INFORMATICS CAREERS

Industry need is rising for skilled professionals who have a combination of business savvy and technology skills. Common positions for business informatics graduates include the following:

- Systems Analyst $84,500 - $125,000
- Applications Developer $115,000 - $167,000
- Mobile App Developer $118,750 - $182,250
- Database Developer $108,000 - $161,500
- Data Modeler $111,000 - $161,500
- Database Administrator $98,500 - $148,500
- Web Designer $70,500 - $118,000
- Web Developer $82,750 - $135,500
- Consultant $81,250 - $121,500

Salary figures were obtained from Robert Half 2017 Hiring and Compensation Trends.

THE ISU ADVANTAGE

ISU’s Business Informatics degree is a STEM degree and is highly technical. The curriculum includes five programming courses along with the more traditional Systems Analysis and Design course and a Database Design course.

With this emphasis on programming, software development, and web development, along with a breadth of course offerings that include analytical thinking and problem solving, communication, system modeling, and business concepts, business informatics majors are valuable to employers both for their technical skills as well as their business knowledge and ability to solve organizational problems.
Our program is unique in its emphasis on the breadth and depth of technical preparation. The curriculum is highly technical, sharing core courses with our computer science program, and has a strong emphasis on both software development and web development.

Technical knowledge is augmented with a suite of core business courses in areas like management, accounting, finance, marketing, and business law. This range of preparation produces graduates competent for both managerial as well as technical roles. There are few informatics degrees of comparable quality.

The Informatics department consists of eight faculty members with interests in information security and privacy, social networking, business intelligence, health informatics, and data analytics. The curriculum evolves constantly, because informatics changes and develops rapidly and courses must therefore be modified to reflect those changes.

Informatics classes at ISU tend to be small, with an average of 25-45 students in core classes and 15-20 students in informatics courses. Unlike many universities, ISU classes are taught by professors, not teaching assistants. Professors are highly accessible and are dedicated to helping students align their educational goals with their career objectives.

**BUSINESS INFORMATICS**

Business informatics integrates applied computer science and business administration into a single field in order to develop strategic uses of information technology to address the challenges that businesses face. This rapidly growing area combines business strategy and computer technology, and applies to a wide range of industries.

Business informatics is ideal for students who enjoy working with technology, social media, and the Internet but also have an interest in the business world. ISU's Business Informatics major develops student expertise that is not limited to computing alone, but that also involves an understanding of the organizational mission and the core business strategies of an organization.

Majors will develop the skills to become leaders in corporations that are at the forefront of today's economy. Graduates can even go on to complete advanced degrees, whether in computer-related fields or in business.

**INFORMATICS DEMAND**

As technology plays an increasingly important role in almost every aspect of society, most businesses are seeking highly skilled informatics talent to support a wide range of technology initiatives.

Business informatics is a STEM major, and the demand for STEM workers is growing more rapidly than other areas. The US government predicts that the four top STEM jobs with the most growth will all be in computing.

For the foreseeable future of science, technology, engineering, and mathematics jobs in the US, more 3 out of 4 new job openings and nearly 3 out of 5 total job openings are going to be in computing!

**TUITION WAIVERS**

Informatics majors are qualified to receive Non-resident Tuition Waivers for Technology Majors, which are used to recruit top non-resident students to ISU. Any student majoring in Informatics is eligible to receive the in-state tuition rate.

The ICS department has joined the National Center for Women & Information Technology Academic Alliance to encourage more women to participate in computing and technology.