Meeting Date: March 8, 2017

Members Present: Don Burgess, Bruce Goebel, David Carroll, Patty Bourne, Ed Geary, Bruce Larson, Laura Wellington

Regrets: Karen So

Minutes prepared by: Karen Olstad

Meeting called to order

I. Introductions

II. Committee discussed and acted on the following items:

SUMMARY

CURRICULAR ITEMS

DEPARTMENT: SMATE/ CSE
PROGRAM REVISION APPROVED

Motion by Bourne, seconded by Burgess.

<table>
<thead>
<tr>
<th>Program</th>
<th>Type of Change</th>
<th>Status</th>
<th>E-form#</th>
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<tbody>
<tr>
<td>General Science – Middle Level Endorsement</td>
<td>Revise requirements and credits</td>
<td>Approved; sent to ACC</td>
<td>1068876</td>
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DETAILS

DEPARTMENT: SMATE/ CSE

| General Science – Middle Level Endorsement | 1068876 |

Change to Copy:

General Science — Middle Level, BAE
Department of Science Education, College of Science and Engineering

87–88 83-84 credits

Introduction

The Science, Mathematics and Technology Education Program is a visionary and practical program designed to enrich the training and education of K-12 pre-service teachers and, through them, their students. From a collaboration of the disciplines of Chemistry, Geology, Biology, Physics/ Astronomy, Mathematics, and Engineering, the Science, Mathematics and Technology Education Program (SMATE) offers an opportunity for teachers and future teachers to gain specific skills and broaden talents within their chosen discipline. This major satisfies the academic major requirement for teacher certification with an endorsement in elementary education and leads to a middle level science endorsement. It must be accompanied by the professional preparation program in elementary education or secondary education. See the Elementary Education section of this catalog for program admission, completion, and teacher certification requirements.
**Why Consider a General Science - Middle Level Major?**

If you want a broad base of knowledge in the field of science to prepare you for teaching any science subject at the elementary or secondary level, this major will provide it. You will take a range of introductory courses from different areas of science, including Biology, Chemistry, Physics and Geology.

**Contact Information**

**General Science Education Advisor**
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**General Science Education Program Manager**
Lori Torres  
Science, Mathematics & Technology Sciences 220  
360-650-7605  
Lori.Torres@wwu.edu

**Secondary Education Undergraduate and Post-Baccalaureate Professional Program Information**
360-650-3327  
wce.wwu.edu/sec/secondary-education

**Elementary Educational Professional Program Information**
Miller Hall 300  
360-650-3336  
wce.wwu.edu/eled/elementary-education

**Teacher Education Admissions**
Miller Hall 150  
360-650-3313  
wce.wwu.edu/admission

**Elementary Education Program Manager**
Miller Hall 301D  
360-650-7948

**Secondary Education Program Manager**
Miller Hall 401C  
360-650-3347

**Sample Careers**
Secondary Education Teacher

**Major/Career Resources**
http://www.wwu.edu/careers/students_choosingamajor.shtml

**How to Declare (Admission and Declaration Process):**

This major must be accompanied by the professional preparation program in elementary education or secondary education. Courses required for a state teaching endorsement must be completed with a grade of C (2.0) or better. See the Elementary Education and Secondary Education sections of this catalog for program admission, completion, and teacher certification requirements.

**Grade Requirements**

A grade of C (2.0) or better is required for courses in the elementary education professional program and all courses required for the endorsement.

**Requirements**

- One course from:
  - ASTR 103 - Introduction to Astronomy
  - ASTR 113 - Sun, Moon, and Planets
  - BIOL 204 - Introduction to Evolution, Ecology and Biodiversity
  - BIOL 205 - Introduction to Cellular and Molecular Biology
Additional Requirements

**Elementary Education Professional Program Requirements (100-103 credits)**

Department of Elementary Education, Woodring College of Education

**Introduction**

Students seeking a bachelor's degree with teacher certification and an endorsement in elementary education must complete the GURs, an approved academic major, and the professional education course work listed below.

