

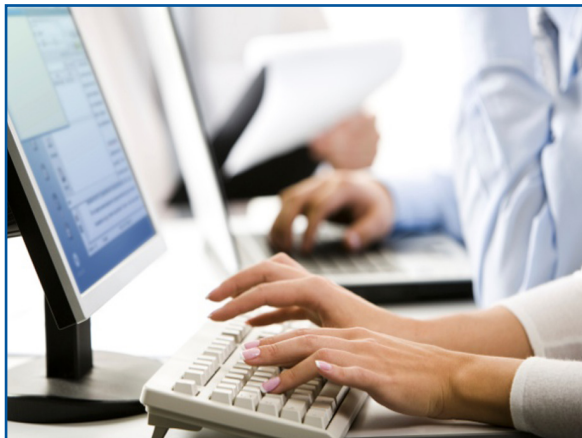
# Computer Science is shaping the future.

**A degree in  
Computer Science  
can help shape yours.**

Computer science is an integral part of our lives, shaping virtually everything from the objects around us to the ways in which we communicate, travel, work, and play. And the computer revolution has just begun – CS is now a key enabler for discovery and innovation in most other fields of endeavor, making it an incredibly relevant course of study.

Computer scientists invent the future by developing architectures and techniques for more advanced computing, and by developing the applications that operate within those frameworks.

Computer science is a powerful force for making a positive difference in the world. Computing has made possible undertakings such as landing the Curiosity rover on Mars, managing patient care to avoid undesired drug interactions, revolutionizing K-12 teaching and learning through the use of mobile devices, and even the creation of a computer that can win at Jeopardy. It's a field of unbounded potential – get ready to change the world!



<http://mibytes.eecs.umich.edu/>

## Enrollment and Fees

Admissions are open to high school graduates and persons 18 or older. For admissions and registration information, please see the current Merced College Schedule of Classes. Visit the website for more info:

[www.mccd.edu](http://www.mccd.edu)

## Important Phone Numbers

Admissions and Records.....	384-6187
Associated Students Office .....	384-6114
Bookstore .....	384-6280
<b>Business Division Office .....</b>	<b>384-6120</b>
Career Center.....	384-6243
Disabled Student Services .....	384-6155
EOPS Office .....	381-6596
Financial Aid Office.....	384-6031
Guidance/Counseling .....	384-6314
Job Opportunity Services .....	384-6237
Library.....	384-6080
Los Banos Campus .....	826-3495
Non-Credit Program .....	381-6540
Student Health Services.....	384-6045
Tutorial Center.....	384-6271
Veterans Resource Center .....	384-6113

*Merced College does not discriminate on the basis of race, color, national origin, sex, handicap, or age in employment, in any educational program, or in the provision of benefits and services to its students*

*Affordability • Quality • Convenience*



3600 M Street  
Merced, California 95348-2806  
(209) 384-6000  
[www.mccd.edu](http://www.mccd.edu)

# Merced College



*Students  
are our Focus*



Computer Studies

Merced College

Career Technical Education  
[www.mccd.edu](http://www.mccd.edu)  
(209) 384-6120

# Merced College



## Associate Degree for Transfer

*A Degree with a Guarantee*

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

To learn more about the AS-T Degree visit:

<http://www.adegreewithaguarantee.com/>



The Prep2Test website was designed to improve student placement test scores in English and Math. This award-winning program has had a tremendous positive effect on student placement test scores. Visit the website for more information and practice tests:

<http://www.mccd.edu/PREP2TEST/>

Students are encouraged to determine what other lower division requirements are needed by the institution to which they plan to transfer, and **meet with a STEM Transfer Counselor to create an education plan.**

# Computer Science

## Degree Programs

Merced College offers two degree programs within Computer Science.

## Computer Science AS-T Degree

The **Associate of Science Transfer Degree in Computer Science** is your link to an exciting career in computer information and communication technology. Providing the foundational courses needed by the higher level programming and theory courses offered at the CSUs, computer science majors move directly through the industry recognized sequence of courses. Students prepare themselves for highly successful jobs in virtual reality, computer security, embedded applications design, video game design, computers systems applications, cyber security and artificial intelligence. Computer science is not just for geeks, it's for gamers, designers, thinkers.

	<b>Units</b>
CPSC-06 Programming Concepts and Methodology or 3	3
CPSC-14/ENGR-14 C++ Programming	3
CPSC-39 Programming Concepts and Methodology II	4
CPSC-42 Computer Architecture and Organization	3
CPSC-07 Discrete Structures	3
MATH-04A Calculus I	4
MATH-04B Calculus II	4
PHYS-04A Physics I	4
PHYS-04B Physics II	4
	29
Additional courses toward IGETC certification and transferable electives	31
<b>Total Units</b>	<b>60</b>



## Management Information Systems AS Degree

An **Associate in Science Degree in Management Information Systems** is designed to meet the lower division requirements for those students majoring in Business Administration, Computer Information Systems, or Management Information Systems.

	<b>Units</b>
ACTG-04A Financial Accounting	4
ACTG-04B Managerial Accounting	4
BUS-18A Business Law	4
CPSC-01 Introduction to Computer Information Systems	4
CPSC-05A Application Development and Programming	3
CPSC-06 Programming Concepts and Methodology I.	3
ECON-02 Introduction to Macroeconomics	3
MATH-10 Elementary Statistics	3
Plus at least three units from the following courses:	
MATH-04A Calculus I	3
MATH-15 Finite Mathematics	3
	31
Additional courses toward IGETC certification and transferable electives	31
<b>Total Units</b>	<b>62</b>