



DIVISION OF MATHEMATICS, SCIENCES, AND ENGINEERING

# PHYSICS FOR TRANSFER

ASSOCIATE IN SCIENCE DEGREE

The Associate in Science in Physics for Transfer (AS-T) Degree is intended to meet the lower division requirements for Physics and Physics Education majors at a CSU campus that offers a Physics baccalaureate degree.

Physics will prepare those students interested in laying a foundation for further study and for a Bachelor's Degree in Physics and Physics Education. Since physics is the most basic of sciences, this degree will also satisfy the lower division requirements for a variety of baccalaureate degrees including Engineering, Chemistry, Mathematics, and Computer Science.

In addition to the courses listed below, the following additional requirements must be met for completion of the Associate in Science in Physics for Transfer Degree:

1. Completion of a minimum of 60 CSU-transferable semester units.
2. Achievement of a minimum GPA of at least 2.0 in all CSU-transferable coursework (some majors may require a higher GPA; students should consult with a counselor for more information).
3. Completion of the 24 semester units in the major with a grade of "C" or better or a "P" if the course is taken on a pass/no pass basis.
4. Certified completion of the California State University General Education-Breadth (CSU GE) pattern; OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

NOTE: Students are advised to check with the Counseling Department or Transfer Center for the courses accepted into the Physics major at the CSU where they seek transfer.

Required Courses		Units	N	IP	C
<b>PHY 211</b>	*Physics for Scientists and Engineers-I	4			
<b>PHY 212</b>	*Physics for Scientists and Engineers-II	4			
<b>PHY 213</b>	*Physics for Scientists and Engineers-III	4			
<b>MATH 190</b>	*Calculus I	4			
Or <b>MATH 190H</b>	*Calculus I Honors				
<b>MATH 191</b>	*Calculus II	4			
<b>MATH 250</b>	*Calculus III	4			
<b>Required Subtotal</b>		<b>24</b>			
<b>CSU GE or IGETC Pattern</b>		Varies			
<b>Transferable Electives</b>		as needed to reach 60 transferable units			
<b>Total units needed for Associate in Science</b>		<b>60</b>			
*Prerequisite/Corequisite					