



### **B.S. IN COMPUTER INFORMATION SYSTEMS /FINE ARTS (GRAPHIC DESIGN)**

The Bachelor of Science in Computer Information Systems (CIS) degree program gives students a foundation of applied computer skills and a strong theoretical base. CIS graduates typically find employment either as systems analysts or computer programmers. Recent advances in computer technology, including the growth of Internet services, networks, security, and data mining and analytical tools, provide new employment opportunities in the 21st century.

#### **DEGREE REQUIREMENTS**

A Bachelor of Science degree in CIS requires a total of 120 credit hours with an overall grade point average of 2.0 both overall and in CIS related courses. The degree requires a total of 45 credit hours in CIS courses. All CIS students must include a minor in their studies

#### **COURSEWORK**

Required courses:

- Introduction to Computing
- Computers and Their Uses
- Network Technologies and Administration
- Introduction to Programming Logic
- Two semesters of a programming language
- Systems Analysis (two semesters)
- Project Management
- Database Management Systems
- Data Mining

Electives:

- Web Development
- Networking Technologies and Security
- Independent Programming Lab
- Internship (availability of internships depends on the current needs of the job market.)

#### **PROGRAM HIGHLIGHTS**

The CIS faculty has a wide range of experience and expertise. All associate faculty members are currently employed or self-employed in the field of Information Technology (IT). In addition, all full-time faculty members have past work experience in the IT field.

The areas of expertise for the CIS faculty include computer graphics, computer networking systems, office systems, computer security, computer programming, systems

development, database modeling and design, and data mining. The CIS program offers both day and evening classes. In addition, a wide variety of classes are available online, ranging from introductory courses to advanced courses such as Advanced Computer Applications, Web Design, and Web Programming. The CIS program also offers classes that meet one night per week for three hours, to help students obtain the widest variety of scheduling options. Many classes have access to additional learning tools such as Lynda.com and skill-assessment management software. Individual courses may make use of course-specific learning materials

#### **WHAT CAN I DO WITH A B.S. IN COMPUTER INFORMATION SYSTEMS?**

CIS graduates typically find employment as systems and database analysts, network administrators, and Web developers. Systems and database analysts plan and develop methods for computerizing business systems. Knowledge of Web development helps businesses meet the challenges of e-commerce in a global market.

#### **HANDS-ON LEARNING**

CIS students work with state-of-the-art software packages and all students have access to IU Northwest's network of personal computer workstations and online resources. CIS students have access to a networking lab to learn not only hardware requirements but the latest in network systems administration. As part of their degree experience, students are encouraged to participate in the Internship Program. The Internship Program provides real world, on-the-job experience and opportunities to practice what has been learned in class. After graduation, many interns remain with the companies who sponsored their internships. All students have access to free or greatly discounted software packages through IUWare and the campus bookstore.

#### **CLUBS AND ACTIVITIES**

The Information Technology Club is open to all interested parties. Students meet about once per month and enjoy group outings once per semester.

#### **RELATED DEGREE OPTION**

- Minor in Computer Information Systems
- Post-baccalaureate Certificate in Computer Information Systems

#### **FOR MORE INFORMATION**

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