

MAYVILLE STATE UNIVERSITY

Composite in Science Education
Bachelor of Science in Education

Personal Service

We pride ourselves on being just the right size to give students the time they need to be successful. Our average class size is 15, so you will have small, personalized class settings to receive the education that you deserve. Your professors will introduce you to new ways of thinking, exploring issues creatively, and evaluating ideas as you engage in the world.

Opportunity

Whether it's music, athletics, or politics, students at MSU have the chance to participate in a variety of activities and clubs. These organizations are a great way to make new friends with similar interests, and the involvement outside the classroom looks great on a resume.

Some clubs and activities include:

- Theater
- Band & Choir
- Math Club
- DECA
- Esports
- Science Club
- Comet Radio
- Student Government
- Intramural Sports
- Student Education Association

"I like the small class sizes. All of my professors are very understanding and willing to help me with whatever I need. "

- Carissa N.
Biology Education Major

Value

The combination of MSU's affordability and its unique offerings make it a Best Regional College, as designated by the Princeton Review. This selection process is based on meeting criteria for academic excellence as well as results of surveys done by current MSU students.

The Program

Mayville State's science program will prepare you for many career and educational opportunities. The program offers opportunities for students to get involved in biological research and to actively participate in the biology/science community. Our science program will produce the following student learning outcomes:

- Students will acquire a content knowledge base commensurate with career goals.
- Students will communicate scientific information both orally and in writing.
- Students will apply quantitative or qualitative theories of science to a broad variety of biological problems (including experiential component).
- Students will construct and critically analyze scientific arguments.

Undergraduate Research Opportunities

In many programs, research opportunities are limited to graduate students, but at Mayville State we're focused on your success as an undergraduate. That's why our program offers you personalized class settings, up-to-date tools, and the opportunity for a variety of research projects.



Major: Composite in Science Education

Required credits to graduate with this degree: 138

A minor is not required with this major program. Teacher certification also requires completion of EDUC 398-Secondary Education Field Experience and EDUC 484-Secondary Methods for Science, and EDUC 426-Reading in the Content Area, and the secondary education core required for teacher certification. Completion of this program qualifies graduates for certification to teach all sciences, grades 7-12, in North Dakota and for biology or life science licensure, grades 5-12, in Minnesota. A capstone laboratory or non-laboratory project (SCNC 480) is required.

Composite in Science Education majors complete 36 hours of Essential Studies. The following Essential Studies courses require a minimum grade of "C": COMM 110, ENGL 110, ENGL 120 or ENGL 125, GEOG 103, MATH 103, and PSYC 111. Additional requirements to the major include BIOL 150, BIOL 150L, BIOL 151, BIOL 151L, and MATH 105.

Composite in Science Education - B.S.Ed

Core Requirements:

BIOL 151/L	General Biology II/Lab	4 SH
BIOL 220/L	Anatomy & Physiology I/Lab	4 SH
BIOL 236/L	Survey of Botany/Lab	4 SH
BIOL 312/L	Vertebrate Zoology/Lab	4 SH
BIOL 315/L	Genetics/Lab	4 SH
BIOL 332	General Ecology	3 SH
BIOL 341/L	Cell & Molecular Biology/Lab	4 SH
BIOL 359	Evolution	3 SH
BIOL 476S	Comprehensive Review & Examination	1 SH
CHEM 122/L	General Chemistry II/Lab	4 SH
CHEM 341/L	Organic Chemistry/Lab	4 SH
GEOL 115/L	Introductory Geology/Lab	4 SH
MATH 165	Calculus I	4 SH
MATH 323	Probability & Statistics	3 SH
PHYS 110/L	Introductory Astronomy/Lab	4 SH
PHYS 211/L	College Physics I/L	4 SH
PHYS 212/L	College Physics II/L	4 SH
EDUC 326	Science Strat. for Elem. Tchrs.	3 SH
SCNC 480	Science Comprehensive	1 SH



Secondary Professional Education

Core Requirements:

EDUC 250	Introduction to Education	3 SH
EDUC 272	Educational Technology	2 SH
EDUC 290	Theories of Learning & Mgmt	2 SH
EDUC 380	Teaching English Lang. Learners	2 SH
EDUC 381	Human Relations & Cult. Diversity	3 SH
EDUC 390	Special Needs in Inclusive Environ	3 SH
EDUC 398	Secondary Educ. Field Experience	1 SH
EDUC 400	Student Teaching	10 SH
EDUC 401	Elec. Port., Assessment/Seminar	2 SH
EDUC 401S	Pre-Student Teaching Seminars	0 SH
EDUC 422	Educational Assessment	2 SH
EDUC 426	Reading in the Content Area	2 SH
EDUC 480	General Methods for Sec. Educ	4 SH
EDUC 480L	General Methods Field Experience	1 SH
EDUC 484*	Secondary Methods for Science	2 SH
PSYC 255	Child & Adolescent Psychology	3 SH

Total 42 SH

**Students taking methods courses must be able to make arrangements for blocked periods of time to allow for field experiences.*

Students are required to complete a Secondary Method course based on the degree selected with a minimum grade of "C".

*** Double majors must register for one semester hour of credit per major.*

A cumulative GPA of 2.75 must be earned in teaching major, minor, and professional education courses. A grade of "C" or better is required for all professional and methods education courses, excluding EDUC 250 where a "B" is required.



If you have any questions regarding the Composite in Science Education program, please contact Megan Vig, megan.vig@mayvillestate.edu or visit:

www.MayvilleState.edu