

BUSINESS INFORMATION SYSTEMS

DEGREES, CERTIFICATES AND AWARDS

Associate in Science Degree (A.S.)

DESCRIPTION

The Business Information Systems program is designated for students interested in pursuing a career in business with a focus on information technology. The major satisfies the business sector's need for well-rounded technology professionals. As technology managers, graduates of this program are responsible for delivering information services while cost-effectively administering their organization's information resources and technology. The Business Information Systems program enables graduates to understand the interaction, planning, development, and operations of information systems and information sharing within a business or organization.

This cross-disciplinary program combines topics from our Computer Information Technology degree and our Business Administration degree to create a unique program that gives you the opportunity to blend your passion for technology with your business and leadership skills.

PROGRAM LEARNING OUTCOMES

1. Describe the general characteristics of a computer system and identify types of computer hardware and software and explain their functions.
2. Show understanding of accounting applicable to recording and reporting of business transactions and show proficiency utilizing computerized financial software.
3. Create computer programs using a program language that incorporates good design principles and meets specifications.

ASSOCIATE DEGREE PROGRAM

The Associate in Arts (AA) or the Associate in Science (AS) Degree involves satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all IVC district requirements for the associate's degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition students must maintain a minimum grade point average and meet the minimum grade requirements of their program. Detailed information is available in the college catalog.

CAREER OPPORTUNITIES

Of the career opportunities identified many will usually require the completion of degree requirements at 4-year colleges and universities.

- Programmer
- Applications Programmer
- Systems Programmer
- Information Specialist
- Programmer Analyst
- Software Engineer
- Systems Analyst
- Systems Integrator
- Project Manager
- Computing Applications Specialist
- Web Developer
- Web Designer
- Webmaster
- Data Administrator
- Database Administrator
- Database Manager
- Database Operator
- Database Programmer
- Computer Technician
- Computing Support Specialist
- Network Technician
- Network Administrator
- System Administrator
- System Operator
- System Manager
- Help Desk Technician
- Applications Specialist



TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree at Imperial Valley College may not be the same as those required for completing the major at a transfer institution offering a bachelor's degree. Students who plan to transfer to a four-year college or university should schedule an appointment with an IVC Counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.edu – CSU System Information

www.universityofcalifornia.edu/admissions/index.html - UC System Information

www.aiccu.edu – California Independent Colleges and Universities, Association of

<http://wiche.edu/wue> - Western Undergraduate Exchange Programs

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that IVC offers a full array of financial aid programs – grants, work study, scholarships, and fee waivers (we do not participate in the federal loan programs). These programs are available to both full and part time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.imperial.edu/students/financial-aid-and-scholarships/

BUSINESS INFORMATION SYSTEMS

ASSOCIATE DEGREE PROGRAM

BUSINESS INFORMATION SYSTEMS MAJOR – A.S. DEGREE

Twenty-two to Twenty-three (22.0-23.0) units required for the major.

ALL COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I. Required courses for the major (16.0 units)

BUS	124	Introduction to Business	3.0
BUS	126	Business and the Legal Environment	3.0
CIS	101	Introduction to Information Systems	3.0
CIS	160	Computer Hardware and Software	4.0
ECON	101	Introduction to Micro Economics	3.0

II. Select one course (3.0-4.0) units:

ACCT	099	Practical Accounting (3.0)
ACCT	210	Principles of Financial Accounting (4.0)
ACCT	220	Principles of Managerial Accounting (4.0)
ACCT	240	Computer Accounting (3.0)
BUS	260	Business Communications (3.0)
ECON	102	Introduction to Macro Economics (3.0)

III. Select at least three (3.0) units:

CIS	115	Microsoft Outlook (1.0)
CIS	120	Microsoft Word I (1.0)
CIS	121	Microsoft Word II (1.0)
CIS	124	EXCEL I (1.0)
CIS	125	EXCEL II (1.0)
CIS	128	Microsoft Access (1.0)
CIS	130	Power Point I (1.0)
CIS	131	Power Point II (1.0)
CIS	161	Introduction to Cybersecurity: Ethical Hacking (3.0)
CIS	162	Computer Network Fundamentals (3.0)
CIS	163	Routing and Switching Essentials (3.0)
CIS	166	Digital Forensics (3.0)
CIS	167	Systems and Network Administration (3.0)
CIS	202	Programming Concepts and Methodologies (3.0)
CIS	210	Programming in C++ (3.0)

Total Major Units

22.0-23.0