



COMPUTER SCIENCE

COMPUTER TECHNOLOGIES IS ONE OF THE FASTEST GROWING FIELDS. STUDY IN COMPUTER SCIENCE PROVIDES THE FOUNDATION FOR DIVERSE OCCUPATIONS IN THE COMPUTER INDUSTRY RANGING FROM MANAGEMENT TO DESIGN, DEVELOPMENT, AND MAINTENANCE.

C.O.M.

Suggested Transfer Preparation

COMP 160 COMP 232
COMP 220 COMP 235
MATH 116, 124 MATH 124, 223
BIOL 115, 116 OR CHEM 131, 132

Transfer students are strongly advised to meet with a Counselor and complete as many preparatory courses as possible before transferring. Please refer to the following links for articulation agreement updates, revisions, and general information:

www.assist.org
UCTransfer.org

COLLEGE OF
MARIN

Transfer & Career Center
835 College Avenue
Kentfield, CA 94904
(415) 485-9671

Transfer/Counseling Advisory Committee:

Theodora Fung, Bruce Furuya, Letta Hlavachek, Bessie Ng-Jung,
Alexandra Magallanes Rivera, Jim Sweeney, Karen Robinson,
Emy Bagtas

CAREER OPPORTUNITIES

- | | |
|--|------------------------------|
| Biochemists | Home Based Worker |
| Bioinformatics Scientists | Information Architects |
| Business Programmers | Information Brokers |
| Computer Graphics Specialists | Information Researcher |
| Computer and Information Systems Managers | Internet Project Mngr |
| Computer Maintenance Technicians | Information Resource Manager |
| Computer Programmer Aides | Network Specialist |
| Computer Programmers | Network Managers and Admin. |
| Computer Sales Representatives | Operations Research Analyst |
| Computer Services Sales Representatives | Scientific Programmer |
| Computer Security Specialists | Numerical Control Programmer |
| Computer Software Training Specialists | |
| Computer Support Specialists | Scientific Programmer |
| Consultants | Robotic Application Engineer |
| Cryptanalysts | Software Engineer |
| Database Managers | Systems Analyst |
| Documentation Specialists | Systems Programmer |
| EDP Auditors | Web Developer |
| Free Agents | Webmaster |
| Games Programmers | |
| Genetic Engineers | |
| Geographic Information Systems (GIS) Technicians | |
| Peripheral EDP Equipment Operators | |

For more extensive information on career opportunities, go the Transfer & Career Center and create your EUREKA account

EXAMPLES OF EMPLOYERS

- | | |
|-----------------------------|-----------------------------|
| Government Agencies | Consulting Firms |
| Software Developing Company | Computer Hardware Companies |
| Colleges & Universities | Technology Companies |
| Airlines | Network System Companies |
| Wholesale/Retail Business | Self-Employed |
| Banks | |
| Manufacturing Firms | |
| Public Utility Firms | |

Typical Coursework associated with the study of Computer Science

Majoring in Computer Science you will be learning about computers and computer technology, with emphasis on the applications of such knowledge. This means you will focus on how computer technology can be applied to all fields of business, and how to develop business applications and perform system analysis. You will study the process of developing software, from designing to programming to testing. You will study areas such as robotics, natural language recognition programs, artificial intelligence, programming languages, and numerical analysis. In addition to developing technical, analytical and evaluative skills, concentrators in computer science also gain a knowledge of design, systems analysis, and programming.

California Universities offering Computer Science Degrees

California State University:

Refer to the following link for locations, web addresses and general information: www.csumentor.edu

