



ENGINEERING

Transfer Major Advisement for Cal Poly Pomona

SAC COURSES	AEROSPACE	CHEMICAL	CIVIL			COMPUTER	ELECTRICAL	ENGINEERING TECHNOLOGY			INDUSTRIAL	MANUFACTURING	MECHANICAL
			GENERAL	ENVIRONMENTAL	GEOSPATIAL			CONSTRUCTION	ELECTRONICS/COMPUTER	GENERAL			
MATHEMATICS 180, CALCULUS	●	●	●	●	●	●	●	6	6	6	●	●	●
MATHEMATICS 185, CALCULUS	●	●	●	●	●	●	●	6	6	6	●	●	●
MATHEMATICS 280, INTERMEDIATE CALCULUS	●	●	●	●	●	●	●				●	●	●
MATHEMATICS 287, LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS	9	9	●	●	●	●	●				●	●	●
MATHEMATICS 290, LINEAR ALGEBRA													
MATHEMATICS 295, BEGINNING DIFFERENTIAL EQUATIONS	9	9											
CHEMISTRY 219, GENERAL CHEMISTRY	●	●	●	●	●	●	●	●	●	●	●	●	●
CHEMISTRY 229, GENERAL CHEMISTRY/QUALITATIVE ANALYSIS		●	7	7	7						7	7	7
CHEMISTRY 239, QUANTITATIVE ANALYSIS													
PHYSICS 217, ENGINEERING PHYSICS I	●	●	●	●	●	●	●				●	●	●
PHYSICS 227, ENGINEERING PHYSICS II	●	●	●	●	●	●	●				●	●	●
PHYSICS 237, ENGINEERING PHYSICS III	●	●	●	●	●	●	●				●	●	●
PHYSICS 279, COLLEGE PHYSICS I								4	4	4			
PHYSICS 289, COLLEGE PHYSICS II								4	4	4			
ENGINEERING 125, ENGINEERING GRAPHICS								●	●	●	●	●	●
ENGINEERING 228, DESCRIPTIVE GEOMETRY													
ENGINEERING 235, STATICS	●	●	●	●	●			●	●	●	●	●	●
ENGINEERING 240, DYNAMICS	●		●	●	●				●	●		●	●
ENGINEERING 250, ELECTRIC CIRCUITS										●			
ENGINEERING 250L, ELECTRIC CIRCUITS LAB										●			
OTHER			1, 2	1, 2	2			6	3, 6	5, 6	8	8	8

● = SAC course meets this requirement.

- 1 Add Engineering 100A or 100B, and Engineering (183 or 191). 100A or 100B is not required for Geospatial option.
- 2 Microcomputer proficiency must be demonstrated by satisfying one of the following: 1) Computer Science 100 at SAC 2) Microcomputer proficiency skills test at Cal Poly Pomona in word, Excel, and Power Point 3) an approved CPP course.
- 3 Add Engineering 281.
- 4 Take Physics (279+289) or (210+211).
- 5 Add Engineering 281.
- 6 Math (140 or 170) and 160 are recommended preparation for two or three quarters of Technical Calculus at Pomona. (Students may instead choose to complete Math 180 and 185 at SAC.)
- 7 Chemistry 229 is not required for transfer students with excess units from course articulation within either the Cal Poly Pomona College of Engineering or College of Science. See SAC counselor for more information.
- 8 Add Economics 120 or 121.
- 9 Take Math 287 or 295.

NOTES:

This Engineering transfer grid compares SAC course offerings in mathematics, science, and engineering with major lower-division engineering requirements for various options at Cal Poly Pomona. Please be aware this information is intended as a guide only. The student should verify all information with the transfer university and www.assist.org.

Consult the current Cal Poly Pomona catalog and a SAC counselor for further information.

The major preparation listed above ONLY includes courses for which articulation exists. This information is based upon university course articulation and catalog information available at the time of publication. It is to be used as a guide for lower division preparation for the major and not as an official document. **It is the student's responsibility to check the current catalog and articulation for any additional course requirements, or for any changes which may occur. Students are advised to consult with a SAC counselor. Additional articulation information can be obtained at www.assist.org. (01/11)**