

Engineering and Computer Science Community College to Pacific Courses Articulation - last updated August 16, 2017 (SJDC updated 1/3/2020)

Pacific Course	Pacific Course Title	American River College	Cosumnes River College	Las Positas College	Modesto Junior College	Sacramento City College	San Joaquin Delta College	Sierra College	Folsome Lake College	Yuba College
Mathematics										
MATH 037	Intro to Statistics and Probability	STAT 001 or STAT 300 or STAT 301 or STAT 481	STAT 001 or STAT 300	MATH 037 or MATH 040 or MATH 041 or MATH 042 or MATH 042A or MATH 042B or MATH 044	X	STAT 300 or STAT 480	MATH 012	MATH 013	STAT 300	STAT 001
MATH 051	Calculus I	MATH 400	MATH 350 or MATH 400	MATH 001 or MATH 034	MATH 171	MATH 400	MATH 001	MATH 030	MATH 400	MATH 001A
MATH 053	Calculus II	MATH 401	MATH 009B or MATH 351 or MATH 401	MATH 002	MATH 172	MATH 401	MATH 002	MATH 031	MATH 401	MATH 001B
MATH 055	Calculus III	MATH 402	MATH 009C or MATH 402	MATH 003	MATH 173	MATH 402	MATH 003	MATH 032	MATH 402	X
MATH 057	Applied Differential Equations I: ODEs	MATH 420	MATH 420	MATH 005	MATH 174	MATH 420	MATH 004	MATH 033	MATH 420	X
General Science										
BIOL 041	Introduction to Biology	BIOL 016	BIOL 307 or BIOL 310	BIOL 010 or BIOL 031	BIO 111	BIOL 308 & BIOL 309	BIOL 008 or BIOL 010	X	BIOL 307 or BIOL 310	BIOL 010/L
BIOL 051	Principles of Biology	BIOL 410 or BIOL 420	BIOL 410 or BIOL 420	BOTN 001 or ZOO 001	ZOOL 101	BIOL 412 or BIOL 422	BIOL 002 or BIOL 003	BIOL 0002 or BIOL 0003	BIOL 410 or BIOL 420	BIOL 002 or BIOL 003
BIOL 061	Principles of Biology	BIOL 400	BIOL 400	BIOL 001	BIO 101	BIOL 402	BIOL 001	BIOL 0001	BIOL 400	BIOL 001
CHEM 023	Elements of Chemistry	CHEM 305	CHEM 300 or CHEM 305	CHEM 031	X	CHEM 002A or CHEM 305	CHEM 003A	CHEM 002A	CHEM 306	CHEM 002A
CHEM 025	General Chemistry	CHEM 401	CHEM 401	CHEM 001A	CHEM 102	CHEM 401	CHEM 001A & CHEM 001B	CHEM 001B	CHEM 401	CHEM 001B
CHEM 027	General Chemistry	CHEM 400	CHEM 400	CHEM 001B	CHEM 101	CHEM 400		CHEM 001A or CHEM 003A & CHEM 003B	CHEM 400	CHEM 001A
GESC 051	Dynamic Planet	GEOL 300 & GEOL 301	GEOL 300 & GEOL 301	GEOL 001 & GEOL 001L	GEOL 161	GEOL 302	GEOL 005A	GEOLOGY 001/1L	GEOL 300 & GEOL 301	X
PHYS 053	Principles of Physics I	PHYS 410 or PHYS 421	PHYS 411	PHYS 008A	PHYS 101 & PHYS 102	PHYS 410 or PHYS 420	PHYS 004A & PHYS 004B	PHYSICS 004A	PHYS 411	PHYS 004A
PHYS 055	Principles of Physics II	PHYS 431	PHYS 431	PHYS 008B	PHYS 103	PHYS 430	PHYS 004C	PHYSICS 004B	PHYS 421	PHYS 004B
Engineering Science										
CIVL 022	Geomatics	ENGR 310	ENGR 310	X	ENGR 101	ENGR 310	X	ENGN 010	X	ENGR 003
ECPE 041 and ECPE 041L	Circuits and Circuits Lab	ENGR 401	ENGR 400	ENGR 044	ENGR 141	ENGR 400	ENGR 006	ENGIN 017 & ENGIN 017L	X	ENGR 017 & ENGR 071L
ENGR 010	Dean's Seminar	ENGR 300	X	X	X	X	ENGR 001	X	ENGR 300	X
ENGR 019	Computer Applications in Engineering	X	X	ENGR 025	X	X	ENGR 029	X	X	X
ENGR 020	Engineering Mechanics I (Statics)	ENGR 420	ENGR 420	ENGR 035	ENGR 135	ENGR 422	ENGR 008	ENGIN 035	ENGR 420	ENGR 035
ENGR 045	Materials Engineering	ENGR 413	ENGR 412	ENGR 046	ENGR 130	ENGR 412	ENGR 004	ENGIN 045	X	ENGR 045
ENGR 120	Engineering Mechanics II (Dynamics)	ENGR 430	X	X	X	X	X	X	X	X
MECH 015	Mechanical Engineering Graphics	ENGR 312	ENGR 312	ENGR 022	ENGR 127	ENGR 315	ENGR 002	ENGIN 022B or ENGIN 023	ENGR 312	ENGR 004
MECH 100	Machine Design and Analysis I	ENGR 320	X	X	X	X	X	X	X	X
Computer Science										
COMP 047	Discrete Math for Computer Science	CISP 440	CISP 440	COMPSC 219	X	CISP 440	CS 055 or MATH 022	C.S. 026	CISP 440	X
COMP 051	Introduction to Computer Science	CISP 400 or CISP 401	CISP 360 or CISP 400 or CISP 401 or CISP 405 or CISP 409	CS 001 or CS 002 or CS 030 or CS 031	COMPSC 205 or COMPSC 244	CISP 400 or CISP 401	C.S. 026A or C.S. 031 or C.S. 031A or C.S. 026A or C.S. 031A	C.S. 012 or C.S. 046 or C.S. 066 or C.S. 067	CISP 400 or CISP 401	COMSC 009A or COMSC 011
COMP 053	Data Structures	CISP 430	CISP 430	CS 020 or CS 033 or CS 034	COMPSC 261	CISP 430	CSP 026B or CSP 031B	C.S. 013	CISP 430	X
COMP 173	Operating Systems	x	x	x	x	x	CS 032	x	x	x

Note: Listed are a majority of the general Engineering and Computer Science courses students at Pacific usually take, along with the equivalent transferable courses from the various colleges listed above. This is not an agreement, and it is highly recommended that students consult with a Faculty Advisor or Administrator at Pacific's School of Engineering and Computer Science prior to any arrangements. For assistance, please contact Liv Villarreal at 209-946-3064 or email ovillarreal@pacific.edu.