Master of Science in Science Education (MSSE)

Designed to be completed in two Summer Sessions with five or more semesters interim distance learning course work.

The Master of Science in Science Education degree program is designed for practicing science educators. This intercollege-interdisciplinary degree is sponsored by the colleges of Agriculture; Education, Health and Human Development; Letters and Science; and The Graduate School at MSU. The degree program is coordinated by Intercollege Programs for Science Education.

Thirty semester credits of course work are required for the degree. The program of study includes distance courses that students take by computer-mediated conferencing from their homes or work places and summer campus courses. The program ends with an on-campus summer session in which the student presents the culminating capstone project.

All students complete core courses (12 credits) in education and develop interdisciplinary combinations of courses (18 credits) from offerings in biology, chemistry, earth sciences, microbiology, physics and other areas. About three-fourths of the courses are offered through a distance learning mode of instruction.

Each student is advised by a three-person faculty graduate committee, and graduate programs are designed taking into account the student’s background, interests and career goals.

Summer Session 2017 will include the following courses:

### On-Campus Courses
Courses are restricted entry. For more information and registration details, contact dianap@montana.edu or (406) 994-5679.

**June 12-16**
- LRES 591 Special Topics (Lake Ecology) 2
**June 19-23**
- BIOE 520 Animal Biodiversity in GYE 2
- ERTH 516 North Rocky Mtn Geology 2
- PSPP 548 Flower Plants of North Rock Mtn 2
**June 24**
- ERTH 594 Seminar 1-4
**June 26-June 30**
- BIOE 523 Wildlife Ecology 2
- LRES 557 Thermal Biology in YNP 2
- PSPP 591 Special Topics (Plants, People, Health) 2
**June 26-July 1**
- GEO 521 Dinosaur Paleontology 2
**July 3-7**
- BIOE 591 Special Topics 2
- CHMY 594 Seminar 1
**July 5-8**
- EDCI 575 (MSSE Symposium in Science Education) 3
**July 10-14**
- BIOE 522 Birds of Prey 2
- EELE 591 Special Topics 2
- LRES 569 Ecol of Invasive Plants in GYE 2
- PHSX 591 Special Topics (Teaching Electricity & Magnetism) 2

**July 17-21**
- BIOE 591 Special Topics (Alpine Ecology) 2
- CSCI 592 2
- PHSX 401 Physics by Inquiry I (1st week of 2 weeks) 3

**July 23-28**
- ERTH 591 Special Topics (Geology of Glacier National Park) 2

**July 24-28**
- PHSX 401 Physics by Inquiry I (second week) 3

### Distance Delivery Courses
For more information and registration details, visit the MSSE website at www.montana.edu/msse or call (406) 994-5679.

**June 12 - August 4**

#### Biology
- BIOE 513 Terrestrial Ecology of Plains and Prairies 1
- BIOE 519 Riparian Zones/Wetlands 2
- BIOE 591 Special Topics (Anatomy & Physiology) 3

#### Chemistry
- CHMY 591 Special Topics (Chemistry of the Environment) 3
- CHMY 591 Special Topics (Exploring Chemistry for Teachers) 3
- CHMY 591 Special Topics (Exploring Biochemistry) 3

#### Education, Curriculum & Instruction
- EDCI 536 Construction of Curriculum 3
- MSSE 501 Inquiry Sci Eng Prac 2
- MSSE 591 Special Topics (Capstone Data Analysis & Classroom Statistics) 2
- MSSE 591 Special Topics (Web Tools for Teachers) 3

#### Microbiology
- MB 541 Microbial Genetics 3

For more information on the Master of Science in Science Education (MSSE) Program visit our website at www.montana.edu/msse or contact:

Diana Paterson  
MSSE Associate Director  
451 Reid Hall  
P.O. Box 172805  
Montana State University  
Bozeman, MT 59717-2805  
(406) 994-5679  
dianap@montana.edu
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This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.