MBA Find Your Focus:

Information Systems

CALIFORNIA STATE UNIVERSITY
FULLERTON
MIHAYLO COLLEGE
OF BUSINESS AND ECONOMICS
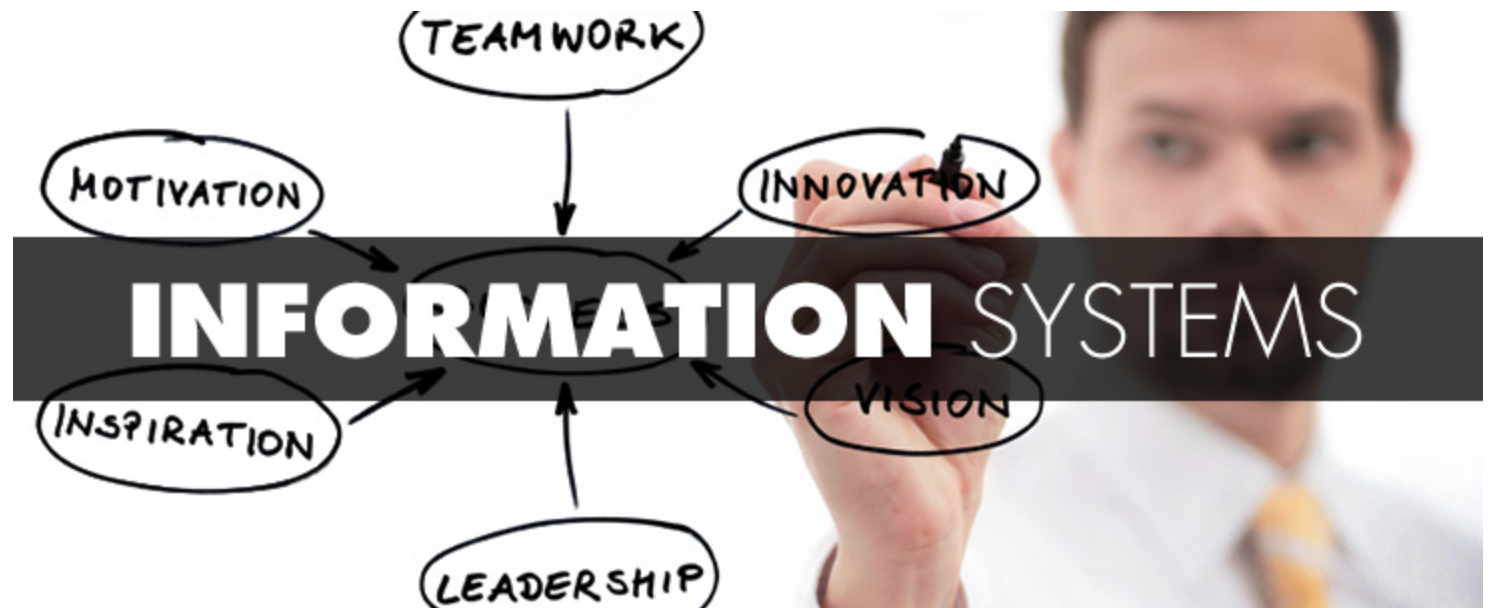
What is Information Systems?

o Information Systems: management of a combination of hardware, software, infrastructure and trained personnel to facilitate planning, control, coordination, and decision making in an organization

o Management skills or effective use of info in enterprise

o Management of information systems built on technical and business skills drawn from fields of business management, information systems, and business functioning areas (ex: accounting, marketing, finance)

Why choose Information Systems?

o There is a global shortage of skilful people in information systems

o Ample job opportunities

o Information Systems and Technology is the foundation of conducting business because it is vital to the communications, operations, and decisions aspect of a business

o Important Skills:
  - Analytical Skills
  - Communication Skills
  - Creativity

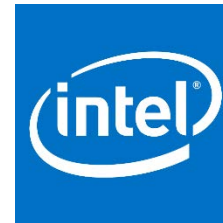# Bureau of Labor Statistics: Computer Systems Analyst

o Job growth estimated at 25% from 2012-2022

o Median annual wage range pay: $79,680

o High end of annual wage rage: $122,090

o "Job applicants with a background in business may have better prospects because jobs for computer systems analysts often require knowledge of an organization's business needs."

Sample Courses

o ISDS 550 Business Data Communications (3 units)
Concepts for developing a data communication architecture for a business enterprise. Issues of transmission media, speed, efficiency, protocols, security in a variety of network architectures such as LAN, WAN, VPN, leading to "the state of the art" wireless networks. Concludes with a discussion on the technical implications of doing business on the Internet.

o ISDS 555 Business Database Design (3 units)
Internet and multi-user databases; accessing Web servers; data warehouse, structured query language, client-server database systems and programming; object-oriented databases.

o ISDS 563 Geographic Information Systems for Business (3 units)
Geographic Information Systems in support of business applications such as site location, scheduling, marketing and real estate. Students will develop GIS applications for local businesses.

o ISDS 576 Business Modeling and Simulation (3 units)
Theory and application of modeling and simulation methodology. Probabilistic concepts in simulation; arrival pattern and service times; simulation languages and programming techniques; analysis of output; business applications. Requires projects. The individual project will fulfill the terminal degree requirement.

Career Opportunities

- Business Analyst
- Systems Analyst
- Project Manger
- Chief Information Officer

- Consultant
- Knowledge Officers
- Software Engineers
- Network Administrators

Center for Information Systems & Business Analytics

- Mission Statement: To develop a habit of intellectual inquiry among our students, prepare them for challenging professional life, help them strengthen relationships to their communities and contribute productively to the society.

- Offers seminars and speaker events related to the fields of Information Systems and Business Analytics

- Provides job resources to guide students who are pursuing Information Systems and Business Analytics

- Gives specialized consultations to Business Analytics problems for local businesses in the Southern California area

For more details, visit: CSUF CITBA

Student Organizations

- **Association of Information Technology Professionals (AITP)**: a national student organization dedicated to the technical advancement of their members.

  For more information, visit: CSUF AITP

- **MBA Association**: to provide graduate business students with a professional, educational, and social network comprised of classmates, faculty, and administration at California State University, Fullerton (CSUF).

- For more information, visit: CSUF MBA Association

  *for information on other business clubs, visit: Mihaylo Clubs

References

CSUF Mihaylo MBA Concentrations Website

Business Dictionary: Information Systems

Bureau of Labor Statistics: Computer Systems Analyst