

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered Through:

Southwestern Oregon Community College

CORVALLIS

Radiation Health Physics

What is Radiation Health Physics?

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.

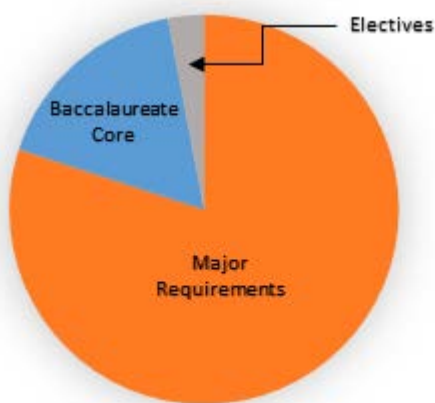
<https://ne.oregonstate.edu/about-nse>

Careers in Radiation Health Physics

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 credits must be upper division (300 and 400-level courses).
- A maximum of 124 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.
- OSU Catalog has a list of courses required for your major: catalog.oregonstate.edu

Courses for this Major offered at Southwestern Oregon Community College

Requirement	SWOCC Course	OSU Course
Intro to Nuclear Engineering	ENGR 111, 112	NSE 114, 115
General Chemistry	CH 221, 222, 223	CH 231/261, 232/262, 233/263
General Physics with Calculus	PH 211, 212, 213	PH 211, 212, 213
Biology	BI 211, 212, 213	BI 211, 212, 213
Human Anatomy & Physiology	BI 231	BI 231
Computer Science	CS 161	CS 101, CS 161
Differential Calculus	MTH 251	MTH 251
Integral Calculus	MTH 252	MTH 252
Vector Calculus	MTH 254	MTH 254
Statistics	MTH 243	ST 201, ST 202
Ethics	PHL 102	PHL 205



Oregon State
University

Important Notes & Resources

Important Notes for the College and Major:

- For more information on the Radiation Health Physics program and degree requirements, please visit <https://ne.oregonstate.edu/>
- Grade requirements: major coursework requires a C or better, some Baccalaureate Core classes will be considered passing with a D- or better
- See a sample degree plan at <https://ne.oregonstate.edu/current-students>
- Other similar majors to explore: Mechanical Engineering
- The best time to transfer is fall term after one year of community college courses. Talk with an OSU advisor about your specific timeline.

Resources and OSU Information:

- Preparing to apply to OSU? See admissions info: oregonstate.edu/admissions/transfer.html
- Want to take classes at OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Schedule a visit to OSU for a tour and to meet with an advisor, visitosu.oregonstate.edu/visit-campus

General Education Courses (called Baccalaureate Courses)

- Complete one course in each Perspectives category with no more than two in the same department.
- For full listing of courses that fulfill Baccalaureate Core, please refer to admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-southwestern-oregon-community-college

SKILL COURSES	Math Writing I Writing II Speech (Writing III) Fitness	Completed as part of major. WR 121. Required to transfer. WR 227 SP 111 HPE 295
PERSPECTIVE COURSES	Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture	Many options, see BaccCore link above. Completed as part of major. Many options, see BaccCore link above. Many options, see BaccCore link above. Many options, see BaccCore link above. Many options, see BaccCore link above.
DPD COURSES	Difference, Power, and Discrimination	Many options, see BaccCore link above.
SYNTHESIS COURSES	Contemporary Global Issues Science, Technology, and Society	Upper division course, take through OSU. 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 advisor early on and often to ensure correct course selection and sequencing. See visitosu.oregonstate.edu/visit-campus to schedule your personalized visit.

SWOCC Advisor	
OSU RHP Advisor	Joan.Stueve@oregonstate.edu
OSU College of Engineering Main Office	askengineering@oregonstate.edu