

# CHEMISTRY CERTIFICATE (M)

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The Chemistry Certificate is designed to prepare secondary education students for success on the Chemistry: Content Knowledge Praxis exam.

It is recommended that the student also complete a course on methods in teaching science to accompany this certificate.

## Student Learning Outcomes for the Chemistry Certificate

Students will:

- Demonstrate an understanding of and ability to apply fundamental chemical concepts;
- Use common laboratory procedures and equipment, often as a member of a team, to gather meaningful data;
- Analyze and interpret data to arrive at appropriate conclusions;
- Apply principles of laboratory safety and chemical hygiene; and
- Communicate and summarize scientific information effectively and accurately in both oral and written form;

## Curriculum

Code	Title	Hours
<b>Required Courses</b>		
CHEM 105	Elements of General and Biological Chemistry	4
CHEM 141	General Chemistry I	4
CHEM 142	General Chemistry II	4
<b>Total Hours</b>		<b>12</b>