

COMPUTER SCIENCE, CERTIFICATE

Requirements

| Code | Title | Hours |
|--|--------------------------------|-----------|
| Upper Division Requirements | | |
| CSC 311 | Data Structures | 3 |
| CSC 321 | Programming Languages | 3 |
| CSC 331 | Computer Organization | 3 |
| Electives | | |
| Select three courses from the following: | | 9 |
| CSC 337 | Microcomputers | |
| CSC 341 | Operating Systems | |
| CSC 353 | File Processing | |
| CSC 361 | Systems Programming | |
| CSC 395 | Sel Topics in Computer Science | |
| CSC 401 | Analysis Of Algorithms | |
| CSC 411 | Artificial Intelligence | |
| CSC 421 | Advanced Programming Languages | |
| CSC 431 | Advanced Computer Organization | |
| CSC 441 | Advanced Operating Systems | |
| CSC 451 | Computer Networks | |
| CSC 453 | Data Management | |
| CSC 455 | WWW Design and Management | |
| CSC 459 | Security Engineering | |
| CSC 461 | Computer Graphics I | |
| CSC 463 | Computer Graphics II | |
| CSC 471 | Compiler Construction I | |
| CSC 490 | Senior Seminar | |
| CSC 492 | Senior Design | |
| CSC 495 | Selected Topics: | |
| MAT 361 | Finite Automata | |
| MAT 367 | Numerical Analysis I | |
| MAT 369 | Numerical Analysis II | |
| Total Hours | | 18 |

Notes:

1. Adequate preparation in terms of the completion of all lower division courses which are prerequisites of courses for this certificate is necessary.
2. At least four of the six upper division courses must be taken at CSU Dominguez Hills.
3. None of the upper division courses may be taken as credit/no credit.
4. A minimum grade point average of 2.0 is required for all units taken for the certificate.