



CURRICULUM GUIDE 2020-2021

CHEMISTRY LAB SKILLS: ADVANCED

Certificate of Accomplishment in Chemistry Lab Skills: Advanced

This certificate in Advanced Chemistry Lab Skills emphasizes basic laboratory skills, plus experience with distillation, refluxing, purification techniques, melting point determinations, and hands-on use of FTIR. Ideal for students seeking a research internship, this certificate demonstrates advanced skill and the ability to work independently in both organic and inorganic lab settings. Students receiving this certificate would be best qualified for more selective internships or employment in a chemical lab.

Requirements for Certificate of Accomplishment:

- a) Complete satisfactorily the courses listed for the particular certificate.
- b) Complete at least 50% of the required units at Ohlone College.
- c) Maintain a 2.0 grade point average.

Student Learning Outcomes

1. Apply principles of proper laboratory procedures, safety, and record keeping.
2. Demonstrate proficiency in lab protocols and instrumentation including distillation, refluxing, purification techniques, melting point determinations, and hands-on use of FTIR.

CHEM-112A	Organic Chemistry	5
CHEM-112B	Organic Chemistry	<u>5</u>
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