CPSU - San Luis Obispo	Computer Science BS/Minor/ MS, Information Systems (Business Administration) BS
CSPU - Pomona	Computer Information Systems (Business Administration) BS, Computer Science BS/Minor/MS, Scientific Computer Programming Minor
CSU - Bakersfield	Computer Science BS, Management Information Systems (Business Administration) BS
CSU - Channel Islands	Biotechnology and Bioinformatics MS, Computer Game Design and Development Minor, Computer Science BS/Minor/MS
CSU - Chico	Computer Information Systems BS, Computer Science BS/MS
CSU - Dominguez Hills	Computer Science MS, Information Systems (Business Administration) BS, Information Systems Certificate (Graduate)
CSU - East Bay	Computer Information Systems (Business Administration) BS/MBA, Computer Information Systems Minor, Computer Science BS/Minor, Computer Science MS, Software Development Minor
CSU - Fresno	Computer Science BS/Minor/MS, Information Systems (Business Administration) BS
CSU - Fullerton	Computer Science BS/Minor/MS
CSU - Humboldt	Computer Information Systems BS/Minor, Computer Science BS
CSU - Long Beach	Computer Science Certificate/BS
CSU - Los Angeles Com	Computer Information Systems BS (Options: Business Systems; Information Technology), Computer Programming Certificate, Computer Science BS/Minor/MS
CSU - Monterey Bay	Computer Science Minor
CSU - Northridge	Computer Science BS/Minor/MS
CSU - Sacramento	Computer Science BS/Minor/MS
CSU - San Bernardino	Bioinformatics BS, Computer Science BS/Minor/MS, Computer Systems and Programming Certificate, Computer Systems BA
CSU - San Diego	Bioinformatics MS (Professional Science Master's), Computational Science MS (Professional Science Master's), Computational Science MS/Ph.D., Computer Science (Mathematics) BS, Computer Science BS/Minor/MS
CSU - San Francisco	Computer Science BS/Minor, Computer Science MS, Information Systems (Business Administration) BS/Minor
CSU - San Jose	Computer Science BS/Minor/MS
CSU - San Marcos	Computer Science BS/Minor, Computer Science MS
CSU - Sonoma	Computer Science BS/Minor, Computer and Engineering Science, through Special Sessions MS
CSU - Stanislaus	Computer Information Systems BS, Computer Science BS

University of California:

Refer to the following link for locations, web addresses and general information: UCTransfer.org

UC - Berkeley	Computer Science BA, Computer Science MS/Ph.D.
UC - Davis	Computer Science BS/Minor/MS/Ph.D., Computer Science and Engineering BS
UC - Irvine	Computer Science BS, Computer Science and Engineering BS, Informatics BS/Minor, Information and Computer Science BS/Minor, Information and Computer Science MS/Ph.D.
UC - Los Angeles	Computer Science and Engineering BS, Computer Science BS, Computer Science MS/Management MBA Concurrent degrees), Computer Science MS/Ph.D., Linguistics and Computer Science (Letters and Sciences) BA
UC - Merced	Computer and Information Systems MS/Ph.D., Computer Science and Engineering BS
UC - Riverside	Computer Science BS/Minor/MS/Ph.D., Information Systems BS
UC - San Diego	Bioinformatics Ph.D., Computer Science BA/BS/Minor, computer Science MS/Ph.D., Computer Science with specialization in Bioinformatics BS, Mathematics-Computer Science BA
UC - Santa Barbara	Computer Science BA, Computer Science (Engineering) BS, Computer Sciences (Letters and Sciences) BA (Computational Biology and Computational Geography; Computer Economics), Computer Science BS/MS/Ph.D.
UC - Santa Cruz	Bioinformatics BS/Minor/MS/Ph.D., Computer Science: Computer Game Design BS, Computer Sciences BA/BS/Minor/MS/Ph.D., Computer Technology Minor

Private Universities:

Refer to the following link for Independent Colleges and Universities: AICCU.edu

Humphreys College	College of Notre Dame	Dominican University	Frederick Taylor University
Fresno Pacific University	Golden Gate University	Harvey Mudd College	Holy Names College
La Sierra University	Loyola Marymount	Marymount College	Menlo College
Mills College	Mt. Sierra College	Mount St. Mary's College	National University
Occidental College	Pacific Union College	Pepperdine University	Point Loma Nazarene
Pomona College	Santa Clara University	Scripps College	Stanford University
St. Mary's College	University of La Verne	University of the Pacific	University of Phoenix
University of Redlands	University of San Francisco	Alliant International University	Westmont College