

Major Offered Through:

**CORVALLIS**

## Rogue Community College

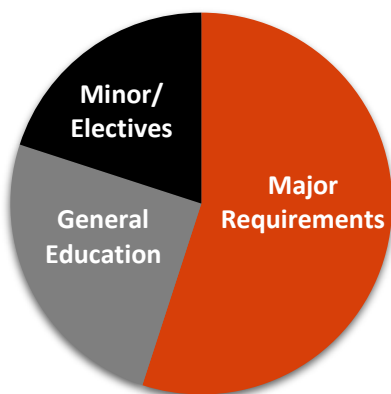
### Chemistry

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](http://catalog.oregonstate.edu)

## Courses for this Major (Offered at Rogue Community College)

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

Priority courses to complete before transferring are distinguished by <sup>P</sup>

| Chemistry Core Requirement                                                            | RCC Equivalent Course                                              | OSU Courses                                                                                                               | Notes                                                                                                                                                                   |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mathematics <sup>P</sup>                                                              | MTH 251Z, 252Z, 253Z, 254, 256                                     | MTH 251Z, 252Z, 254 <b>ALSO</b><br>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 RCC advisor.                                                                               |
| General Chemistry <sup>P</sup>                                                        | CHEM 221Z/227Z, 222Z/228Z, 223Z/229Z                               | CH 221Z/227Z, 222Z/228Z, 223Z/229Z                                                                                        |                                                                                                                                                                         |
| Physics <sup>P</sup><br><b>Taking physics before transfer is strongly encouraged.</b> | PH 201/201L, 202/202L, 203/203L or PH 211/211L, 212/212L, 213/213L | PH 201, 203, 202<br>Note: PH202 at RCC=PH203 at OSU and PH203=PH202 at OSU<br><b>or</b><br>PH 211, 212, 213               | <b>Option requirement:</b> Adv Chem; Adv. Biochem; Chem Engr; Materials Science <b>must take</b> Physics with Calculus.                                                 |
| Principles of Biology <sup>P</sup>                                                    | BI 221Z, 222Z, 223Z                                                | BI 221Z, 222Z, 223Z - transfers course by course.<br>BI 211, 212, 213 - need full year to transfer                        | <b>Option requirement:</b> Adv Biochem, Biochem, Forensic Sci, Env Chem, Pre-Med take BI 221Z, 222Z, 223Z.<br>Other options take just 1 term of any life science class. |

## 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](https://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](https://partnerships.oregonstate.edu/students)
- Find more transfer student resources at [transfer.oregonstate.edu](https://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<br>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<br>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.

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| Rogue Community College                                              | <a href="https://www.roguecc.edu/advising/">https://www.roguecc.edu/advising/</a>                |
| College of Science Transfer Questions                                | <a href="mailto:COS-TransferQuestions@oregonstate.edu">COS-TransferQuestions@oregonstate.edu</a> |
| College of Science<br>Science Success Center (for general questions) | <a href="mailto:sciencesuccess@oregonstate.edu">sciencesuccess@oregonstate.edu</a> 541-737-3854  |
| OSU Chemistry Website                                                | <a href="https://chemistry.oregonstate.edu/">https://chemistry.oregonstate.edu/</a>              |