

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

**CORVALLIS**

**Oregon Coast  
Community College**

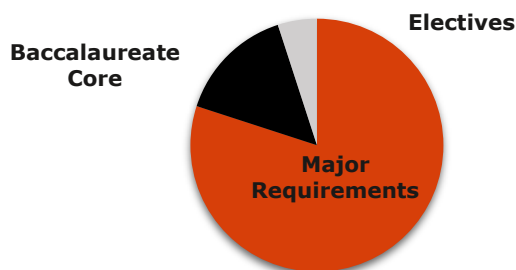
## Radiation Health Physics

School of Nuclear Science and Engineering (NSE) today Radiation health physics is a specialized program in the School of Nuclear Science and Engineering for students with a professional interest in the field of radiation protection. Small quantities of radioactivity exist naturally in the soil, water, and air. Ionizing radiation is used in a variety of beneficial ways, including energy production, medical treatments, transportation safety, medical diagnoses, quality assurance, etc. HP's protect workers and the public from potential hazards associated with exposure.

Radiation Health Physics graduates are highly employable and tend to work where radionuclides and radiation are used or produced:

- Nuclear Power Plants
- Academic and research institutions
- Government agencies (federal, state, local)
- Consulting Firms
- National Labs
- Medical Facilities

## Your Bachelor's Degree (BS) in the College of Engineering



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- Some courses can count towards your major and the Baccalaureate Core. Advisors can assist in selection.
- More info at [ne.oregonstate.edu/about-nse](http://ne.oregonstate.edu/about-nse)

## Courses Required for Radiation Health Physics Major

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

| Radiation Health Physics Core Requirements | Oregon Coast CC Equivalent Course | OSU Course  | Notes  |
|--|-----------------------------------|---|--|
| Intro Nuc. Engr & Rad. Hlth. Phys I        | N/A                               | NSE 114   |  |
| Intro NE & PHP II                          | N/A                               | NSE 115   |  |
| Nuclear & Radiation Physics I              | N/A                               | NSE 234   |  |
| Nuclear & Radiation Physics II             | N/A                               | NSE 235   |  |
| Nuc. Rad. Detection & Instrument.          | N/A                               | NSE 236   |  |
| Differential Calculus                      | MTH 251                           | MTH 251   |  |
| Integral Calculus                          | MTH 252                           | MTH 252   |  |
| Vector Calculus                            | MTH 254                           | MTH 254   |  |
| General Chemistry                          | N/A                               | CH 121  | CH 121-123 available online at OSU   |
|  | N/A                               | CH 122  |  |
|  | N/A                               | CH 123  | Only select one full series (either all 100-level, or 200-level)   |
|  | CH 221                            | CH 231/261  |  |
| CH 222                                     | CH 232/262                        | Lecture & lab for 200-level Chemistry have separate course numbers at OSU |  |
| CH 223                                     | CH 233/262                        |   |  |
| Principles of Biology                      | BI 211                            | BI LD2  | Only select one full series (either all of 211-213, or all of 221-223)   |
|  | BI 212                            | BI LD2  |  |
|  | BI 213                            | BI LD2  | OSU now only offers BI 221-223. If taking BI 211-213, you must take entire series at Oregon Coast.   |
|  | N/A                               | BI 221  |  |
| N/A  | BI 222                            |   |  |
|  | N/A                               | BI 223  | Refer to <a href="http://admissions.oregonstate.edu/ld1-and-ld2-explained">admissions.oregonstate.edu/ld1-and-ld2-explained</a> to learn more about BI LD2 equivalency |
| Intro to Statistics                        | MTH 243                           | ST 201  | Complete either ST 201/202 OR ST 314   |
|  | MTH 244                           | ST 202  |  |
| Intro to Statistics for Engineers          | N/A                               | ST 314  |  |

## Courses Required for Radiation Health Physics Major, cont.

| RHP Core Requirements                            | Oregon Coast CC Equivalent Course | OSU Course                 | Notes   |
|--|-----------------------------------|----------------------------|---|
| General Physics                                  | PHY 201<br>PHY 202<br>PHY 203     | PH 201<br>PH 202<br>PH 203 | Only select one full series (either all 201-203, OR all of 211-213) |
| General Physics (with Calculus)                  | PHY 211<br>PHY 212<br>PHY 213     | PH 211<br>PH 212<br>PH 213 |   |
| Intro to Anatomy & Physiology                    | BI 231                            | BI 231                     |   |
| Computers: App. & Implication                    | CS 161                            | CS 101 or 161              | Complete 1(one) course  |
| Technical Writing                                | WR 227                            | WR 327 (LD)                |   |
| Public Speaking<br>Argument & Critical Discourse | COMM 111 or 111H<br>COMM 112      | COMM 111<br>COMM 114       |   |
| Ethics   | PHL 102 or 202 or 202H            | PHL 205                    |   |

## Important Notes & Resources

### Important Notes for the College of Engineering and Radiation Health Physics Major:

- Grade requirements: Grade of C or better in all major coursework. See [[College Link](#)] for more information.
- See a sample degree plan by searching "Radiation Health Physics" at [admissions.oregonstate.edu/find-your-major](https://admissions.oregonstate.edu/find-your-major)
- Other similar majors to explore: Mechanical Engineering
- Radiation Health Physics students the best time to transfer is **Fall** term one year after starting at community college, particularly due [[insert reason why](#)]. Talk with an OSU advisor about your specific timeline.

### 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, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See admissions info: [transfer.oregonstate.edu](https://transfer.oregonstate.edu)
- 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)

## General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of Oregon Coast courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-portland-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-portland-community-college)

|                            |  |  |
|----------------------------|--|--|
| <b>SKILLS COURSES</b>      | Math<br>Writing I<br>Writing II<br>Speech (Writing III)<br>Fitness (HHS 231, HHS 241)  | Completed as part of the major<br>WR 121 or 121H. Required to transfer.<br>Completed as part of the major<br>Completed as part of the major<br>HE 295 and PE 295   |
| <b>PERSPECTIVE COURSES</b> | Biological Science<br>Physical Science<br>Additional Biological or Physical Science<br>Cultural Diversity<br>Literature and the Arts<br>Social Processes and Institutions<br>Western Culture | Completed as part of major<br>Completed as part of major<br>Completed as part of major<br>Choose one course from BaccCore link above<br>Choose one course from BaccCore link above<br>Choose one course from BaccCore link above<br>Completed as part of major |
| <b>DPD COURSE</b>          | Difference, Power, & Discrimination  | Choose one course from BaccCore link above   |
| <b>SYNTHESIS COURSES</b>   | Contemporary Global Issues<br>Science, Technology, & Society   | Upper division course, take through OSU<br>Upper division course, take through OSU   |

## Advising Contacts

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.** It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. See [visitosu.oregonstate.edu/visit-campus](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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| <b>Oregon Coast Community College</b>         | <a href="https://oregoncoastcc.edu/advising/">oregoncoastcc.edu/advising/</a>             |
| <b>OSU Radiation Health Physics</b>           | Joan Stueve: <a href="mailto:joan.stueve@oregonstate.edu">joan.stueve@oregonstate.edu</a> |
| <b>OSU College of Engineering Main Office</b> | <a href="mailto:askengineering@oregonstate.edu">askengineering@oregonstate.edu</a>        |