

# CHEMISTRY SKILLS, CERTIFICATE OF COMPETENCY

**Banner Code:** 1\_NCH\_CHEM  
**Not Financial Aid Eligible**

This certificate addresses skills and competencies generally developed during a student's secondary educational experiences. Students are awarded the Chemistry Skills Certificate as evidence they have passed at least three Chemistry Skills classes, to ensure their competency in the material. Students that complete this certificate have had extended exposure and practice in the areas of applying mathematical principles, problem-solving, and laboratory techniques to chemistry concepts to compensate for skills not learned in high school. This will improve student retention, success, and ability to transfer colleges and get laboratory work.

## Program Outcomes

1. Explain and give examples of common problem-solving skill strategies in chemistry.
2. Employ critical thinking and common problem-solving strategies to solve chemistry problems.
3. Learn how to make and record proper observations and measurements with standard laboratory equipment.

## Certificate of Competency

A certificate in a recognized career field articulated with degree-applicable coursework, completion of an associate degree, or transfer to a baccalaureate institution.

For more information regarding noncredit, please visit <https://orangeoastcollege.edu/academics/adult-education/index.html> (<https://orangeoastcollege.edu/academics/adult-education/>)

Course	Title	Hours
<b>Required Courses</b>		
Select three courses from the following:		
CHEM A010N	Chemistry Skills for Introductory Chemistry Noncredit	18
CHEM A030N	Chemistry Skills for Preparation for General Chemistry Noncredit	18
CHEM A080N	Chemistry Study Skills for General Chemistry A	18
CHEM A081N	Lab Skills for General Chemistry A	18
CHEM A085N	Chemistry Study Skills for General Chemistry B	18
CHEM A086N	Lab Skills for General Chemistry B	18
<b>Total Hours</b>		<b>54</b>