

Physics

Associate in Science Degree (A.S.) with Guided Career Path for Physics

At a Glance

This path is for student pursuing a four-year degree in Physics. Physics students study the basic laws of mechanics, heat and thermodynamics, electricity and magnetism, optics, relativity, quantum mechanics, and elementary particles.

The Statewide Articulation Reporting System (STARS) will provide very specific transfer information to specific majors at each state-funded four-year institution. Once a student chooses a major and a place of transfer, an individualized guide and contract can be created. The STARS website can be accessed from the CACC homepage at www.cacc.edu. You may also access STARS from the CACC Admissions Office. CACC also has designated Transfer Advisors.

NOTE: *The sample Guided Curricular Path below contains all the elements required for degree/certificate completion. However, courses may be offered or taken in other semesters so long as prerequisites are met and courses are available. Additional options may also be available. Courses may be available days, nights, hybrid, and online. Sample paths for part-time attendance may also be available. Please see an advisor. *Students must check with the Senior Institution to determine which courses are required.*

First Semester

ORI 105	Orientation & Student Success	3
ENG 101	English Composition I	3
MTH 125	Calculus 1	4
CIS 146	Microcomputer Applications	3
<u>CHM 111</u>	<u>College Chemistry I</u>	<u>4</u>
	Total Semester Credit Hours	17

Second Semester

ENG 102	English Composition II	3
MTH 126	Calculus II	4
SPH 106	Fundamentals of Oral Communication	3
<u>HIS 201</u>	<u>United States History I</u>	<u>3</u>
	Total Semester Credit Hours	13

Third Semester

HIS 202	United States History II	3
ENG 261	English Literature I	3
MTH 227	Calculus III	4
MTH 238	Applied Differential Equations I	3
<u>PHY 213</u>	<u>General Physics w/Calculus I</u>	<u>4</u>

Total Semester Credit Hours 17

Fourth Semester

MUS 101	Music Appreciation	3
PSY 200	General Psychology	3
PHY 214	General Physics w/Calculus II	4
PHL 206	Ethics & Society	3
<u>SOC 200</u>	<u>Introduction to Sociology</u>	<u>3</u>
	Total Semester Credit Hours	16

TOTAL CREDIT HOURS 63