

4 YEAR PLAN FOR 2011-12 COMPUTER SCIENCE MAJORS (BS)

| CR | Fall - Year 1 (16 semester hours) | Pre-Req | Offered | CR | Spring - Year 1 (16 semester hours) | Pre-Req | Offered |
|----|---|----------------------------------|-------------|---|---|-----------|-------------|
| 3 | CS 150 - Intro to Computer Science | n/a | F, S | 4 | CS 160/L - Intro to Software Design and Lab | CS 150 | F, S |
| 3 | COM 101 - Intro to Communication | n/a | F, S, Su | 3 | Behavioral Science course* | n/a | F, S |
| 1 | CUH 100 - The First Year Experience | n/a | F | 3 | Fine Arts course* | n/a | F, S |
| 3 | EN 101 - Intro to Expository Writing | n/a | F, S | 3 | EN 102 - Expository Writing | EN 101 | F, S, Su |
| 3 | MA 103 - College Algebra | MA 098, MA 102 or placement | F, S | 3 | MA 110 - Pre-Calculus | MA 103 | F, S |
| 3 | History - any 100 or 200 level course | n/a | F, S, Su | | | | |
| CR | Fall - Year 2 (17 semester hours) | | | CR | Spring - Year 2 (16 semester hours) | | |
| 4 | CS 250/L - Data Structures and Lab | CS 160/L | F, S | 3 | CS 330 - Computer Architecture | #, CS 250 | S |
| 3 | English Literature - EN 201, 255, or 256 | EN 102 | F, S, Su | 3 | CS 370 - Network Management | #, CS 250 | S |
| 4 | MA 210 - Calculus I | MA 110 | F, S | 3 | MA 308 - Discrete Mathematics | #, MA 110 | S |
| 3 | Religion (Lower Division) - RE 103, 205, or 211 | n/a | F, S, Su | 3 | Philosophy - PH 100, 103, or 105 | n/a | F, S, Su |
| 3 | Social Science course* | n/a | F, S | 4 | Natural science course including lab* | n/a | F, S, Su |
| CR | Fall - Year 3 (16 semester hours) | | | CR | Spring - Year 3 (15 semester hours) | | |
| 3 | CS 320 - Database Systems | #, CS 250 | F | 3 | CS 430 - Software Engineering | #, CS 250 | S |
| 3 | CS 361 - Computer Networks | #, CS 250 | F | 3 | CS 486 - Collaborative Design | #, CS 250 | S |
| 3 | MA 331 - Intro to Probability and Statistics | #, MA 110 | F | 3 | CS Elective* | #, varies | F, S |
| 4 | Natural science course including lab* | n/a | F, S, Su | 3 | Interdisciplinary course* | #, varies | F, S, Su |
| 3 | Religion (Upper Division) - any 300 level RE course | #, RE 100-200 level | F, S, Su | 3 | 300-400 level Elective course outside the major | #, varies | F, S, Su |
| CR | Fall - Year 4 (15 semester hours) | | | CR | Spring - Year 4 (12 semester hours) | | |
| 3 | CS 410 - Operating Systems | #, CS 250 | F | 3 | CS 499 - Directed Senior Research/Study | #, CS 250 | see advisor |
| 3 | CS 496 - Topics Seminar | #, SR or program advisor consent | see advisor | 3 | CS Elective* | #, varies | F, S |
| 3 | CS Elective* | #, varies | F, S | 3 | Global Awareness course* | #, varies | F, S, Su |
| 3 | 300-400 level Elective course outside the major | #, varies | F, S, Su | 3 | 300-400 level Elective course outside the major | #, varies | F, S, Su |
| 3 | BU 362 - Legal & Ethical Issues in Business | # | F, S | Choose any 3 CS electives: CS 420 - Advanced Database Systems, CS 440 - Data Mining, CS 460 - Advanced Computer Networks, CS 470 - Network Security | | | |

TOTAL SEMESTER HOURS REQUIRED = 120 (students in some majors may exceed 120 in order to meet all requirements) *see back for more details

"SU" courses are not guaranteed to be offered every summer.

