

Program:	Physics - Associate in Science for Transfer (AS-T) Degree
Meta-major:	Science, Technology, Engineering, & Math (STEM)



Summer Year 1 (if necessary)	Fall Year 1	Winter Year 1	Spring Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Spring Year 2
MATH 260 PRECALCULUS <i>Prerequisite: MATH 240 or MATH 258 or Placement by multiple measures</i> 5 units	MATH 261 CALCULUS I <i>Prerequisite: MATH 260</i> Also fulfills Area B4: Mathematics/Quantitative Reasoning requirement 5 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	MATH 262 CALCULUS II <i>Prerequisite: MATH 261</i> 5 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	MATH 263 CALCULUS III <i>Prerequisite: MATH 262</i> 5 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	PHYSICS 103 PHYSICS FOR ENGINEERS AND SCIENTISTS III <i>Prerequisite: PHYSICS 102</i> <i>Corequisite: MATH 263</i> 5 units
	*Area B2: Life Science Suggested: BIOLOGY 003 INTRODUCTION TO BIOLOGY 3 - 5 units		PHYSICS 101 PHYSICS FOR ENGINEERS AND SCIENTISTS I <i>Prerequisite: MATH 261</i> <i>Advisory: PHYSICS 011</i> Also fulfills Area B1/B3: Physical Science requirement 5 units		PHYSICS 102 PHYSICS FOR ENGINEERS AND SCIENTISTS II <i>Prerequisite: PHYSICS 101</i> <i>Corequisite: MATH 262</i> 5 units		*Area C2: Humanities Choose any 3 - 5 units
	*Area A1: Oral Communication COMM 101 PUBLIC SPEAKING (<i>Advisory: ENGLISH 101</i>) or COMM 121 INTERPERSONAL COMMUNICATION 3 units	Area A2: Written Communication ENGLISH 101 COLLEGE READING AND COMPOSITION I <i>Prerequisite: ENGLISH 028 or ESL 008 or Placement by multiple measures;</i> <i>Advisory: ENGLISH 108</i> 3 units	*Area A3: Critical Thinking Suggested: ENGLISH 103 COMPOSITION AND CRITICAL THINKING (<i>Prerequisite: ENGLISH 101; Advisory: ENGLISH 108</i>) or PHILOS 005 CRITICAL THINKING AND COMPOSITION (<i>Prerequisite: ENGLISH 101</i>) 3 units	*Area C1: Arts Choose any 3 units	*Area D: Social Sciences #1 Suggested: CS 101 (formerly CO SCI 103) INTRODUCTION TO COMPUTER SCIENCE 3 units	*Area D: Social Sciences #2 Suggested: Group 1 or 2 American Institutions 3 units	
*Area E: Lifelong Learning and Self Development Choose any 3 units total						*Area D: Social Sciences #3 Suggested: Group 1 or 2 American Institutions 3 units	
Semester Units:	14 to 16		16		16		17 to 21

*For the complete list of CSU GE Breadth requirements, see the LACC Catalog, p.76. Area A2: Written Communication (English 101) and Area B4: Mathematics/Quantitative Reasoning should be taken within the first year. All other GE courses can be taken in any semester. If appropriate, English and Math can be taken in the same semester.

Students who feel they need additional support in order to be successful in English and math should see a counselor for information about support courses, tutoring services, and boot camps.

Major Units:	30 (10 units also fulfill GE requirements)
General Education (GE) Units (39 unit minimum):	43 to 47
Total Units (60 unit minimum):	63 to 67