

DEGREE/CERTIFICATE OPTIONS

MAJOR CODE

Associate in Science Degree: Transfer Preparation

Physics	01680
Physics (SB 1440)	01685

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

Web sites for physics majors:

SDSU	http://physics.sdsu.edu/
UCSD	http://physics.ucsd.edu/
CSU, San Marcos	http://physics.csusm.edu/
Articulation	http://assist.org

ASSOCIATE IN SCIENCE DEGREE

⚠ PHYSICS

TRANSFER PREPARATION* (MAJOR CODE: 01680)

Physicists are engaged in applying the fundamental principles of science to problems ranging from understanding life processes to exploring the universe. Specializations include mechanics, heat, optics, acoustics, electrodynamics, astrophysics, atomic physics, biophysics, and geophysics.

Program Student Learning Outcome Statement:

- Develop mathematical skills, acquire physics knowledge, and practice applying these skills and knowledge in physical situations.

FIRST SEMESTER

CHEM 200	General Chemistry I	5
MATH 250	Analytic Geometry and Calculus I	5

SECOND SEMESTER

MATH 251	Analytic Geometry and Calculus II	4
PHYS 270	Principles of Physics I	3
PHYS 271	Principles of Physics Laboratory I	1

THIRD SEMESTER

MATH 252	Analytic Geometry and Calculus III	4
PHYS 272	Principles of Physics II	3
PHYS 273	Principles of Physics II	1

FOURTH SEMESTER

PHYS 274	Principles of Physics III	3
PHYS 275	Principles of Physics III	1
Total units		30

To earn an associate degree, additional general education and graduation requirements must be completed. See page 59.

- * Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center. See catalog TRANSFER COURSES INFORMATION section on page 43 for further information.

⚠ PHYSICS

STUDENT TRANSFER ACHIEVEMENT REFORM (STAR) ACT (SB1440)



**Associate Degree
for Transfer**
A Degree with a Guarantee.™

TRANSFER PREPARATION * (MAJOR CODE: 01685)

Physicists are engaged in applying the fundamental principles of science to problems ranging from understanding life processes to exploring the universe. Specializations include mechanics, heat, optics, acoustics, electrodynamics, astrophysics, atomic physics, biophysics, and geophysics.

Program Student Learning Outcome Statement:

- Develop mathematical skills, acquire physics knowledge, and practice applying these skills and knowledge in physical situations.

Required Core:

PHYS 270	Principles of Physics I	3
PHYS 271	Principles of Physics Laboratory I	1
PHYS 272	Principles of Physics II	3
PHYS 273	Principles of Physics Laboratory II	1
PHYS 274	Principles of Physics III	3
PHYS 275	Principles of Physics Laboratory III	1
MATH 250	Analytic Geometry and Calculus I	5
MATH 251	Analytic Geometry and Calculus II	4
MATH 252	Analytic Geometry and Calculus III	4

Total units **25**

- * Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center. See catalog TRANSFER COURSES INFORMATION section on page 43 for further information.