The Information Systems (IS) Major Curriculum

**Required Courses**
- IDS 306 Information Systems Analysis
- IDS 315 Business Applications Programming
- IDS 380 Data Management Systems
- IDS 396W Reporting Techniques for Business
- IDS 406 Information Systems Design
- IDS 483 Networks & Data Communications
- IDS 492 Management of Information Systems

**Popular Electives**
- IDS 375 Information Systems Technology
- IDS 460 Project Management
- IDS 481 E-business/Web Development
- IDS 482 IT Projects

Visit www.sdsu.edu/mis for a complete list of electives

California Jobs Outlook (2006-2016): CA Employment Development Department

**Top 100 Occupations with Fastest Job Growth (% Increase)**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Job Title</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Network Systems &amp; Data Communication Analysts</td>
<td>59%</td>
</tr>
<tr>
<td>2.</td>
<td>Computer Software Engineers, Applications</td>
<td>47%</td>
</tr>
<tr>
<td>29.</td>
<td>Database Administrators</td>
<td>31%</td>
</tr>
<tr>
<td>34.</td>
<td>Network &amp; Computer Systems Administrators</td>
<td>30%</td>
</tr>
<tr>
<td>50.</td>
<td>Computer Systems Analysts</td>
<td>28%</td>
</tr>
<tr>
<td>51.</td>
<td>Computer Software Engineers, Systems Software</td>
<td>28%</td>
</tr>
<tr>
<td>88.</td>
<td>Computer &amp; Information Scientists, Research</td>
<td>25%</td>
</tr>
</tbody>
</table>

Source: www.labormarketinfo.edd.ca.gov

Starting Salary Survey Data: National Averages

<table>
<thead>
<tr>
<th>Business Discipline</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Systems</td>
<td>$51,489</td>
</tr>
<tr>
<td>Finance</td>
<td>$48,158</td>
</tr>
<tr>
<td>Accounting</td>
<td>$48,020</td>
</tr>
<tr>
<td>Business Administration/Management</td>
<td>$46,171</td>
</tr>
<tr>
<td>Marketing</td>
<td>$41,506</td>
</tr>
</tbody>
</table>

Source: National Association of Colleges and Employers, Fall 2008 Salary Survey

For more information contact the Information Systems Advisors:
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MIS Featured Alumni 2009

Jessica Vreeland  
BS Business Administration, 2008  
Major: Information Systems  
Company: CDC Small Business Finance  
Job Title: Network Engineer

“The Information Systems curriculum at SDSU provided the foundation for my career. The courses exposed me to essential concepts used by IT professionals such as networking and information systems management. By integrating business with technology, I learned how to successfully translate technical issues at a macro level, allowing me to bridge the gap between technology and business. As a result, I can effectively explain how technology can be used to solve problems and gain a strategic advantage.”

Shannon Connell  
BS Business Administration, 2007  
Major: Information Systems  
Company: BAE Systems  
Job Title: Systems Engineer

“In my personal experience, a degree in Information Systems does more to prepare you for a career in business than any other business degree or certification. Specifically, the IS program gave me the skills and knowledge to break down business problems into a set of requirements, and subsequently address each of those requirements with methodical and researched solutions. IDS prepared me for a career that is not constrained by a job description. I am confident that wherever I go I will always be able to depend on the skills I developed during my studies at SDSU.”

Andrew Westfall  
BS Business Administration, 2007  
Major: Information Systems  
Company: Qualcomm Inc.  
Job Title: Staff Program Analyst

“The IS program at San Diego State played a big role in establishing a foundation of knowledge to be successful in my career. San Diego Gas & Electric follows a lifecycle they call the IT Product Lifecycle. This life cycle directly mimics the System Development Lifecycle that students learn in the IS Program. Everything that is involved in the IT Product Lifecycle: Requirements Gathering, Design, Construction/Build, Testing, Implementation, and Post Production Support can directly tie into the steps involved in the Systems Development Lifecycle.”

Keith Petersen  
BS Business Administration, 2007  
Major: Information Systems  
Company: Kisco Senior Living  
Job Title: Systems Analyst/Computer Systems Software Engineer

“The IS program prepared me to develop information systems by coaching me on all aspects of the Systems Development Life Cycle. Each course gave a unique opportunity to enhance our skills pertaining to each of the Life-Cycle Phases. Conceptual courses gave us the ability to understand the purpose of business systems while the more technical courses provided a better understanding of the skills needed to design and implement. We were also given opportunities to work in teams to test our skills and gain valuable real world experience.”

Kevin Whalley  
BS Business Administration, 2007  
Major: Information Systems  
Company: SIATech, INC  
Job Title: Programmer/Analyst

“The IS program at SDSU helped me prepare for my career by giving me the broadest possible skill set I could use in the workplace. What I learned in the classroom and who I met through networking with people helped to secure an excellent job straight out of college.”

Carlos P. Soriano  
BS Business Administration, 2007  
Major: Information Systems  
Company: San Diego Gas & Electric  
Job Title: Business Systems Analyst

“I learned the various aspects of managing a business and the key elements of making a business successful. I also learned how to tackle the problems that businesses face with technology and how to use technology to make a business more successful. IDS 306 and IDS 406 taught me how to go about analyzing an information system, how to understand the relationship between data flows and how to actually implement a new data flow process to real people working in the company, who were already accustomed to working in a certain way.”

Jaime Nacach  
BS Business Administration, 2007  
Major: Information Systems  
Company: MK Digital Direct  
Job Title: Marketing Director

“Participating in the Information Systems program at SDSU provided me with a technical foundation as well as a background in business. Throughout my studies, I gained technical knowledge about systems development and analysis, programming concepts and databases. The business curriculum enhanced my understanding of the various functional areas within organizations and how IT affects them. As a result, I am able to communicate effectively with both technical and non-technical personnel. This ability is essential for interacting with customers. The managerial, technical, and communication skills I developed have allowed me to take on dynamic roles within the workplace and are the basis for achieving my professional goals.”

To view more featured alumni visit the MIS web site:  
www.sdsu.edu/MIS