

**B. S. DEGREE**

**COMPUTER SCIENCE  
CAL POLY, SAN LUIS OBISPO**

**2005-2007**

( ) = 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-)	CompDsg& AssemLang CPE/EE 229/269 or CSC x225 (CPE 129/169 w/ ≥C-, CSC 102 @)	Systems Programming CSC/ CPE 357 (CSC/ CPE 103 and CPE/EE 229 or CSC x225)	Intr Op Sys CSC/ CPE 453 (CSC/ CPE 353 or both CSC/ CPE 315 and 357)	Software Engineering CSC/ CPE 307 or 308 (CSC/ CPE 103: ≥C-, 357 or 353***)	Software Engineering CSC/CPE 309 (CSC/CPE 308)	Professional Responsibilities CSC/ CPE 300 (CSC/ CPE 307 or CSC/ CPE 309)	TECH ELEC † (4 Units)	Senior Project CSC 491 (CSC/ CPE 307 or 309, consent of instructor)	Senior Project CSC 492 (CSC 491, consent of instructor)
	DiscStruct CSC 141 (MATH 118 and 119 or H.S. eqv. & CSC/ CPE 101 or eqv. †† CSC/CPE 102)	Digital Design CPE/EE 129/169 (CSC 101)	STAT 321 (MATH 142) GEB B6	Computer Architecture CSC/ CPE 315 (CSC/ CPE 103 and CPE/EE 229 or CSC x225)	Design & Anl Alg CSC 349 (CSC/ CPE 103, MATH 142 & STAT 321)	TECH ELEC † (4 Units)	TECH ELEC † (4 Units)	Theory of Comp I CSC 445 (CSC/ CPE 430)	Programming Languages I CSC/ CPE 430 (CSC 349 & CSC/ CPE 357)	Programming Languages II CSC/ CPE 431 (CSC/ CPE 430)	TECH ELEC † (4 Units)
<b>TAKE COURSES IN PREREQUISITE ORDER</b>									TECH ELEC †	Free Electives (5 Units)	Approved Support Elective (4 Units)
			General Physics Phys 131● Phys 132● Phys 133●			MATH/ STAT ELEC*	MATH/ STAT ELEC*	Approved Support Elective			
MATH 141● GEB B1	MATH 142 (Math 141 ≥ C-) GEB B1		OR								
			General Chemistry Chem 124● Chem 125● Chem 129●								
Engl. Comp. ENGL 133 or 134 GEB A1	Oral Comm. SCOM 101 or 102 GEB A2	Political Economy GEB D2	American Experience GEB D1	Philosophy PHIL 230 or PHIL 231 GEB C2	Life Sci. ** BIO 213 and ENGR/ BRAE 213 GEB B2	Technical Writing ENGL 149● GEB A3	Fine/Perf. Art GEB C3	Comp. Social Inst. GEB D3	Literature GEB C1	GEB AREA C4 (300-400)	Science elective ♦ (Add'l Area B)
		Self Devel. GEB D4							GWR		USCP

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, 151; BOT 121; CHEM 124; MCRO 221, 224; PHYS 131 (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

\*\*\* CSC/CPE 353 is a pre-requisite for CSC/ CPE 308 ONLY.

@ CSC 102 is a prerequisite for CSC x225 ONLY. Please refer to Catalog Changes at <http://www.eadvice.calpoly.edu/dept/csccatalog.php>.