

2023-2024 Compton College Catalog Addendum

October 2023

The updates listed below apply to the 2023-2024 Compton College Catalog. This catalog addendum contains revisions to the original catalog.

Summary of Changes

Academic Program Revisions

AS-T in Physics (p. 109-110 of 2023-2024 catalog)

- Revised catalog description.
- Program Requirements:
 - Removed PHYS 150, PHYS 250, PHYS 252 from Program Requirements. Added PHYS 101, PHYS 102, PHYS 103.
 - Total program units increase from 27 units to 30 units.

KEY

Underlined green text = Addition

~~Strikethrough red text~~ = Deletion

Academic Programs

AS-T in Physics

The Physics program provides students with the ability to use and develop problem-solving strategies that apply to physical concepts involving mechanics, thermodynamics, sound, light, electricity and magnetism, and modern physics. Laboratory activities establish a foundation in measurement and analysis techniques necessary to test, understand, and apply physical concepts. Upon completion of the program requirements, students will be prepared to transfer and major in physics. Competency will be assessed by evaluating the student's ability to quantitatively and qualitatively determine the results of physical situations. The Associate of Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete:

1. Completion of 60 semester units that are eligible for transfer to the California State University.
2. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.

3. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
4. Obtainment of a minimum grade-point average of 2.0.
5. A grade of "C" or better in all courses required for the major or area of emphasis.

Note: Students interested in transfer should consult with a Compton College counselor to discuss transfer requirements which vary by institution.

- ~~• Students who have completed the AS-T will have a strong academic foundation in the field and will be prepared for upper-division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out-of-state university should consult with a Compton College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AS-T.~~

Program Learning Outcomes:

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

- Trace the development of a scientific idea from gathering of data through development of a hypothesis to testing a prediction.
- Make scientific measurements and demonstrate the difference between disagreement and error.
- Read a simple graph or diagram and interpret the results appropriately.

Program Requirements for AS-T Degree:

~~PHYS 150 Mechanics of Solids (4)~~

~~PHYS 250 Electricity and Magnetism (4)~~

~~PHYS 252 Optics and Modern Physics (4)~~

PHYS 101 Physics for Engineers and Scientists I (5)

PHYS 102 Physics for Engineers and Scientists II (5)

PHYS 103 Physics for Engineers and Scientists III (5)

MATH 190 Single Variable Calculus and Analytic Geometry I (5)

MATH 191 Single Variable Calculus and Analytic Geometry II (5)

MATH 220 Multi-Variable Calculus (5)

Total Units: ~~27~~ 30