

# SECONDARY EDUCATION - CHEMISTRY (6-12) UNDERGRADUATE CERTIFICATE

**Banner Code:** E1-CERB-SEEC

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Website: [education.gmu.edu/secondary-education-6-12/academics/secondary-education-chemistry-undergraduate-certificate](http://education.gmu.edu/secondary-education-6-12/academics/secondary-education-chemistry-undergraduate-certificate)

This 23-credit certificate is available only to students pursuing a BA (<http://catalog.gmu.edu/colleges-schools/science/chemistry-biochemistry/chemistry-ba/>) or BS (<http://catalog.gmu.edu/colleges-schools/science/chemistry-biochemistry/chemistry-bs/>) in Chemistry. Students who complete both the BA or BS in Chemistry and this certificate will be considered *Virginia state-approved educator preparation program completers* and will be eligible for recommendation for an initial VA teaching license in Secondary Education (6-12) Chemistry.

SEED 483	Advanced Methods of Teaching Science in Secondary School	3
SEED 491	Internship Seminar in Secondary Teaching	2
SEED 494	Internship: Secondary Education Science (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	6
<b>Total Credits</b>		<b>23</b>

## Admissions & Policies

### Admissions

Students applying for this undergraduate certificate as a secondary program must have satisfied the following requirements:

- enrolled in the BA or BS in Chemistry program
- a minimum cumulative GPA of 3.00
- an official College of Education and Human Development review of discipline-specific content competencies coursework (note: a minimum grade of C (2.00) must have been attained in such coursework completed at Mason).  
See website (<https://cehd.gmu.edu/teacher/think-you-want-to-be-a-teacher/>) for more information on the admissions process.

### Policies

Prior to application for internship, students are required to complete all discipline-specific content competency (<https://cehd.gmu.edu/endorse/>) requirements, pass licensure assessments, and have earned a grade of B (3.00) or better in all licensure coursework.

## Requirements

### Certificate Requirements

Total credits: 23

This certificate may be pursued on a full-or part-time basis.

#### Teacher Licensure Coursework

Code	Title	Credits
EDRD 419	Literacy in the Content Areas	3
SEED 422	Foundations of Secondary Education	3
SEED 440	Human Development, Learning, and Teaching	3
SEED 473	Teaching Science in the Secondary School	3