PHYSICS

Associate in Science
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

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

First Semester		Units
CHEM 200	GENERAL CHEMISTRY I [1]	5
MATH 250	ANALYTIC GEOMETRY AND CALCULUS I	5
	Units	**10**
Second Semester		
MATH 251	ANALYTIC GEOMETRY AND CALCULUS II	4
PHYS 270	PRINCIPLES OF PHYSICS I	4
	Units	**8**
Third Semester		
MATH 252	ANALYTIC GEOMETRY AND CALCULUS III	4
PHYS 271	PRINCIPLES OF PHYSICS LABORATORY I	1
PHYS 272	PRINCIPLES OF PHYSICS II	4
PHYS 273	PRINCIPLES OF PHYSICS LABORATORY II	1
	Units	**10**
Fourth Semester		
PHYS 274	PRINCIPLES OF PHYSICS III	4
PHYS 275	Principles of Physics Laboratory III	1
	Units	**5**
	Total Units	**33**

[1] CHEM 170 is a prerequisite to CHEM 200

* 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 Career and Transfer Connections. See catalog Transfer Courses Information (http://catalog.swccd.edu/student-success-support-program/student-services-and-college-services/other-services/transfer-courses/) section for further information.

To earn an associate degree, additional general education and graduation requirements (http://catalog.swccd.edu/certificates-certifications-degrees-csuuc-requirements/) must be completed.