

PHYSICS - TRANSFER MAJOR

Faculty Adviser

David Faust: 503-491-7358 | Room AC2563 | David.Faust@mhcc.edu

Physics is the study of the structure and organization of the universe. It encompasses the observation of forces and matter, of motion, of cause and effect, and of the intrinsic properties of space and time. Physics analyzes these concepts in detail and uses them to synthesize models of complex phenomena.

Transfer Outcomes

The primary objective of MHCC's transfer programs is to fulfill general education requirements and prepare students for transferring to bachelor's degree programs. MHCC identifies the following core institutional outcomes as program outcomes for its transfer programs:

- Communication
- Cultural competence
- Quantitative reasoning and analysis
- Information literacy
- Critical thinking and problem solving
- Skills to promote personal wellness
- Civic and social responsibility

Students interested in pursuing the Physics major can complete the following courses toward the Science requirement and/or electives on the AS (<https://catalog.mhcc.edu/degree-certificate-requirements/as/>) (recommended), AAOT, ASOT-B, AGS or ASLA degrees. Students are highly encouraged to work with a university transfer adviser to choose the right courses.

Code	Title	Credits
PH211	General Physics with Calculus I	5
PH212	General Physics with Calculus II	5
PH213	General Physics with Calculus III	5

Suggested electives include:

Code	Title	Credits
PH109C	Observational Astronomy	3
PH121	General Astronomy	3
PH122	General Astronomy	3
PH123	General Astronomy	3
MTH261	Linear Algebra	4
STAT243Z	Elementary Statistics I ★	4
STAT244	Elementary Statistics II	4

Transfer Schools

- Eastern Oregon University (<https://www.eou.edu/cstmhs/>)
- Oregon State University (<http://www.physics.oregonstate.edu/>)
- Portland State University (<https://www.pdx.edu/physics/>)
- University of Oregon (<http://physics.uoregon.edu/>)