

COMPUTER SCIENCE MAJOR

Computer Science Concentration with Cooperative Education

This worksheet is a guide to supplement your degree audit in Degree Works. All students need 32 FSU course-credits to graduate. For students who change majors or enter FSU with transfer credits your degree audit may appear differently, as previous coursework could fulfill Domains and Free Electives. Please see your Advisor and/or The Advising Center with any questions.

DOMAIN GENERAL EDUCATION (11 Courses Required):

The FSU General Education consists of 11 requirements. In the Computer Science major Domain II-A is satisfied through completion of the major (X). Two (2) additional subdomains are met by specific courses in the major (see below), leaving **eight (8) courses to be completed** to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog (p. 281) for full information.

Common Core

- _____ A. ENWR 110 Composition II
 _____ B. MATH/STAT XXX (credit-bearing): MATH 206*

Domain I

- _____ A. Creative Arts: _____
 _____ B. Humanities: _____
 _____ C. Language: _____

Domain II

- _____ X _____ A. Analysis, Modeling, Problem-Solving
 _____ B. Natural Sciences (2): Non-Lab Science: _____
 _____ Lab Science: Science Requirement*

Domain III

- _____ A. Perspectives on the Past: _____
 _____ B. Perspectives on Contemporary World: _____
 _____ C. Global Competency, Ethical Reasoning,
 and/or Human Diversity: _____

X = Fulfilled through completion of major

* = Required course in the major

MAJOR COURSES (22 courses, 25.5 course-credits):

Required Core Courses (8 courses, 7.5 course-credits):

| | | |
|-------|----------|---|
| _____ | CSCI 120 | Introduction to Information Technology |
| _____ | CSCI 130 | Computer Science I Using Java |
| _____ | CSCI 200 | Computer Science Professional Exploration Seminar (0.5 credits) |
| _____ | CSCI 215 | Computer Science II Using Java |
| _____ | CSCI 258 | Introduction to Operating Systems Using UNIX |
| _____ | CSCI 360 | Database Management |
| _____ | MATH 206 | Discrete Mathematics I (CC-B) ** |
| _____ | STAT 157 | Probability and Statistics |

** *Fulfills a General Education requirement.*

Computer Science Concentration with Cooperative Experience (14 courses, 18 course-credits):

Required Concentration Courses (10 courses, 14 course-credits):

| | | |
|-------|----------|--|
| _____ | CSCI 271 | Data Structures |
| _____ | CSCI 310 | Computer Science Cooperative Experience I (3 course-credits) |
| _____ | CSCI 317 | Discrete Structures * |
| _____ | CSCI 347 | Analysis of Algorithms |
| _____ | CSCI 352 | Comp. Architecture & Assembly Language |
| _____ | CSCI 362 | Software Engineering |
| _____ | CSCI 410 | Computer Science Cooperative Education II (3 course-credits) |
| _____ | CSCI 460 | Theory of Computing |
| _____ | CSCI 465 | Operating Systems Internals |
| _____ | CSCI 477 | Computer Networking |

**MATH 330 Discrete Mathematics II may be substituted for CSCI 317 Discrete Structures*

Computer Science Electives (choose 3 from the list below):

| | | |
|-------|----------|---------------------------------------|
| _____ | CSCI 300 | Artificial Intelligence |
| _____ | CSCI 308 | Python Programming |
| _____ | CSCI 320 | Windows Server & Client Management |
| _____ | CSCI 333 | Object-Oriented Programming Using C++ |
| _____ | CSCI 340 | UNIX System Administration |
| _____ | CSCI 345 | Computer & Network Security |
| _____ | CSCI 373 | Advanced Web Technologies |
| _____ | CSCI 400 | Special Topics in Computer Science |
| _____ | CSCI 490 | Independent Study in Computer Science |
| _____ | CSCI 495 | Internship in Computer Science |

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Science Laboratory Course (choose 1 from the list below):

Any of the courses below will satisfy Gen. Ed. Domain II-B/Lab

| | | |
|-------|---------------|---|
| _____ | BIOL 130/130L | Principles of Biology with Lab |
| _____ | CHEM 107/107L | Principles of Chemistry with Lab |
| _____ | GEOL 108/108L | Physical Geology with Lab |
| _____ | PHYS 201/201L | Physics for Earth and Life Scientist with Lab |
| _____ | PHYS 211/211L | Principles of Physics I with Lab |

FREE ELECTIVES (0):

No free electives available.