

Major Offered Through:

CORVALLIS

## Central Oregon Community College

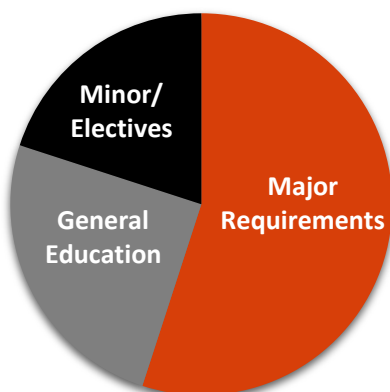
### Mathematics

Mathematicians study quantities, magnitudes, and forms. They construct mathematical models of both scientific and manmade processes, which helps us to predict future events and patterns. Students are trained to think logically and precisely and exposed to many areas of pure and applied mathematics. Mathematics students are well prepared for graduate school, careers in industry or research where mathematics plays a pivotal role. Grounding in pure or abstract mathematics gives students the analytical and problem-solving skills that industry demands.

#### Mathematics Options

- Applied and Computational Mathematics
- Mathematical Biology
- Secondary Teaching Emphasis
- Statistics

### Your Bachelor's Degree (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 Central Oregon 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>*

Mathematics Core Requirement	COCC Equivalent Course	OSU Courses	Notes
Mathematics <sup>P</sup>	MTH 251Z, 252Z, 253Z, 254, 255, 256	MTH 251Z, 252Z, 253Z, 254, 255, 256	Math placement determines where students begin in math. Please speak to your COCC advisor.
Physics <sup>P</sup>	PHY 211	PH 211	

## 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 by searching “Mathematics” at [admissions.oregonstate.edu/find-your-major](https://admissions.oregonstate.edu/find-your-major)
- Option available to select from: Applied and Computational Mathematics, Mathematical Biology, Secondary Teaching Emphasis, Statistics
- Other similar majors to explore: Physics, Engineering, and Economics
- Math, Physics and some Core Education are priority courses to complete before transferring to OSU.
- It is important to speak with your College of Science Transfer Advisor early on, and often, to ensure correct course selection and sequencing.

### 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 except for Synthesis Courses and Writing Intensive Courses
- 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)
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at [visitosu.oregonstate.edu](https://visitosu.oregonstate.edu)
- 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 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	MTH 251Z
	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)	First Course – PH 211 Second Course – Non-Physics – Many Options, see Core Ed Link above
SIGNATURE CORE	Difference, Power and Oppression Foundations	Many Options, see Core Ed Link above
	Transitions	SCI 100/SCI 300 or CORE 100/CORE 300
	Difference, Power and Oppression Advanced	MTH 301
	Seeking Solutions	Many Options, see Core Ed Link above
	Writing Elevation	Many Options, see Core Ed Link above
	Writing Intensive Curriculum	MTH 323, MTH 333 or MTH 338

## 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.

Central Oregon Community College Advising	<a href="https://cocc.edu/departments/cap/advising/">https://cocc.edu/departments/cap/advising/</a>
College of Science Transfer Questions	<a href="mailto:COS-TransferQuestions@oregonstate.edu">COS-TransferQuestions@oregonstate.edu</a>
College of Science Science Success Center (for general questions)	<a href="mailto:sciencesuccess@oregonstate.edu">sciencesuccess@oregonstate.edu</a> 541-737-3854
OSU Mathematics Website	<a href="https://math.oregonstate.edu/">https://math.oregonstate.edu/</a>