



Physics

Associate of Science –
Transfer (Track II)

Transfer to UW, SU, CWU – with
MATH& 151 Placement

Program Description

Physics encompasses the study of the universe from the largest galaxies to the smallest subatomic particles. The goal of physics is to understand how and why things work from first principles. Applications range from quantum computers to new radiotherapies for curing cancer to sustainable energy sources. Physics is great preparation for almost any career because it teaches us how to analyze complex problems and equips us with strong quantitative reasoning skills that can be applied to any scientific or technical field. This is typically achieved through active learning in lecture- or discussion-based teaching combined with hands on laboratory experience. The broad range of outcomes satisfies requirements for various majors in STEM, as well as developing or improving scientific literacy applicable to many industrial settings. [Learn More](#)

Key Advisors

Aleya Dhanji, adhanji@highline.edu
Igor Glozman, iglozman@highline.edu

Request a [faculty advisor](#).

Program Map

The following program map contains recommended courses to complete your degree. It does not replace meeting with an advisor. Please meet with an advisor to discuss your goals and plans.

First block

Courses: 15 credits	Credits	Complete?
ENGL& 101 – English Composition 1	5	
MATH& 151 – Calculus I	5	
Choose from Social Sciences Distribution, OR CHEM& 139 – General Chemistry Preparation (<i>if needed</i>)	5	

Action items/milestones

- Meet with Pathway Advisor to confirm your Program of Study and Academic Plan

Second block

Courses: 15 credits	Credits	Complete?
CHEM& 161 – General Chemistry I w/Lab	5	
MATH& 152 – Calculus II	5	
Choose from Social Sciences or Humanities Distributions	5	

Action items/milestones

- Meet with Faculty Advisor prior to completion of 30 credits

Third block

Courses: 15 credits	Credits	Complete?
CHEM& 162 – General Chemistry w/Lab II	5	
MATH& 163 – Calculus III	5	
Choose from Humanities Distribution, OR PHYS 139 – General Physics Preparation (<i>if needed</i>)	5	

Fourth block

Courses: 15 credits	Credits	Complete?
PHYS 201 - Mechanics	5	
MATH& 264 – Calculus IV	5	
CSCI 132 – Python 1	5	

Fifth block

Courses: 15 credits	Credits	Complete?
PHYS 202 - Electricity and Magnetism	5	
MATH 220 – Linear Algebra	5	
CS& 141 – Computer Science I Java	5	

Action items/milestones

- Meet with Faculty Advisor at or prior to completion of 75 credits

Sixth block

Courses: 15 credits	Credits	Complete?
PHYS 203 - Waves, Thermodynamics & Modern Topics	5	
MATH 230 – Differential Equations, OR Elective (with advisor approval), OR Choose a course from the Humanities or Social Sciences Distribution (<i>if still needed</i>)	5	
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Action items/milestones

- Apply for graduation and register for commencement