

Specialization (Computer Information System)

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Specialization is defined as an arrangement between organizations and community. The members are suitable by virtue of their respective education, field, knowledge, skills, or other qualifications for specific tasks with the goal to continue a greater responsibility in terms of their performance and execution of efficient and effective service/s. Specialization within the computer information system field is broad and evolving. It continued to develop as advances in technology are made because of computer software and hardware. These advancements lead to the development and discovery of more applications for computer technology. Specialization in this field encourages talented/brilliant students, whose interests are designing, solving, testing, and so on, to participate. It also provides an opportunity to embark on a highly successful career in computing technology and information (Master of Computer and Information)(Specialization)(Computer Science Specializations).



Description of CIS Function

Computer information system graduates play a significant role in building and in the implementation of technology systems within the organizations. They execute everything from network security protection to developing a business plan and managing internet operations. Another function of CIS is to determine both business goals and technical aspects within the top management and make comprehensive plans in order to accomplish these business objectives. This involves a robust understanding of both business and technology practice (What Can I do with a Major in Computer Systems?). CIS graduates solve problems by designing and creating programs. They also discover innovative ways to improve the power of computer and information system to solve and address problems in almost every industry and discipline in the

workplace.

Possible Job Titles of CIS Graduates

Among the possible job titles for CIS Graduates are the following: Application Developer, Digital Energy ERP Project Manager, Information Management Leadership Program, Infrastructure Architect, IT Consultant, IT Support Specialist, Programmer /Analyst, Project Manager, Quality Assurance Specialist, and Setup Configuration Specialist. Measuring and solving complex strategic business problems, through designing computer-based information systems, can be a fulfilling and rewarding profession. Computer information technology careers are in demand and high paying jobs because of growing technological processes today. In the modern work environment, technology is considered an important tool that works both reliably and effectively (Computer Support Specialist)(What Does an Application Developer Do?).

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Possible Employers of CIS Graduates

There are several opportunities for Computer Information System (CIS) graduates. These opportunities can be found at any in large, traditional and high technology companies such as Microsoft, Apple Inc., Cisco, RSA, EMC, IMB, EMC etc. There are also opportunities found in the start-ups and small companies to bring better services in the following industry: insurance, finance, and consulting (Keane, PeopleSoft, SAS, Lehman Brothers, KPMG, Accenture, Mass, Mutual and Fidelity); in information and communication companies (AT&T, Alcatel, Verizon, Akamai, Comcast, Motorola, Google and Yahoo); in pharmaceuticals, medical devices and healthcare (Boston Scientific, Allergan, Merck & Co., Partners Healthcare Abbott Laboratories); Online companies in marketing and sales (Amazon, EBay, Alibaba, Walmart etc.); and in the entertainment and hospitality industry (Netflix, YouTube, Airlines, media, hotel companies) (Career Options What Can I Do with A Degree In CS?).

Skill Sets and Interests Commonly Associated with CIS Majors

The CIS majors should strengthen each of these skills with advance and specialization courses. This degree requires skills in problems solving and logical thinking which are helpful in assessing the needs and identifying the relationships between problems and solutions. Critical thinking is one of the skill required to provide fast possible solutions. Technical or analytical skills are also important for designing, testing software, understanding the limitations of computers, and developing an effective method in solving computer related problems. In school, students will learn how to develop and analyse software applications and algorithms (Career Options What Can I Do with A Degree In CS?)(Computer Science).

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