Science Education: Initial Licensure

In order to be recommend for your Minnesota 9-12 Science (Chemistry, Earth and Space Science, Life Science, Physics) and 5-8 general science teaching license(s), you must successfully complete the following licensure requirements.

Required Coursework

You must complete the following licensure coursework with an overall accumulative GPA of 2.8 or higher and with individual course grades of a C- or better.

Content Prerequisite Courses

You must complete the content prerequisite course requirement that corresponds to the license area(s) you are pursuing.

- Chemistry
- Earth and Space Science
- General Science
- Life Science
- Physics

Common Content Courses

CI 5012: Culture, Schools, & Communities: Human Relations I (3 cr)
CI 5013: Culture, Schools, & Communities: Human Relations II (1 cr)
CI 5307: Technology for Teaching and Learning (1.5 cr)
CI 5452: Reading in the Content Areas (2 cr)
CI 5617: Academic Language and English Learners I (1 cr)
CI 5618: Academic Language and English Learners II (1 cr)
EPSY 5001: Learning, Cognition, and Assessment (3 cr)
EPSY 5017: Teaching Exceptional Students in General Education Classrooms (2 cr)

Licensure Content Specific Courses

CI 5530: Secondary Science Methods I (3 cr)
CI 5531: Secondary Science Methods II (3 cr)
CI 5532: Secondary Science Methods III (3 cr)
CI 5541: Teaching History and Nature of Science (3 cr)
CI 5419: American Middle School (required if pursuing a 5-8 general science license) (3 cr)
CI 5596: Clinical Experience in Middle School Science (4 cr)
CI 5597: Clinical Experience in High School Science (8 cr)

See reverse for clinical and field experiences, testing, assessment information, and license application information.
Clinical and Field Experiences
Field experience for UMN Twin Cities teacher candidates is an intentionally planned part of each licensure program. In order to be recommended for licensure, candidates in the science education program must complete 260 hours of course-based field work prior to student teaching. This program culminates with 12 weeks of full-time student teaching.

Minnesota State Licensure Testing and Assessments

**MTLE (Minnesota Teacher Licensure Examinations)**
Minnesota Professional Educator and Licensing Boards (PELSB) requires that you take and pass the MTLE (Minnesota Teacher Licensure Examinations) content and pedagogy tests for your MN tier 3 license. Information (registration, study materials) on the required MTLE tests specific to your license area(s) can be found at our MTLE support website.

**edTPA (Education Teacher Performance Assessment)**
You must successfully complete and submit your edTPA portfolio, as stipulated by PELSB, before being recommended for your MN teaching license. edTPA is introduced in your program method courses, and you will complete it in conjunction with your student teaching. Follow the instructional documents available at our edTPA resource website.

Submitting Your Minnesota License Application
Once the above requirements are confirmed complete (via APAS, MTLE, and edTPA official reports), you must submit your complete Minnesota teaching application to the Office of Teacher Education (OTE). You must follow the teacher licensure application process instructions. OTE licensing team reviews your license application, and once verified that all of the requirements are complete, we send your application packet to the Professional Educator Licensing and Standards Board (PELSB). This usually takes about two weeks, but can take longer during the busy summer season. PELSB typically takes 8-12 weeks to process a license; you can look up your license progress online through PELSB’s website.