

B. S. DEGREE

SOFTWARE ENGINEERING CAL POLY, SAN LUIS OBISPO

2009-2011

() = Prerequisites c = Concurrent

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fund CSC I CPE 101 (MATH 118 or eqv. ≥C-, Basic Computer Literacy*)	Fund CSC II CPE 102 (CPE 101 ≥ C-, Math 141 ≥ C-, c: CSC 141)	Fund CSC III CPE 103 (CPE 102 ≥C-, CSC 141≥C-)	Intro to Comp. Organ. CSC 225 (CPE 102)	Systems Program CPE 357 (CPE 103 ≥ C-, CSC 225)	Individual Software Des. & Devlp. CPE 305 (CPE 357)	Software Engineering I CPE 308 (CPE 357)	Software Engineering II CPE 309 (CPE 308)	Programming Languages I CPE 430 (CSC 349 & CPE 357)	Software Req. Engr CPE 402 (CPE 305, CPE 309)	Software Construct. CPE 405 (CPE 402)	Software Develop. CPE 406 (CPE 405)
	DiscStruct CSC 141 (MATH 118 and 119 or H.S. eqv. & CPE 101 or eqv.) c: CPE 102				Design & Anal. of Algorithms CSC 349 (CPE 103 ≥ C-& Math 142, STAT 312)	Intro Op Sys CPE 453 (CPE 357, CSC 225)	Pre-approved Category 3 Tech Elective (Sophomore standing)	Professional Responsib. CSC 300 (CPE 357 and junior standing)	TECH ELEC† (4 Units)	Senior Project CSC 491 (CPE 309 & instr. consent)	Senior Project CSC 492 (CSC 491 & instr. consent)
TAKE COURSES IN PREREQUISITE ORDER							User-Cent. Interface CPE 484 (Jr standing + CPE 308)	TECH ELEC† (4 Units)	TECH ELEC† (4 Units)	TECH ELEC† (4 Units)	TECH ELEC † (4 Units)
			General Physics Phys 141• Phys 132• Phys 133•								
Calculus I MATH 141• GEB B1	Calculus II MATH 142 (Math 141 ≥ C- GEB B1)	Calculus III MATH 143 (Math 142)	OR								
			General Chemistry Chem 124• Chem 125• Chem 129•								
Engl. Comp. ENGL 133 or 134 GEB A1	Oral Comm. COMS 101 or 102 GEB A2	General Psy PSY 201 or 202 GEB D4	Calculus IV MATH 241 (MATH 143)	Linear Analysis MATH 244 (MATH 143 or inst. consent)	Stats for Engr. STAT 312 (MATH 142)	Engr. Econ IME 314 (MATH 241)		Literature GEB C1•	*MATH ELEC (4 Units)		BIO 213/ ENGR213 (MATH 142, CHEM 124)**
American Exp. GEB D1		Fine/Perf. Art GEB C3	Technical Writing ENGL 149 (completion of A1 & A2)	Philosophy PHIL 230 or PHIL 231 GEB C2•		Teamwork PSY 350 (PSY 201 or 202) or PSY 351 (PSY 252 or 323)	Comp. Social Inst. GEB D3			Political Economy GEB D2	GEB AREA C4 (300-400) •
								USCP	GWR		

Check for changes to the catalog at <http://www.eadvice.calpoly.edu> COURSES CAN BE TAKEN IN ANY CHOSEN ORDER, AS LONG AS PREREQUISITES ARE MET.

• Check current catalog for pre-requisites

* MATH Elective, select from: MATH 248, 304, 333, 335, 336,451

**Chem 124 prerequisite is waived for SE majors

† Adviser approved technical electives are subject to Computer Science Department guidelines; contact the College of Engineering Advising Center (<http://www.eadvice.calpoly.edu>) for additional information and agreement form. Technical electives **MUST** be approved in advance.