

Information and Computer Science, Minor

Students outside the School may also pursue a minor in Information and Computer Science. The minor provides a focused study of Information and Computer Science to supplement a student's major program of study and prepares students for a profession, career, or academic pursuit in which computer science is an integral part but is not the primary focus. The ICS minor contributes to students' competence in computing technology and proficiency in programming as well as exposing them to the fundamentals of computer science. The minor allows students sufficient flexibility to pursue courses that complement their major field or address specific interests.

| | |
|---|---|
| A. Complete: | |
| I&C SCI 31- 32 | Introduction to Programming and Programming with Software Libraries |
| or I&C SCI H32 | Python Programming and Libraries (Accelerated) |
| B. Complete: | |
| I&C SCI 6D | Discrete Mathematics for Computer Science |
| I&C SCI 33 | Intermediate Programming |
| I&C SCI 45C | Programming in C/C++ as a Second Language |
| I&C SCI 46 | Data Structure Implementation and Analysis |
| C. Select one of the following: | |
| I&C SCI 51 | Introductory Computer Organization |
| or IN4MATX 43 | Introduction to Software Engineering |
| D. Select two upper-division from the following: ¹ | |
| COMPSCI 111-144 | |
| COMPSCI 151-177 | |
| IN4MATX 101-102 | |
| IN4MATX 111-119 | |
| IN4MATX 125 | Computer Game Development |
| IN4MATX 131 | Human Computer Interaction |
| IN4MATX 132-134 | |
| IN4MATX 141 | Information Retrieval |
| IN4MATX 148 | Project in Ubiquitous Computing |
| IN4MATX 153 | Computer Supported Cooperative Work |
| IN4MATX 161-163 | |
| IN4MATX 171 | Introduction to Health Informatics |

¹ COMPSCI 190-199 and IN4MATX 190-199 may not be applied to the minor.

NOTES:

- Visit the ICS Student Affairs Office website for Majors and Minors restrictions (http://www.ics.uci.edu/ugrad/degrees/MajorMinor_Restrictions_Chart.pdf).
- A maximum of two courses may be taken for the Pass/Not Pass grade option toward any minor
- There are no applications for an ICS minor. Students must have a peer advisor or academic counselor of their major add the minor to their Degree Audit once they begin pursuing the minor.
- To ensure you are certified for the minor at graduation, the minor must be on your Degree Audit and Application for Graduation. Your Student Affairs Office can add the minor to your Degree Audit and will certify your minor at time of graduation, so it is important to keep them updated on your academic progress.
- Some ICS majors may not minor in Information and Computer Science. For those who may, only one course may overlap between your major and minor.
 - Information and Computer Science, B.S.
 - Information and Computer Science, M.S.
 - Master of Data Science
 - Software Engineering, B.S.