



Associate Degree for TransferSM

PHYSICS FOR TRANSFER 2.0 (AS-T)



In support of the established SB 1440, the Student Transfer Achievement Reform (STAR) Act, and the college's mission, vision and values, Grossmont College has created the Associate in Science in Physics for Transfer 2.0 degree. Students earning this Associate Degree for Transfer (ADT) will have fulfilled the lower-division major preparation requirements for a degree considered similar at a participating California State University (CSU) campus.

The Associate of Science in Physics 2.0 for Transfer Degree Program offers a secure foundation for further study in physics or engineering. The primary emphasis of the program is to prepare students for transfer to four-year institutions as science or engineering majors. Students are asked to consult the catalog of the transfer institution for specific requirements.

The following is required for an Associate Degree for Transfer:

1. A minimum of 60 (and up to 66) CSU-transferable semester units, as permitted for high-unit STEM majors under Education Code §66749.81.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
3. Minimum of 18 semester or 27 quarter units in the major.
4. A grade of "C" or higher or "Pass" in all courses required for the major.
5. Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern; see Degree Requirements and Transfer Information section for more information.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Students will apply the fundamental principles of physics to real world or idealized situations.

Associate in Science for Transfer Degree Requirements

Code	Title	Units
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
MATH-C2210	Calculus I: Early Transcendentals	5
MATH-C2220	Calculus II: Early Transcendentals	4
MATH-281	Multivariable Calculus	4

MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
CSIS-250	Introduction to Python Programming	4
or CSIS-293	Introduction to Java Programming	
or CSIS-296	Introduction to C++ Programming	
Units in the major		38
Plus General Education Requirements (Cal-GETC) (https://catalog.gcccd.edu/cuyamaca/degree-requirements-transfer-information/)		
Total Units		65

Complete transferable units as needed to reach 60.

Additional Information:

SDSU accepts AS-T degrees in Physics for General Physics and Modern Optics B.S. emphases only. The major requires a minimum 2.00 Cumulative G.P.A. Check with a Counselor for applicability to other CSU's.

Students applying with the AS-T in Physics will receive priority in the admissions process but are not guaranteed admittance into the CSU of their choice. Admission is highly competitive for most CSU's. Students are strongly advised to go above and beyond minimum G.P.A requirements and apply for admission at multiple campuses.

*Every effort has been made to ensure this information is accurate. However, the official document the San Diego State Catalog. For additional information specific to SDSU visit the following SDSU website: <https://admissions.sdsu.edu/transfers>.