



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	ENGINEERING TECHNOLOGY			
MATHEMATICS 180, CALCULUS	●	●	●	●	●	●	●				●	●	●
MATHEMATICS 185, CALCULUS	●	●	●	●	●	●	●				●	●	●
MATHEMATICS 280, INTERMEDIATE CALCULUS	●	●	●	●	●	●	●				●	●	●
MATHEMATICS 290, LINEAR ALGEBRA			●	●	●	●	●				●	●	●
MATHEMATICS 295, BEGINNING DIFFERENTIAL EQUATIONS	●	1	●	●	●	●	●				●	●	●
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	●	1	●	●	●			●	●	●	●	●	●
ENGINEERING 240, DYNAMICS	●		●	●	●				●			●	●
ENGINEERING 250, ELECTRIC CIRCUITS										●			
ENGINEERING 250L, ELECTRIC CIRCUITS LAB										●			
OTHER			2	2	2			6	3, 6	5, 6	8	8	8

● = SAC course meets this requirement.

- 1 Take Math 295 or Engineering 235.
- 2 Microcomputer proficiency must be demonstrated by satisfying one of the following: 1) Computer Science 100 at SAC 2) Microcomputer proficiency skills test at CSULB in word, Excel, and Power Point 3) an approved CSULB course.
- 3 Add Engineering 281.
- 4 Take Physics (279+289) or (210+211).
- 5 Add Engineering 281.
- 6 Math 140 and 160 are recommended preparation for Math 131 at Pomona.
- 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.

NOTES:

This Engineering transfer grid compares SAC course offerings in mathematics, science, and engineering with major lower-division engineering requirements for various options at selected universities. 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 farther 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. (01/09)**