



Associate of Science - Physics

Transfer Pathway 2025-26 Catalog Year

This guide is subject to change and should be used in consultation with an academic advisor.

First Year

Fall Semester

ENGL 1010: Introduction to College Writing (WC)	3
MATH 1210: Calculus I (QL)	4
CHEM 1210: General Chemistry I	4
CHEM 1215: General Chemistry Lab	1
PHYS 1090: Pathways to Physics	1
PHYS 1100: Introductory Mathematics for Physics & Engineering	3
Total	16

Spring Semester

ENGL 2100: Technical Writing (WC)	3
MATH 1220: Calculus II	4
PHYS 2210: Physics for Science & Engineering I	4
PHYS 2215: Physics for Sci & Eng I Lab	1
Life Science (LS)	3
Social Science (SS)	3
Total	18

Second Year

Fall Semester

MATH 2210: Multivariable Calculus	3
PHYS 2220: Physics for Science & Engineering II	4
PHYS 2225: Physics for Sci & Eng II Lab	1
CHEM 1220: General Chemistry II	4
CHEM 1225: General Chemistry II Lab	1
PHYS 2500: Introduction to Computer Methods in Physics	3
Total	16

Spring Semester

MATH 2250: Differential Eq/ Linear Algebra	4
PHYS 2710: Intro Modern Physics for Scientists and Engineers	3
American Institutions (AI)	3
Humanities (HU)	3
Arts (AR)	3
Total	16

*Indicates course specific to Westminster University transfer

Bachelor of Science - Physics

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Third Year

Fall Semester

PHYS 325: Astrophysics or PHYS 305: Optics	4
World Language I	4
Physics or Exploration Elective	4
Exploration Elective	2
Total	14

Spring Semester

PHYS 411: Thermodynamics and Statistical Methods	4
World Language II	4
PHYS 425: Quantum Physics	4
PHYS 309: Math Methods for Physics	4
Total	16

Fourth Year

Fall Semester

PHYS 311: Analytical Mechanics	4
Engaging the World	4
Exploration Elective	3
Exploration Elective	3
Total	14

Spring Semester

WCSAM 400: Science Capstone	2
PHYS 431: Electrodynamics	4
Upper Division Exploration Elective	4
Physics or Exploration Elective	4
Total	14