

B. S. DEGREE

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

2007-2009

() = 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-) | Comp Dsg & Assem Lang CPE/EE 229/269 or CSC 225 (CPE 129/169 w/ ≥C-, CSC 102 (@)) | Systems Programming CSC/ CPE 357 (CSC/ CPE 103 w/ ≥ C- and CPE/EE 229 or CSC 225) | Intr Op Sys CSC/ CPE 453 (CSC/ CPE 305 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 (if CSC/CPE 308 is taken) or TECH ELEC (if CSC/CPE 307 is taken) | 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) | |
| | Disc Struct CSC 141 (MATH 118 and 119 or H.S. eqv. & CSC/ CPE 101 or eqv.) | 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 225) | Design & Anl Alg CSC 349 (CSC/ CPE 103 w/ ≥ C-, MATH 142 & STAT 321) | TECH ELEC † (4 Units) | 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) | |
| TAKE COURSES IN PREREQUISITE ORDER | | | | | | | | | 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) | | Science elective ♦ (Add'l Area B) | | |
| 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. 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

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 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.

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 102 is a prerequisite for CSC 225 ONLY. Please refer to Catalog Changes at <http://www.eadvice.calpoly.edu/dept/csccatalog.php>.

Refer to 2007-2009 Catalog for GE&B course selection, multidisciplinary requirement, cultural pluralism, and GWR requirement.