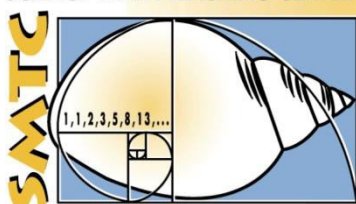


Masters of Science in Natural Science Middle Level Science Concentration (MSC)

Science and Mathematics Teaching Center

SCIENCE • MATH TEACHING CENTER



UNIVERSITY OF WYOMING

University of Wyoming
1000 E. University Ave Dept. 4320
Laramie, WY 82071
Hill Hall 242
ph.:307.766.6381
Email: smtc@uwyo.edu
www.uwyo.edu/smtc

- **Mission:** To deepen understanding of science concepts and environments that support teaching and learning science
- **For Who?** Current teachers who would like to obtain a middle-level science endorsement and have at least 2 years of teaching experience
- **Why?** The content courses can be used as professional development towards meeting the federal definition of a "highly qualified" teacher

Courses (In June in Laramie for 4 weeks):

Courses with a focus on science content, instructional strategies, and research rotate on a three year sequence. Students may enter the program in any summer.

- 24 hours of core courses* in life sciences, physical sciences, earth sciences, as well as content, pedagogy, assessment and research
- 6 additional graduate credits from appropriate science and research courses
 - Suggested courses:
 - **NASC 5670-** Plan B Research and writing
 - **NASC 5810-** Middle Level Science & Math Practicum (Required for teachers who are not currently teaching middle level science/math)
- Completion of a Plan B (non-thesis) or Capstone project

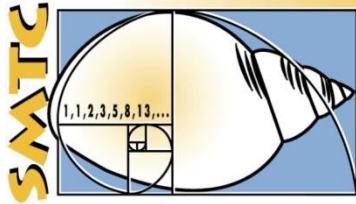
Core Courses:

Physical Sciences (Summer 2024)	Earth Sciences (Summer 2025)	Life Sciences (Summer 2026)
EE 4800 - Energy Policies and Impacts (1 cr) NASC 5110 - Physical Science (3 cr) NASC 5510 – Integrated Instructional Strategies (2 cr) NASC 5600 - Math and Stats in Science Teaching (2)	ASTR 4000 - Astronomy for Teachers (2 cr) NASC 5120 - Earth Science in a Global Context (3 cr) NASC 5300 - Natural Science Assessment (2 cr) NASC 5400- Spatial Data Instruction Technology (1 cr)	BOT 5790 - Field Techniques (1 cr) ENTO 5601 - Insects for Teachers (1 cr) NASC 5130 - Life Sciences in a Global Context (3 cr) NASC 5660- Standards, Pedagogy and Research (2 cr) SOC 4890 - Global Populations and Environments (1 cr)

**A certificate program that leads to an endorsement from PTSB in middle level science without earning a master's degree is also offered; participants in this option complete 24 hours of core courses. Contact SMTC for more information.*

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Application Steps:

1. Go to <https://wyoming-edu.secure.force.com>
2. Enter your UW username and password or register as a new user. Once you have access to the Admissions website, complete all required information for a graduate application.
3. For the Program of Study choose **Natural Science MS – College of Education (Middle Level Science)**
4. To complete the application follow the directions on the application page.

You will need:

- A \$50 application fee
- A current resume
- GRE scores or a GRE Alternative Portfolio - information sent by Admissions by email (These items are not required of applicants who hold a prior master's degree)
- Three letters of recommendation – follow instructions on application
- Transcripts from all colleges attended, must include a Bachelor's Degree
- A completed writing sample - questions sent by Admissions

All information is either uploaded or filled in on the Admissions website.

If you have questions or are having any problems regarding the application process, please contact Ana Houseal (ahouseal@uwyo.edu), or SMTC (smtc@uwyo.edu) or Rob Steele in Admissions (rsteele@uwyo.edu) or 307-766-3866).

Application Deadline:

Applications are due April 1st by 12:00 a.m. (or 12:00 a.m. the following Monday if April 1st falls on a weekend). Applicants are encouraged to file early; application reviews and admissions are ongoing.

Non-competitive tuition scholarships for Wyoming Teachers are available (as much as funding allows).