

Master of Computer Science

The Master of Computer Science is a 15-month professionally-oriented program that prepares students for immediate entry into the technology workforce as well as enhances students' opportunities for career mobility and growth. The program emphasizes computer science concepts that apply to a wide variety of applications and industries, including technology, business, finance, healthcare, environmental, and more. Students learn and reinforce their knowledge through classroom and project-based learning through both individual and collaborative assignments. Midway through the program, students begin working on their master project which entails ideation, design, development, and execution, in conjunction with professional writing and communication components. Students' final projects are showcased to the community, including industry partners and hiring managers, with a strong emphasis on supporting network and relationship-building.

Most of the students in the program have a computing-related undergraduate degree or background; however, students from other technical and non-technical backgrounds with sufficient preparation and experience in programming as well as professional experience, are welcome and encouraged to apply.

For specific information regarding admissions requirements and the application process, please refer to the Graduate Division website (<https://grad.uci.edu/>).

A. Complete any three of the following core courses:	
COMPSCI 222P	Principles of Data Management
COMPSCI 232P	Computer and Communication Networks
COMPSCI 238P	Operating Systems
COMPSCI 250P	Computer Systems Architecture
COMPSCI 260P	Algorithms with Applications
COMPSCI 261P	Data Structures with Applications
COMPSCI 273P	Machine Learning and Data Mining
B. Complete the following three project courses:	
COMPSCI 295P	Keystone Project for Computer Science
COMPSCI 296P	Capstone Professional Writing and Communication for Computer Science Careers
COMPSCI 297P	Capstone Design Project for Computer Science
C. Complete at least six of the following elective courses that are not being counted as core courses from Section A:	
COMPSCI 201P	Computer Security
COMPSCI 203P	Network Security
COMPSCI 210P	Computer Graphics and Visualization
COMPSCI 220P	Databases and Data Management
COMPSCI 222P	Principles of Data Management
COMPSCI 223P	Transaction Processing and Distributed Data Management
COMPSCI 224P	Big Data Management
COMPSCI 231P	Parallel and Distributed Computing for Professionals
COMPSCI 232P	Computer and Communication Networks
COMPSCI 238P	Operating Systems
COMPSCI 242P	Compilers and Interpreters
COMPSCI 244P	Internet of Things
COMPSCI 250P	Computer Systems Architecture
COMPSCI 253P	Advanced Programming and Problem Solving
COMPSCI 260P	Algorithms with Applications
COMPSCI 261P	Data Structures with Applications
COMPSCI 262P	Text Processing and Pattern Matching
COMPSCI 268P	Optimization Modeling
COMPSCI 271P	Artificial Intelligence
COMPSCI 273P	Machine Learning and Data Mining
COMPSCI 274P	Neural Networks and Deep Learning
COMPSCI 275P	Graphical Models and Statistical Learning

COMPSCI 294P	Keystone Professional Writing and Communication for Computer Science Careers
D. Select one of the following:	
COMPSCI 298P	Computer Science Practicum
COMPSCI 299P	Individual Study

All Master of Computer Science students are expected to maintain a minimum GPA of 3.0 throughout the program, with no individual grade lower than a B. The normative time to degree is four academic quarters plus summer, or sixteen months.