



# Santiago Canyon College

*What happens here matters.*

**2018-2019 Academic Year**

## Associate of Science for Transfer: Physics (31039)

The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in physics or physics education. Successful completion of the transfer degree in Physics guarantees the student acceptance to the California State University system to pursue a baccalaureate degree in Physics or a related field.

### **Learning Outcome(s)**

Upon successful completion of the major requirements for this degree, students will be able to

- Perform various scientific experiments and analyze data to check agreement with theoretical predictions
- Apply appropriate physical laws and mathematical techniques to analyze various physical situations



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Major Requirements	Units
PHYC 250A: Physics for Scientists and Engineers I	5
PHYC 250B: Physics for Scientists and Engineers II	5
PHYC 250C: Physics for Scientists and Engineers III	5
MATH 180/180H: Single Variable Calculus I	4
MATH 185: Single Variable Calculus II	4
MATH 280: Intermediate Calculus	4
<b>TOTAL</b>	<b>27</b>

It is highly recommended for students to meet with an SCC counselor to discuss other possible courses that are part of major preparation at a local CSU campus. Students are encouraged to take some additional courses that may be articulated major preparation, prior to transfer such as MATH 287, MATH 290, CHEM 200A, and CMPR 120. While these additional courses are not required for this degree, completion of these courses will better prepare students for upper-division Physics courses at a CSU.