qualified in both areas.

### **Section IV. Program Requirements**

Attach programs of study that identify *all* of the requirements for the completion of this new or amended program.

(See appendix A)

### **Section V. Compliance with Program Standards**

Attach:

- A matrix that defines how the required courses/experiences of this new or amended program will meet the specific program standards  
(See Appendix B)
- Verification of compliance to *all* applicable program standards;  
(See Appendix B)
- An institutional response to the program standards, including a correlation of standards to course objectives; **7-12 Math/Science Composite Major were reviewed by faculty in the departments of Mathematics, Biology, Chemistry and Physics as well as the department of Education. The curriculum, syllabi, course and program objectives were approved by the Curriculum Council and validated by a vote of the**

**Augustana University faculty. All standards correlate with the various course outcomes and objectives as noted in the syllabi.**

(See Appendix C)

- *All* applicable course descriptions and syllabi.  
(See Appendix C)

### **Section VI. Faculty**

Identify:

- The current faculty who will teach this new or amended program, their teaching assignments, and their relevant professional preparation and expertise; and
- Additional or vacant faculty positions and assignments, and indicate when the supporting documentation for them will be submitted.

(See appendix D)

### **Section VII. Library Facilities**

Describe:

- The library media and technology resources currently available for this new or amended program; and
- Plans for the acquisition of new library and technology resources to support and sustain the program, if applicable.

(See Appendix E)