



Science

Graduate Faculty

Dr. John Truedson (Coordinator; jtruedson@bemidjistate.edu), Dr. Julie Larson, Dr. Elizabeth Rave

Programs

- Science, M.S. *master*

Science, M.S. *master*

****This program has been discontinued****

Students are no longer being admitted to this program

I. REQUIRED PROFESSIONAL EDUCATION CORE

Complete the following courses:

Note: ED 6108 has a pre-requisite not required in this program.

- ED 6100 Educational Research I (3 credits)
- ED 6107 Advanced Educational Psychology (3 credits)
or ED 6108 The Learning Community (3 credits)

II. REQUIRED SCIENCE EDUCATION CORE

Complete the following courses:

- SCI 6030
- SCI 6110 Science Technology and Society (2 credits)
- SCI 6920

III. REQUIRED SCIENCE ELECTIVES

Select 18 credits from the following:

- BIOL6020
- BIOL6030
- BIOL6040
- BIOL6050
- GEOL6010
- PHYS 6030 Electronics for Teachers (3 credits)
- PHYS6040
- PHYS 6050 Modern Physics for Teachers (3 credits)
- SCI 6040 Construction and Use of Demonstration Apparatus (2 credits)
- SCI 6120
- SCI 6130
- SCI 6210
- SCI 6220
- SCI 6250
- SCI 6300

IV. RESEARCH REQUIREMENTS

Complete one of the following courses:

- SCI 6980
- SCI 6990

COMPETENCY REQUIREMENT

A working knowledge of applied statistics is required. This requirement may be satisfied by successfully completing SCI 6350 Computer Applications in Statistics

All major programs require satisfactory completion of a final written examination, which needs to be successfully complete prior to scheduling the oral examination. Please consult with your academic advisor for requirements specific to your area of study.

Science Courses

SCI 6040 Construction and Use of Demonstration Apparatus (2 credits)

This course is designed to provide students with skills to develop apparatus which they may use in a classroom setting. The students will develop several projects for demonstration purposes or for laboratory use.

SCI 6110 Science Technology and Society (2 credits)

Examines the role of science and technology in today's society. Although the problems and the solutions may be complex with significant politics involved, the focus of the course is to examine the role and responsibility of science in dealing with these issues.

All-University Courses

The course numbers listed below, not always included in the semester class schedule, may be registered for by consent of the advisor, instructor, or department chair, or may be assigned by the department when warranted. Individual registration requires previous arrangement by the student and the completion of any required form or planning outline as well as any prerequisites.

- 1910, 2910, 3910, 4910 DIRECTED INDEPENDENT STUDY
- 1920, 2920, 3920, 4920 DIRECTED GROUP STUDY
- 1930, 2930, 3930, 4930 EXPERIMENTAL COURSE
- 1940, 2940, 3940, 4940 IN-SERVICE COURSE
- 1950, 2950, 3950, 4950 WORKSHOP, INSTITUTE, TOUR
- 1960, 2960, 3960, 4960 SPECIAL PURPOSE INSTRUCTION
- 1970, 2970, 3970, 4970 INTERNSHIP
- 1980, 2980, 3980, 4980 RESEARCH
- 1990, 2990, 3990, 4990 THESIS