

# PHYSICS - ASSOCIATE IN SCIENCE TRANSFER DEGREE

Plan Code: 5540C

The Physics Associate Degree for Transfer will prepare students for transfer to a University of California (UC) or California State University (CSU) program in Physics while meeting the minimum lower division admission requirements (60 transferable units). Completion of these classes also provides a foundation for programs in Physical Science, Engineering and Math.

## Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Analyze problems and formulate solutions using a combination of graphs, drawings, equations, and conceptual reasoning at the appropriate level.

## Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
<b>REQUIRED CORE COURSES</b>		
MATH 60/60H	First Calculus Course	5
MATH 70/70H	Second Calculus Course	5
MATH 80	Third Calculus Course	5
PHYS 3A	Physics for Sci. & Eng. - Mechanics	5.5
PHYS 3B	Physics for Sci. & Eng. - E & M	4.5
PHYS 3C	Physics for Sci. & Eng. - Modern Physics	4.5
<b>Required Subtotal</b>		<b>29.5</b>
Complete the following: <sup>1</sup>		37
IGETC Pattern (Plan C) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/</a> )		
Transferable Electives (as needed to reach 60 transferable units) <sup>2</sup>		
<b>Degree Total</b>		<b>60</b>

<sup>1</sup> Units for the major may be double-counted for IGETC; see counselor for limitations.

<sup>2</sup> Elective units from course(s) numbered 1-99, if needed, to reach 60 transferable units.

To earn the Physics - Associate in Science Transfer Degree, a student must complete 60-semester units that are eligible for transfer to a CSU that consist of the IGETC pattern and the major requirements. Students must have a minimum GPA of 2.0 in all CSU-transferable coursework to receive an associate degree for transfer and all courses in the major must be completed with a C or better. Students earning an associate degree for transfer will not be required to complete any other local graduation requirements.