

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered Through:

Portland Community College

CORVALLIS

Nuclear Engineering

School of Nuclear Science and Engineering (NSE) today boasts a global influence and is one of the top programs in the United States. We are known for our progressive research, large-scale test facilities, and industry and governmental partnerships.

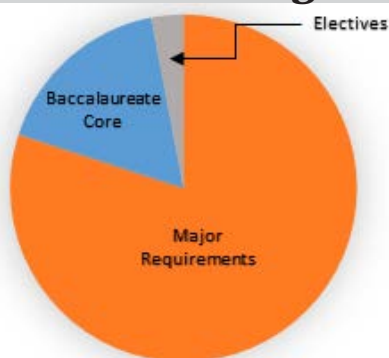
Nuclear engineers apply scientific principles to the research, design and operation of a wide variety of nuclear technology applications including power generation, medicine and radioactive waste management. <http://ne.oregonstate.edu/about-nse>

Careers in Nuclear Engineering

Nuclear Engineering graduates are highly employable and have found work in a variety of employment sectors, including:

- Nuclear Power Plants
- Naval Shipyards
- Government agencies (federal, state, local)
- Consulting Firms
- National Labs
- Manufacturing

Bachelor of Science 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 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 and option: catalog.oregonstate.edu

Courses for this Major offered at Portland Community College

Requirement	Portland CC Course	OSU Course	Notes
Intro to Nuclear Engineering	ENGR 111, 114	NSE 114, 115	
Chemistry for Engineering Majors	CH 221, 222	CH 201,202	
General Physics with Calculus	PH 211, 212, 213	PH 211, 212, 213	
Statics	ENGR 211	ENGR 211	
Dynamics	ENGR 212	ENGR 212	
Strength of Materials	ENGR 213	ENGR 213	
Differential Calculus	MTH 251	MTH 251	
Integral Calculus	MTH 252	MTH 252	
Vector Calculus	MTH 254	MTH 254	
Applied Differential Equations	MTH 256	MTH 256	
Intro to Matrix Algebra + Intro Series	MTH 261	MTH 264	
Ethics	PHL 202	PHL 205	



Important Notes & Resources

Important Notes for the College and Major:

- For more information on Nuclear Engineering program and degree requirements, please visit <http://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 sample 4 year degree plans at <https://ne.oregonstate.edu/current-students>
- Similar majors to explore: Mechanical Engineering
- Nuclear Engineering students, the best time to transfer is fall term one year after community college courses. Talk with an OSU advisor about your specific timeline.

Resources and OSU Information:

- Applying to OSU? See admissions info: oregonstate.edu/admissions/transfer.html
- Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Visit OSU; schedule your visit at 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-portland-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 COMM 111 or COMM 112 HE 295
PERSPECTIVE COURSES	Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture	Completed as part of major. Completed as part of major. 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

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 visiting OSU to take a campus tour and meet with an advisor. See visitosu.oregonstate.edu/visit-campus to schedule your personalized visit.

Portland Community College Contact	
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OSU College of Engineering Main Office	askengineering@oregonstate.edu