Teaching Sciences (Earth and Space, Life, and Physical Sciences - Chemistry or Physics) B.A.Sc.

Major
Bachelor of Applied Science Education
College of Education and Human Service Professions

Teaching Science at UMD prepares students for licensure in general science grades 5-8 as well as a second license in a chosen content area: Earth & Space Science, Life Science, or Physical Science. All students will learn core science coursework in Biology, Chemistry, Geology, Physics, and Mathematics while learning how to teach sciences both inside and outside the classroom, integrating environmental education into formal and non-formal settings such as parks and nature centers.

Why UMD

• Graduates will be eligible for licensure in general science grades 5-8 in addition to one of the following: Teaching Life Science 9-12, Teaching Earth & Space Science 9-12, Teaching Physics 9-12, or Teaching Chemistry 9-12.
• Graduates are highly sought after for their in-depth understand of science, teaching, and technology.
• Field-based program with 40+ weeks of opportunities to be immersed in multiple classrooms.
• STEP candidates classroom hours:
  ○ Block 1 = 60+ hours
  ○ Block 2 = 60+ hours
  ○ Block 3, student teaching 16 weeks. = 640 hours
  ○ Grand total of a minimum 760 hours in the classroom

Acquired Skills

• Design and teach effective lessons.
• Create instruction opportunities that are adapted to students with diverse -backgrounds and exceptionalities.
• Use data to inform and improve instruction and programs.

Career Possibilities

Entry level positions include Middle or High School Teacher, teach science in a non formal educational setting such as a zoo, park or museum. Advanced degree positions include Principal, Dean of Students, School Counselor, Community College Instructor.

Scholarships

Students in CEHSP are eligible to apply for more than 100 scholarships each academic year typically totaling $120,000 annually. For more information on scholarship opportunities, visit our scholarship webpage (https://z.umn.edu/scholarshipcehsp).

UMD's Education Department has over 25 scholarships ranging from $1,000 to $10,000. Scholarships vary in criteria and some are specifically for subject areas or students entering student teaching in the US or starting their student teaching abroad.
**Student Clubs**

- Education MN Student Association (EMSA)

**Faculty Highlights**

Faculty have won campus & college awards for outstanding teaching, research, advising and service. Faculty members are dedicated teachers, academic advisors, scholarly researchers, curriculum designers.

**Graduate Report**

Recent UMD Graduates Job Placement Data & Employers

Here’s a sampling of positions Teaching Sciences grads have attained six months to one year after graduation.

- 5th Grade Science Teacher - Northwest Suburban Integration School District, Rockford Middle School Center for Environmental Studies, Rockford, MN
- Earth Science Teacher - Virginia Minnesota Public Schools, Virginia, MN

For more data see the Teaching Sciences Graduate Follow-Up Report.

For ideas about Teaching Sciences and other majors visit Career & Internship Services.