**Admission and Declaration Process**

See the Elementary Education section of this catalog for program admission, completion, and teacher certification requirements.

**Grade Requirements**

Students must earn a grade of C (2.0) or better in the elementary education professional program and in all courses required for the endorsement.

**Professional Studies Core (22 credits)**

- ELED 303 - Educational Psychology - Development and Learning
- ELED 310 - Education, Culture, and Equity
- ELED 370 - Introduction to Teaching
- IT 344 - Foundations of Technology in Teaching and Learning
- IT 442 - Digital Decisions: Technology for Educators
- SPED 364 - Teaching Each Student

**Elementary Program — Methods, Curriculum Content, and Field Experiences (78-81 credits)**

- One course from:
  - ART 398 - Integrated Arts for Elementary Educators
  - DNC 398 - Integrated Arts for Elementary Educators
  - MUS 398 - Integrated Arts for Elementary Educators
  - THTR 398 - Integrated Arts for Elementary Educators
One course from:

- ART 380 - Art Educating the Child
- DNC 433 - Creative Movement for Educators With Lab
- MUS 361 - Music for Elementary Teachers
- THTR 350 - Theatre for Youth
- THTR 351 - Creative Pedagogy
- ELED 425 - Social Studies for the Elementary School
- ELED 470 - Developing Teaching
- ELED 471 - Documenting Teaching
- ELED 480 - Literacy: Beginning Communicators
- ELED 481 - Literacy: Fluent Communicators
- ELED 491 - September Experience
- ELED 492 - Practicum: Experience in Literacy Methods
- ELED 494 - Internship - Elementary
- HLED 455 - Health Education Grades K-8
- MATH 381 - Teaching K-8 Mathematics I
- MATH 382 - Teaching K-8 Mathematics II
- MATH 383 - Teaching K-8 Mathematics III
- MATH 491 - Internship Seminar - Teaching K-8 Mathematics
- PE 345 - Physical Education for Elementary School
- SCED 480 - Science Methods and Curriculum for the Elementary School
- SCED 490 - Laboratory/Field Experience in Elementary Science

Secondary Education Undergraduate and Post-Baccalaureate Professional Program (58 credits)

**Introduction**

The Secondary Education program is designed for those who want to become a teacher at the middle or high school level. The program leads to a recommendation to the state of Washington for a teaching certificate endorsed in at least one subject area. This program requires completion of the Secondary professional education course sequence, a baccalaureate degree with academic preparation for a qualifying endorsement, and a student teaching internship.

**Admission and Declaration Process**

See the Department of Secondary Education catalog for program admission, completion, and teacher certification information.

**Grade Requirements**

Students must earn a grade of C (2.0) or better in the Secondary Education professional program and in all courses required for the endorsement.

- SEC 303 - Teaching Adolescents: Development and Identity
- SEC 310 - Education, Culture, and Equity
- SEC 410 - Dynamics of Teaching
- SEC 411 - Philosophical Foundations of Education
- SEC 425 - Developmental Reading, Writing and Learning in Secondary Schools
- SEC 431 - Secondary School Methods II - Assessment and Long Term Planning
- SEC 432 - Secondary School Methods III - Management, Motivation and Discipline
- SEC 433 - Teaching and Learning Laboratory
- SEC 435 - Secondary Practicum I
- SEC 436 - Secondary Practicum II
- IT 444 - Classroom Use of Instructional Technology (Secondary)
- SEC 495 - Internship - Secondary
- SPED 363 - Secondary Students With Special Needs

**Rationale for change:**
Currently, students seeking the Middle Level Science endorsement are not required to have a practicum experience at the middle school level. This change will correct that oversight. To accommodate this change without increasing the credit load we are reducing the elective requirement by one.

**Effect of change on other programs/ departments/ colleges/ collegial communication:** None.