INFORMATION SYSTEMS

CAREER INFORMATION

Students interested in using computers to solve business problems and in designing new and more efficient solutions, should consider a major in information systems. The major is intended to prepare students for their first job in information systems, which is normally as a systems analyst. The systems analyst studies problems, designs solutions, and implements those solutions using computer hardware and software. The major will also prepare students for continued growth as a manager in information systems. Many graduates who major in information systems assume the following positions: systems analysts plan the activities necessary to solve a business problem by structuring the problem in logical form, identifying the data needed, and specifying the procedures to be followed in programming the data processing; information systems specialists represent various departments of a business in assuring that each department’s information processing needs are provided for effectively and efficiently; programmers and analysts plan and write computer programs to process business information; computer center managers direct the work of information processing in a company; and technical marketing specialists sell and coordinate the installation of computer systems. Typical places of employment for information systems graduates include large businesses, government agencies, computer manufacturers, universities, and independent computer service organizations.

GENERAL INFORMATION

Not all universities with this major are listed below. The lower division core preparation is listed for universities with which LBCC has established articulation agreements. The first course listed is the LBCC course; the course in parentheses immediately after is the university equivalent. It is generally recommended to take as many lower-division major courses as possible prior to transfer. Please check www.assist.org for the most current articulation information and information regarding minimum grade for each course, impacted major recommendations, application procedures, etc. Moreover, you must see a counselor to develop an accurate educational plan to ensure your competitiveness for admissions for your school(s) of choice. To thoroughly understand admissions and general education requirements please check the catalog of the transfer university. CSU/UC admissions and general education requirements are outlined on a separate curriculum guide.

*** Schools are listed in alphabetical order ***

CAL POLY POMONA

- **B.S. – Business Administration: Computer Information Systems Option**
  Acctg 1A & 1B (Acc 207 & 208); Cbis 14A (Cs 140 or Cis 234), 12 (Cs 256 or Cis 284); Econ 1A or 1AH (Ec 202), 1B (201); Law 18B (Frl 201); Stat 1 or 1H (Sta 120)

CSU CHICO

- **B.S. – Computer Information Systems**
  Stat 1 (Math 5)
  (No LBCC equivalents to the following CSUC courses: Csci 15A, 15B, 51A, 54; Math 9)

SEE REVERSE SIDE FOR ADDITIONAL REQUIREMENTS
CSU DOMINGUEZ HILL

- **B.S. – Business Administration: Information Systems Concentration**
  Accounting 1A (Acc 230), 1B (231); CBIS 2, 6 (Cis 270), 35A; Econ 1A (Eco 211), 1B (210); Law 18A (Law 240)

CSU LONG BEACH

- **B.S. – Business Administration: Management Information Systems Option**
  **Core Requirements:** Acctg 1A (Acct 201); CBIS 6 (IS 233); Econ 1A or 1AH (Econ 100), 1B (101); Law 18A (Fin 220); Math 37 or 37H (Math 114), 47 (115); Phil 12 (Phil 170)

  **Tracks:** Applications Development; Business Telecommunications; Electronic Commerce

  **Track Requirements:** No additional lower division equivalents at LBCC

CSU LOS ANGELES

- **B.S. – Computer Information Systems**
  **Core Requirements:** Acctg 1A & 1B (Acct 200A & 200B); Cbis 2 & 6 (Cis 100); Econ 1A or 1AH (Econ 202), 1B (201); Engl 3 or 3H (Engl 102); Math 47 (Math 242); Stat 1 (Econ 209)
  (No LBCC equivalents to the following CSULA courses: Cis 283; Fin 205)

  **Options:** Business Systems, Information Technology

  **Option Requirements:** No additional lower division equivalents at LBCC

HUMBOLDT STATE UNIVERSITY

- **B.S. – Computer Information Systems**
  Cbis 8A (Cis 130); Math 60 (Math 105 or 109); Stat 1 or 1H (Stat 108)
  (No LBCC equivalents to the following Humboldt State courses: Cis 110, 230, 235, 240, 250, 260, 291; Math 253)

SAN DIEGO STATE UNIVERSITY

- **B.S. – Business Administration: Information Systems Major**
  Acctg 1A (Acctg 201), 1B (202); Econ 1A or 1AH (Econ 101), 1B (102); Math 47 (Math 120); Stat 1 or 1H (Econ 201 or Stat 119)

UC IRVINE

- **B.S. – Information and Computer Science**
  Cbis 12 & 14A (I & C Sci 21); Math 60 & 70 (Math 2A & 2B & 2J)
  (No LBCC equivalents to the following UCI courses: I & C Sci 22, 23, 51, 52)