



## Science Education: Initial Licensure

In order to be recommended 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 cumulative 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 5102: Culture, Schools, & Communities: Human Relations I (3 cr)  
CI 5103: Culture, Schools, & Communities: Human Relations II (1 cr)  
CI 5452: Reading in the Content Areas (2 cr)  
CI 5542: Technology for Science and Teaching (3 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 5016: Special Education Foundations: Advancing Equity and Inclusive Practices (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 5542: Technology for Science Teaching and Learning (3 cr)  
CI 5596: Secondary Science Pre-Student Teaching Seminar (3 cr)  
CI 5597: Secondary Science Student Teaching Seminar (3 cr)  
CI 5924: Pre-Student Teaching Experience (3 cr)  
CI 5925: Student Teaching Clinical Experience (9 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 Assessments

### [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, edTPA submission), you must submit your complete Minnesota teaching application to the Office of Teacher Education (OTE). You must follow the [teacher licensure application process](#) instructions. The OTE licensing team reviews your license application, and once verified that all of the requirements are complete, we email signed application documents to you. You then send your application packet to the Professional Educator Licensing and Standards Board (PELSB). This usually takes about 3-5 business days, two weeks, but can take longer during the busy summer season. PELSB typically takes 6-8 weeks to process a license; [you can look up your license progress online through PELSB's website](#).