

# B. S. DEGREE

# COMPUTER SCIENCE CAL POLY, SAN LUIS OBISPO

## 2009-2011

() = Prerequisites

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fund. CSC I CSC/CPE 101 (MATH 118 or eqv. ≥C-, Basic Computer Literacy●)	Fund CSC II CSC/CPE 102 (CSC/CPE 101 ≥ C-, Math 141 ≥ C- , CSC 141††)	Fund CSC III CSC/CPE 103 (CSC/CPE 102 ≥ C-, CSC 141 ≥ C-)	Intro to Comp. Organization CSC 225 (CSC 102@)	Systems Programming CSC/ CPE 357 (CSC/ CPE 103 w/ ≥ C- and CPE/EE 229 or CSC 225)	Design & Anal. Alg CSC 349 (CSC/ CPE 103 w/ ≥ C-, MATH 142 & STAT 321)	Software Engineering CSC/ CPE 307 or 308 (CSC/ CPE 103: ≥C-, 357)	Software Engineering CSC/CPE 309 (if CSC/CPE 308 is taken) or TECH ELEC (if CSC/CPE 307 is taken)	Professional Responsibilities CSC/ CPE 300 (CSC/ CPE 357 & Junior Standing)	TECH ELEC ↑ (4 Units)	Senior Project CSC 491 (CSC 309, consent of instructor)	Senior Project CSC 492 (CSC 491, consent of instructor)
	Disc Struct CSC 141 (MATH 118 and 119 or H.S. eqv. & CSC/ CPE 101)		STAT 321 (MATH 142) GEB B6	Computer Architecture CSC/ CPE 315 (CSC/ CPE 103 and CPE/EE 229 or CSC 225)	TECH ELEC ↑ (4 Units)	Intro Op Sys CSC/ CPE 453 (CSC/CPE 357 and CPE/EE 229 or CSC 225)	Programming Languages I CSC/ CPE 430 (CSC 349 & CSC/ CPE 357)	Programming Languages II CSC/ CPE 431 (CSC/ CPE 430)	Theory of Comp I CSC 445 (CSC 141 & CSC/ CPE 430)	TECH ELEC ↑ (4 Units)	TECH ELEC ↑ (4 Units)
<b>TAKE COURSES IN PREREQUISITE ORDER</b>									TECH ELEC † (4units)	TECH ELEC † (4units)	Approved Support Elective (4 Units)
			General Physics Phys 141● Phys 132● Phys 133●			MATH/ STAT ELEC*	MATH/ STAT ELEC*	Approved Support Elective (4 units)			
MATH 141● GEB B1	MATH 142 (Math 141 ≥ C-) GEB B1	Science elective ♦ (Add'l Area B)	<b>OR</b>								
			General Chemistry Chem 124● Chem 125● Chem 129●								
Engl. Comp. ENGL 133 or 134 GEB A1	Oral Comm. COMS 101 or 102 GEB A2	Technical Writing ENGL 149● GEB A3	American Experience GEB D1	Philosophy PHIL 230 or PHIL 231 GEB C2●	Life Sci. ●** BIO 213 and ENGR/ BRAE 213 GEB B2		Literature GEB C1 ●	Comp. Social Inst. GEB D3	Fine/Perf. Art GEB C3	GEB AREA C4 (300-400) ●	Political Economy GEB D2
		Self Devel. GEB D4						USCP		GWR	

Check for catalog changes at: [www.eadvice.calpoly.edu](http://www.eadvice.calpoly.edu)

**COURSES CAN BE TAKEN IN ANY ORDER, AS LONG AS PREREQUISITES ARE MET.**

\* MATH/STAT Elective: Select from: CSC 142; MATH 143, 206, 241, 244, 248, 306, 335, 336, 437, 470; STAT 322

♦ Science Elective: Select from BIO 111,115, 161; BOT 121; CHEM 124; MCRO 221, 224; PHYS 141 (no double counting of units)

† Adviser approved technical electives are subject to Computer Science Department guidelines. Please refer to the College of Engineering Advising Center website: [www.eadvice.calpoly.edu](http://www.eadvice.calpoly.edu).

Technical electives MUST be approved in advance.

†† Concurrent or Co requisite.

● Refer to current catalog for pre-requisites

\*\* Chem 124 pre-requisite is waived for CSC majors

@ CPE 129/169 and CPE 229/269 may be substituted for CSC 225.

Refer to 2009-2011 Catalog for GE&B course selection, multidisciplinary requirement, cultural pluralism, and GWR requirement.