

# Graduate Certificate in Chemistry

This certificate program will provide students with graduate-level training in chemistry without the requirement for a thesis or dissertation. The graduate-level chemistry courses the students enroll in will increase their chemistry knowledge, will strengthen their problem-solving skills, literature search skills, writing and presentation skills, which will improve their job prospects and will make them more competitive for graduate degree programs.

## Admission Requirements

- A four year BA or BS degree in chemistry or a closely related discipline
- A minimum GPA of 3.0
- TOEFL: 79 (internet based) or 550 (paper-based) or IELTS: 6.5 (if applicable)
- College and university transcripts
- Personal statement
- General GRE scores
- Curriculum Vitae
- Three confidential letters of recommendation

## Degree Requirements

The Graduate Certificate in Chemistry is an 18 credit hour program. Students must select a minimum of nine credits of the formal graduate-level lecture course offerings of the Department of Chemistry and Biochemistry. The remaining nine credits may consist of additional chemistry graduate-level lecture courses, or graduate research credits in chemistry, or a combination thereof. Students are encouraged to attend Graduate Seminar every semester, but are not required to do so. Up to one credit of Graduate Seminar (CHEM 5195 Graduate Seminar/CHEM 6195 Graduate Seminar) may count toward the Graduate Certificate in Chemistry. C grades in the chemistry graduate courses are considered passing grades, but Chemistry Graduate Certificate students must maintain an overall GPA of 3.0 or higher.

## Degree Plan

Code	Title	Hours
Prescribed Electives		
<b>Select nine credit hours from:</b>		<b>9-18</b>
CHEM 5301	Modern General Chemistry	
CHEM 5318	Advanced Analytical Chemistry	
CHEM 5319	Contem Topics Analytical Chem	
CHEM 5321	Advanced Organic Chemistry I	
CHEM 5322	Advanced Organic Chemistry II	
CHEM 5329	Contem Topics Organic Chemistr	
CHEM 5331	Advanced Biochemistry	
CHEM 5339	Contemp Topics in Biochemistry	
CHEM 5341	Anal./Model of Bio Structures	
CHEM 5351	Advanced Physical Chemistry I	
CHEM 5352	Advanced Physical Chemistry II	
CHEM 5359	Contemp Topics Physical Chem	
CHEM 5361	Advanced Inorganic Chemistry	
CHEM 5369	Contemp Topics Inorganic Chem	
<b>Free Electives</b>		
<b>Select up to 0-9 hours from:</b>		<b>0-9</b>
CHEM 5195	Graduate Seminar	
CHEM 5196	Graduate Research in Chemistry	
CHEM 5396	Graduate Research in Chemistry	
<b>Total Hours</b>		<b>18</b>