

JAMESTOWN COMMUNITY COLLEGE
State University of New York
INSTITUTIONAL COURSE SYLLABUS

Course Title: Organic Chemistry 1 Lab

Course Abbreviation and Number: CHE 2532

Credit Hours: 1

Course Type: LA

Course Description: Organic Chemistry 1 Lab reinforces theoretical concepts covered in lecture through hands-on experimentation and data analysis. Lab experimentation includes melting point determination, recrystallization, chromatography, and distillation. This course is designed for science majors and serves as a prerequisite for advanced chemistry courses, or those students who need a strong foundational chemistry knowledge for an advanced degree.

Prerequisite: CHE 1561+1562; Corequisite: CHE 2531.

General Education Requirements Met:

SUNY

JCC

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Apply principles from topics covered in the lecture portion of the course via scientific experimentation.
2. Demonstrate understanding of the scientific method by generating hypotheses, running experimentation, analyzing data, and drawing evidence-based conclusions.

Topics Covered:

- Melting Point Determination
- Recrystallization
- Solvent Pair Recrystallization
- Thin Layer Chromatography
- Column Chromatography
- Stereochemistry
- Distillation
- SN1/SN2 Reactions

Information for Students:

- Expectations of Students
 - [Civility Statement](#)
 - [Student Responsibility Statement](#)
 - [Academic Integrity Statement](#)
- Accessibility Services: <https://www.sunyjcc.edu/accessibility>
- Get Help: <https://www.sunyjcc.edu/gethelp>
- Emergency closings: <https://www.sunyjcc.edu/jccalert>
- Course grades are determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

Letter Grade	A	B+	B	C+	C	D+	D	F
Numerical Grade	4.0	3.5	3	2.5	2	1.5	1	0

- Veterans and active-duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.

Effective Term: Fall 2026