

Major Offered Through:

CORVALLIS

Umpqua Community College

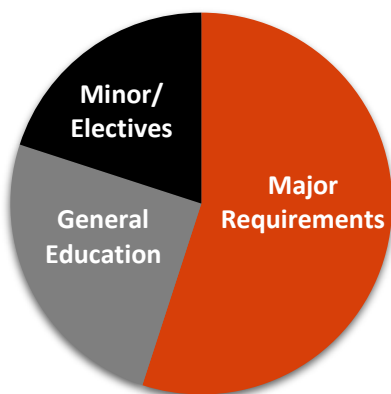
Chemistry

Students benefit from world-class chemistry faculty, an illustrious tradition of research and teaching in addition to state-of-the-art laboratories. Nationally and internationally ranked in many research areas, the Chemistry Department is a national leader in discovering new chemical approaches to improve the environment, curing disease and identifying solutions to global climate change and sustainable and clean energy applications.

Chemistry Options (required)

- Advanced Chemistry
- Advanced Biochemistry
- Biochemistry
- Business
- Chemistry Education
- Environmental Chemistry
- Forensic Science
- Materials Science
- Pre-Medicine

Your Bachelor's Degree (BA/BS) in the College of Science



A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).

- A maximum of 135 transfer credits may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 can be accepted.
- Options available. See "Important Notes".
- See the OSU Catalog for a list of courses required for your major and option: catalog.oregonstate.edu

Courses for this Major (Offered at Umpqua Community College)

This list is comprehensive. Speak with an OSU advisor for more information.

Priority courses to complete before transferring are distinguished by ^P

Chemistry Core Requirement	UCC Equivalent Course	OSU Courses	Notes
Mathematics ^P	MTH 251Z, 252Z, 253Z, 254, 256	MTH 251Z, 252Z, 254 ALSO Chem Engr and Material Sci take 256; Adv Biochem take 253Z; Adv Chem take 253Z and 256	Math placement determines where students begin in math. Please speak to your UCC advisor.
General Chemistry ^P	CH 221Z/227Z, 222Z/228Z, 223Z/229Z	CH 221Z/227Z, 222Z/228Z, 223Z/229Z	
Physics ^P Taking physics before transfer is strongly encouraged.	PH 201, 202, 203 or PH 211, 212, 213	PH 201, 202, 203 or PH 211, 212, 213	Option requirement: Adv Chem; Adv. Biochem; Chem Engr; Materials Science must take Physics with Calculus.
Principles of Biology ^P	BI 221Z, 222Z, 223Z	BI 221Z, 222Z, 223Z - transfers course by course. BI 211, 212, 213 - need full year to transfer	Option requirement: Adv Biochem, Biochem, Forensic Sci, Env Chem, Pre-Med take BI 221Z, 222Z, 223Z. Other options take 1 term of any life science class.
Organic Chemistry	CH 241, 242, 243	Satisfying ochem transfer requirement will fulfill requirement for CH 334, 335, 336	Must pass the ACS organic exam offered as part of UCC course to receive upper division credit: https://chemistry.oregonstate.edu/undergraduate/transfer-students/organic-chemistry-transfer-policies#UGOCCC

Important Notes & Resources

Important Notes for the College and Major:

- Grade requirements: C- or better in all lower division math, biology, and chemistry coursework.
- See a sample degree plan here: [Chemistry Sample Plan](#)
- For more information about the Chemistry major see here: [More information](#)
- Option required. Select from: Advanced Chemistry, Advanced Biochemistry, Biochemistry, Business, Chemistry Education, Chemical Engineering, Environmental Chemistry, Forensic Science, Materials Science, Pre-Medicine.
- Other similar majors to explore: Physics, Mathematics, Biochemistry & Biophysics, Food Science & Technology, and Microbiology.
- Physics, Mathematics, Chemistry, Biology and some Core Education are priority courses to complete before transferring to OSU.
- For Chemistry students, the best time to transfer is fall term, particularly due to the required three term science series courses. Talk with an OSU advisor about your specific timeline.
- It is important to speak with the College of Science Transfer Advisor early on, and often, to ensure correct course selection and sequencing. See email below.

Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU.
- If you've completed the Oregon AAOT or ASOT, all lower division Core Ed requirements are considered complete.
- If you've completed to CTM (Core Transfer Map) or an MTM (Major Transfer Map), all lower division Core Ed requirements are considered complete except Difference, Power and Oppression Foundations.
- Preparing to apply to OSU? See admissions info: transfer.oregonstate.edu/applying-oregon-state-university
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Find more transfer student resources at transfer.oregonstate.edu.

Core Education Requirements

- Please note, Core Education ("Core Ed"), include the general education requirements for students admitted to OSU Summer 2025 and onward. Students admitted Spring 2025 and earlier should refer to the Baccalaureate Core and/or their advisor for guidance.
- For full listing of courses that fulfill Core Education requirements, please refer to <https://transfer.oregonstate.edu/oregon-and-hawaii-course-articulations> and search for the Oregon CC you are attending.

FOUNDATIONAL CORE	Writing Foundations	WR 121Z
	Arts and Humanities: General	many options, see Core Ed link above
	Arts and Humanities: Global	many options, see Core Ed link above
	Quantitative Literacy and Analysis	completed as part of major
	Communication, Media and Society	many options, see Core Ed link above
	Social Science	many options, see Core Ed link above
	Scientific Inquiry and Analysis (2 courses)	completed as part of major
	Difference, Power and Oppression Foundations	many options, see Core Ed link above
SIGNATURE CORE	Transitions	must take through OSU
	Difference, Power and Oppression Advanced	Upper division course, take through OSU
	Seeking Solutions	Upper division course, take through OSU
	Writing Elevation	WR 227Z or WR 362 (Science Writing, at OSU)
	Writing Intensive Curriculum	Upper division course, take through OSU

Advising Contacts

It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing.

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** Also, consider meeting with the OSU transfer advisor (see email below) and visiting OSU to take a campus tour. See <https://visitosu.oregonstate.edu/visit-campus> to schedule your visit.

Umpqua Community College	https://umpqua.edu/academics/academic-resources/academic-advising/
College of Science Transfer Questions	COS-TransferQuestions@oregonstate.edu
College of Science Science Success Center (for general questions)	sciencesuccess@oregonstate.edu 541-737-3854
OSU Chemistry Website	https://chemistry.oregonstate.edu/