COMPUTER/INFORMATION SYSTEMS

Program Description
Computers are ubiquitous. They are in our hospitals, our educational institutions, our businesses, and our homes. In CIS you will explore how digital solutions are analyzed, developed, and implemented into artifacts that humans use every day. As a CIS graduate, the world will be your oyster. Your skills are in great demand in all fields of business, industry, and education. From Computer Hardware Specialist to Cybersecurity, Networking, Programming, and Web Development, you will be able to choose a career pathway that is both meaningful and pays higher wages than most jobs today. You will be exposed to tools and practices that are used the world over as you prepare to launch yourself into the exciting and demanding world of Computer Information Systems.

Contact Information
San Jacinto Campus
(951) 487-MSJC (6752)
1-800-624-5561
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Menifee Valley Campus
(951) 672-MSJC (6752)
1-800-452-3335
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Program Learning Outcomes
• Recognize that a system consists of people, procedures, hardware, software, and data within a global environment.
• Apply systems concepts in the investigation, evaluation, and resolution of information technology problems.
• Recognize how the very large amounts of data collected by modern organizations can be used to review, redesign, and improve processes.
• Employ applications software and software tools in the application of information technologies to help individuals, groups, and organizations achieve their goals.
• Analyze existing processes based on interviewing, observation, documentation, analysis and other similar methods.
• Research and apply industry reference models and best practices in order to improve process designs.
• Assess, manage, and control IT risks.
• Demonstrate working effectively as a member of the team to accomplish common goals.
• Analyze technical information, as well as listen effectively to, communicate orally with, and prepare memos, reports and documentation for a wide range of audiences.
• Investigate and assess new sources of information and learning opportunities to stay abreast of emerging information and computing technologies.
• List career paths related to the program of study, as well as any qualifications and/or professional certifications that may be associated with those careers.

Non-Transfer Degree

Certificates
• Internet Authoring, Certificate (https://catalog.msjc.edu/instructional-programs/computer-information-systems/internet-authoring-certificate/)
• Networking Certificate (https://catalog.msjc.edu/instructional-programs/computer-information-systems/networking-certificate/)
• Programming Certificate (https://catalog.msjc.edu/instructional-programs/computer-information-systems/programming-certificate/)

Employment Concentrations
• Computer Forensics Employment Concentration (https://catalog.msjc.edu/instructional-programs/computer-information-systems/computer-forensics-employment-concentration/)
• Computer Hardware Specialist Certification (https://catalog.msjc.edu/instructional-programs/computer-information-systems/computer-hardware-specialist-certification/)
• Cybersecurity Employment Concentration (https://catalog.msjc.edu/instructional-programs/computer-information-systems/cybersecurity-employment-concentration/)
• Internet Authoring Apprentice Employment Concentration (https://catalog.msjc.edu/instructional-programs/computer-information-systems/internet-authoring-apprentice-employment-concentration/)

Degrees/Certificates

Degrees
Transfer Degree
• Computer Science A.S.-T (https://catalog.msjc.edu/instructional-programs/computer-information-systems/computer-science-as-t/)
Careers and Salaries

Discover in-demand careers and education options based on your interests! See the list of careers below or explore further by searching for Careers or Programs (https://msjc.emsicc.com).

Note: There are no guaranteed positions for students completing these programs. Education and work experience required will vary by employer. The salary and benefits for specific occupations will be dependent on work experience, education, background, and employer. Labor market statistics are from the Bureau of Labor Statistics, US Census Bureau, O*NET, EMSI.

<table>
<thead>
<tr>
<th>Career/Industries</th>
<th>CA Annual Median Salary or Range</th>
<th>Employment Demand or Opening CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Networking &amp; IT Administration (A, B)</td>
<td>$93,000</td>
<td>4,812</td>
</tr>
<tr>
<td>Web Development (A, B)</td>
<td>$69,359</td>
<td>2,432</td>
</tr>
<tr>
<td>Programming (A, B)</td>
<td>$123,707</td>
<td>6,250</td>
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(degree required: SM some college, C: Certificate, A: Associate degree, B: Bachelor’s degree, M: Master’s degree, D: Doctorate)