



Los Angeles Harbor College
Associate in Science in Physics for Transfer (AS-T) Degree

Student Name _____

Student ID _____

Counselor Signature _____

Date _____

The Associate in Science in Physics for Transfer (AS-T) Degree is intended for students planning to transfer into a Bachelor of Science program in Physics or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes: Upon successful completion of the program, students will be able to:

- accurately and safely use lab equipment
- use data obtained from lab equipment to construct graphs, and judge the accuracy and precision of the results.
- apply basic physics laws such as Newton’s three laws of motion and the three laws of thermodynamics in problem solving.
- use algebra and calculus to set up and then solve equations related to classical physics, electromagnetism and waves, demonstrating logical and critical thinking.

Academic Plan Code: H032810H

Degree Requirements: 60 CSU transferable units with a 2.0 GPA. Major courses must be passed with a grade of “C” or better. Full completion of CSU IGETC or CSU GE is required. *Complete additional CSU units, if needed, to reach 60 CSU transferable units.*

Major Core: Complete (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 265	Calculus with Analytic Geometry I (5)			
MATH 266	Calculus with Analytic Geometry II (5)			
MATH 267	Calculus with Analytic Geometry III (5)			

Total Units for the Major: 30

General Education: Full completion of GE required <input type="checkbox"/> CSU GE Breadth or <input type="checkbox"/> CSU IGETC (Area 1C required, Area 6A LOTE not required) Note: Major courses may be double counted towards general education.			
Completion of 60 CSU transferable units			

Update 03/10/20 AO

C=completed IP=in progress N=need



Associate Degrees for Transfer Frequently Asked Questions

What is an AA-T and AS-T Degree?

AA-T and AS-T are acronyms for Associate in Arts and Associate in Science degrees that are designed specifically for transfer to the **California State University System**. The degrees are the results of Senate Bill 1440, a transfer bill that required the California Community Colleges to offer associate degrees for transfer in many of the most popular majors, and for the CSU to provide priority admission to California Community College students who have earned an AA-T or AS-T degree. These degrees can be completed in 60 transferable semester units (or 90 quarter units) and include coursework in general education, major preparation and electives.

How are the AA-T and AS-T degrees different from the associate degrees that community colleges already offer?

Students completing an AA-T or AS-T degree receive priority admission to the CSU system. Students who have completed an AA-T or AS-T and are admitted to a **CSU major that has been deemed similar** are guaranteed admission at junior standing, and the opportunity to complete a baccalaureate degree with 60 additional semester (or 90 quarter) units. AA-T and AS-T degrees are recognized by both the California Community College and CSU systems as a measure of preparation and readiness for transfer to upper-division course work at the CSU. Students should check with a counselor to see if their major is deemed similar at the CSU campuses they plan to apply to.

What does it mean when you say “a degree with a guarantee”?

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. The program also guarantees a student will enter the CSU system at junior standing, and only need to complete 60 additional semester units (or 90 quarter units) to earn a bachelor’s degree in a CSU program that has been deemed as similar.

What is the benefit of earning an AA-T or AS-T degree?

Besides the benefit of completing community college coursework with an associate degree in hand, 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 and guaranteed admission with junior status to the CSU system, along with the ability to complete a baccalaureate degree with only 60 additional semester units (or 90 quarter units) in a degree program that has been deemed similar.

What are the requirements for earning an AA-T and AS-T degree?

Community college students should work with a counselor to develop an academic plan that includes the specific course requirements for their degree goals. In general, a student will be required to complete 60 transferable semester units (or 90 quarter units), which includes coursework in general education, major preparation and elective courses.

Do students need to apply for CSU certification if they earn an Associate Degree for Transfer?

Students who earn an Associate Degree for Transfer do not need to apply for certification. The degree requires full completion of the CSU GE or CSU IGETC pattern. Completion of IGETC Area 1C Oral Communication is required **ONLY** if you are planning to transfer to a CSU campus. Once the CSU campus receives a student’s final transcript with the AA-T or AS-T degree posted, they will automatically consider GE to be fully completed. CSU campuses will also check for completion of the U.S History Constitution and American Ideals requirement. If the requirement was not completed as part of CSU GE Area D or IGETC Area 4, students will still need to complete the requirement after transfer.

For more information go to www.adegreewithaguarantee.com or www.sb1440.org or www.Assist.org

Adapted from www.adegreewithaguarantee.com

L.A. HARBOR course	C-ID Descriptor #	L.A. HARBOR course	C-ID Descriptor #
PHYSICS 037	PHYS 205	MATH 265	MATH 210
PHYSICS 038	PHYS 210	MATH 266	MATH 220
PHYSICS 039	PHYS 215	Math 267	Math 230