

# PHYSICS STUDIES - CSCU TRANSFER DEGREE, AA

Unrestricted Elective <sup>2</sup>	3
<b>Total Credits</b>	<b>62-63</b>

<sup>1</sup> Recommended COMM 1301 Public Speaking

<sup>2</sup> If you have not taken Physics in high school, you should use this elective to take PHYS 1100 Introductory Physics

**Program code:** PHYS-AA-TAP

**Location:** Asnuntuck, Capital, Gateway, Housatonic, Manchester, Middlesex, Naugatuck Valley, Northwestern, Norwalk, Quinebaug Valley, Three Rivers, Tunxis

## Program Description

The CSCU Pathway Transfer Degree: Physics Studies, A.A. degree program prepares students primarily for transfer to complete a B.S. degree in physics. Graduates will receive a background in mathematics, science, and general education courses for seamless transfer of all credits and junior status in a B.S. degree at Connecticut State Universities.

## Learning Outcomes

Students completing this degree will be prepared to transfer to the CSUs as an incoming Junior, and will be able to:

1. Communicate using terminology appropriate to Physics Studies.
2. Understand conceptual, theoretical and experimental methods used in Physics, and their applications to other fields and disciplines.
3. Develop critical thinking, and analytical and computational problem-solving skills.
4. Recognize the broader impact of Physics in Society.

With this degree you will be able to transfer to the following majors.

Central Connecticut State University: *Physics, B.S.*

Southern Connecticut State University: *Physics, B.S. or Physics, B.A.*

## Degree Requirements

Code	Title	Credits
<b>Framework Courses</b>		
ENG 1010	Composition	3
MATH 2600	Calculus I	4
Elective ARHX - Arts & Humanities Course		3-4
CHEM 1210	General Chemistry I	4
Elective SBSX - Social / Behavioral Science Course		3
ENG 1020	Composition II and Literature	3
CHEM 1220	General Chemistry II	4
Elective HISX - Historical Knowledge Course		3
Elective ORAX - Oral Communication Course <sup>1</sup>		3
CCS 1001	College and Career Success	3
<b>Pathway Courses</b>		
MATH 2610	Calculus II	4
MATH 2620	Calculus III: Multivariable	4
MATH 2622	Differential Equations	4
PHYS 2201	Calculus-Based Physics I	4
PHYS 2202	Calculus-Based Physics II	4
Elective CRTY - Creativity Course		3
Elective GLKY - Global Knowledge Course		3