

Student Name _____

Student ID _____



Career/Transfer Center
Associate in Science for Transfer Degree
Physics
2021-2022

Students will learn about the major topics in classical physics— mechanics, electricity and magnetism, thermodynamics and wave theory. They will also be introduced to topics in modern physics-- quantum theory, atomic structure and relativity theory. The calculus will be used to solve problems in these areas. This degree is designed for students who wish to transfer to a California State University to complete a bachelor's degree in physics. For a complete listing of CSUs that accept this degree as meeting lower division major preparation, please go to the Counseling Department. In addition to the 30 units required for the major, students must complete 37 units of general education following the IGETC for CSU Plan for a maximum total of 60 units.

Academic Plan Code: V032740H

Degree Requirements: 60 CSU transferable units with a 2.0 GPA. Major courses must be passed with a minimum grade of "C" (or "P"). Completion of CSU GE or IGETC is required. *Complete additional CSU units, if needed, to reach 60 CSU transferable units.*

Required Courses: (30 units)		C	IP	N
PHYSICS 037*	Physics for Engineers and Scientists I (5)			
PHYSICS 038*	Physics for Engineers and Scientists II (5)			
PHYSICS 039*	Physics for Engineers and Scientists III (5)			
MATH 261*	Calculus I (5)			
MATH 262*	Calculus II (5)			
MATH 263*	Calculus III (5)			

**This course has a prerequisite or a corequisite.*

Total units required for major: 30 + Required general education units: 39-41 + Required transferable elective units: 0 = Total transferable units required: 60

General Education: Full completion of GE required*	C	IP	N
<input type="checkbox"/> CSU GE Breadth or <input type="checkbox"/> IGETC Note: In addition to major requirement, students need to select a General Education pattern. Major courses may be double counted towards general education.			

Rev. 01/2022 from 21-22 LAVC Catalog

C=completed IP=in progress N=need

*Follow **CSU General Education Certification (CSUGE)** if you are applying to the CSUs only.

OR

Follow **Intersegmental General Education Transfer Curriculum (IGETC)** if you are applying to UCs and CSUs.

**If you are applying to a private university, make an appointment with a counselor to discuss major/general education courses.

Why get an Associate Degree for Transfer?

This program guarantees that students who earn an AA-T or AS-T degree from a California Community College will be admitted to a California State University campus. The campus you will be admitted to depends on several factors, such as the location of your community college, the program of study that a student intends to follow, and a student's competitiveness for admission. This program also provides students with the necessary preparation to transfer to the CSU system and complete a baccalaureate degree.

Students with an AA-T or AS-T degree receive:

- Admission priority
- Guaranteed admission with junior status to the CSU system
- Complete a baccalaureate degree with only 60 additional semester units (or 90 quarter units) (in a degree program that has been considered similar)

Student Success Checklist

By the end of first semester or completion of <u>15 units</u>	Schedule an appointment with a counselor to create Comprehensive Student Education Plan Confirm your major or Career and Pathway by participating in career exploration activities Complete all units in good standing
By the end of second semester or completion of <u>30 units</u>	Complete transfer-level English and Math Attend college fairs and other transfer events Meet with a counselor to update your Student Education Plan and review progress
By the end of third semester or completion of <u>45 units</u>	Meet with a counselor for graduation/transfer check Apply to transfer to a 4-year university <u>one year</u> in advance Attend transfer workshops, and university representative visits
By the end of fourth semester or completion of <u>60 units</u>	Verify you have met all AD-T requirements Complete Pre-Graduation Evaluation with a counselor Check that you submitted all required documents for the CSU/UC application

[AD-T Frequently Asked Questions \(FAQs\)](#)