For detailed information and course descriptions consult www.chaminade.edu/catalog

Pre-requisite courses require a grade of 'C' or better.

- EN 102 & COM 101 are prerequisite courses for ALL 300-400 level courses.

NOTE: This plan is a guide that is subject to change. See your advisor every semester for updates

4 year plans are for academic planning purposes only and serve as a supplement to (but not a replacement of) the requirements as listed in the Chaminade undergraduate general catalog. Changes may occur in course offerings over time. Individual students may have unique situations that will affect their planning. Students are advised to visit an advisor every semester. The 4 year plans are intended primarily for students who enter Chaminade as first year students. Transfers are advised to visit an academic advisor in their first semester on campus to develop an individualized plan. Specific majors may have unique situations that may alter your planning, as will the addition of an academic minor. Students are advised to visit an advisor with any questions they may have.

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GENERAL EDUCATION REQUIREMENTS DETAILS

BEHAVIORAL SCIENCE (choose any ONE of the following)

AN 200, CJ 201, ENV 100, PSY 101, SO 200 or CLEP II

FINE ARTS (choose any ONE of the following)

AR 101, AR 103, AR 111, AR 201, AR 202, AR 250, AR 255, PAR 100, PAR 101, PAR 102, PAR 201, PAR 204, PAR 205, PAR 208, PAR 210 or CLEP IV

GLOBAL AWARENESS (choose any ONE of the following) **OR Second Semester of a Foreign Language**

AN 340, AN 350, AN 357, AN 360, COM 310, EN 305, EN 422, HI 342, HI 344, HI 442, HI 443, HI 444, HI 450, HI 451, HI 452, HI 453, PH 475, POL 342, POL 344, POL 442, POL 444, POL 451, POL 453, PSY 436, PSY 475, PSY 476, PSY 477, PSY 478, PSY 479, RE 357, RE 359, RE 365, RE 450, RE 460, RE 461, RE 469, RE 471, RE 472, RE 475, RE 476, RE 477, RE 478, SO 331, SO 401

INTERDISCIPLINARY (choose any ONE of the following)

CJ/RE 435, COM/RE 433, EN 307, ENV/RE 431, GE/ID 335, HI/POL 305, HI/RE 322, HI/POL 324, HI/POL 442, HI/POL 444, PH/RE/SO 305, PH/SO 360, PH/RE 425, PH/PSY 471, PH/PSY/RE 475, PSY/RE 476, PSY/RE 477, PSY/RE 478, PH/PSY/RE 463, RE/PH 473, PH/RE/SO 338

MATHEMATICS

Requirement varies based on major. Consult specific program requirements.

NATURAL SCIENCES

TWO courses, including TWO LABS in Biology, Environmental Studies, Chemistry, or Physics or CLEP III and ONE course W/LAB

See below for science courses for non-science majors.

SOCIAL SCIENCE (choose any ONE of the following)

EC 201, GE 102, GE 103, HI 201, HI 202, POL 111, POL 211

UPPER DIVISION ELECTIVES

Any upper division (300 or 400 level) courses taken outside the major for which prerequisites are satisfied

NATURAL SCIENCE COURSES FOR NON-SCIENCE MAJORS

BI 101 & 101L, BI 102 & 102L, BI 103 & 103L, BI 110 & 110L, BI 115 & 115L, BI 130 & 130L, BI 131 & 131L, CH 102 & 102L, CH 107 & 107L, ENV 115 & ENV 115L, ENV 201 & 201L, ENV 202 & 202L, PHY 111 & 111L, PHY 140 & 140L

GRADUATION REQUIREMENTS

- ~ Satisfied all core curriculum requirements including nine credits of upper division course work outside the disciplines required for the declared major and the interdisciplinary course
- ~ Satisfied all requirements for the major discipline
- ~ Completed a minimum of 45 upper division credits
- ~ Achieved a minimum GPA of 2.0 (some majors may require a higher GPA)
- ~ Completed at least 30 semester hour credits in residence, including at least half of the credits in the major discipline
- ~ Completed a minimum of 120 semester hours