

# 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- 33- 45C- 46	Introduction to Programming and Programming with Software Libraries and Intermediate Programming and Programming in C/C++ as a Second Language and Data Structure Implementation and Analysis
I&C SCI 6D	Discrete Mathematics for Computer Science

## B. Select one of the following:

I&C SCI 51 or IN4MATX 43	Introductory Computer Organization Introduction to Software Engineering
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## C. Select two upper-division from the following: <sup>1</sup>

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 Medical Informatics

<sup>1</sup> COMPSCI 190-199 and IN4MATX 190-199 may not be applied to the minor.

## NOTES:

1. Visit the ICS Student Affairs Office website for Majors and Minors restrictions ([http://www.ics.uci.edu/ugrad/degrees/MajorMinor\\_Restrictions\\_Chart.pdf](http://www.ics.uci.edu/ugrad/degrees/MajorMinor_Restrictions_Chart.pdf)).
2. A maximum of two courses may be taken for the Pass/Not Pass grade option toward any minor
3. 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.
4. 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.
5. Some ICS majors may not minor in Information and Computer Science. For those who may, 5 courses cannot overlap between your major and minor.