Program Overview
Today almost all for-profit and not-for-profit organizations rely on information systems. The Information Systems and Technology major provides individuals with the right set of skills to keep up with the continually changing landscape of the digital world. Through this major, you will experience a blend of courses that will enable you to deploy technology and manage information in ways that assure security, reliability, and efficiency. This major gives you the opportunity to specialize in the field of information systems and technology that most interests you.

Industry Facts
U.S. News and World Report’s “Best jobs of 2015 listed five IT careers in the top 20:

- Software Developer
- Information Security Analyst
- Database Administrator
- Web Developer
- Computer Systems Analyst

- In this decade, the openings for software developers specializing in applications are forecast to increase by 34%.
- From 2010 to 2020, the demand for database administrators is expected to grow faster than the average for all occupations. It is one of the fastest growing jobs in IT.
- From 2010 to 2020, experts expect huge growth in the mobile device market. Mobile application developer is one of the most in-demand jobs in the world. The demand for Web Developers is expected to grow 22%.
- In this decade systems software engineers are projected to have a 32% employment growth rate, and applications software engineers a 28% rate. Software engineer is another of the fastest growing careers in IT.

A Student Perspective
“The ISM courses are geared toward what employers want. I really feel that my knowledge and my degree will lead me to the type of job that I am looking for.”

Steve Wells
Information Systems

1. Core Course Requirements
   ISM 101 Software Development I
   ISM 102 Software Development II
   ISM 253 Information Technology Architecture
   ISM 342 Network Management
   ISM 409 Project Management
   ISM 496 Senior Seminar in Information Systems

2. Cognate Course Requirements
   BUS 216 Applied Statistics
   BUS 242 Management
   BUS 353 Managing Operations for Quality/ Productivity
   CMS 316 Business and Professional Communication
   PRE 231 History and Philosophy of Technology

3. Complete Requirements for an Emphasis (Choose one)

   **Software Development:**
   ISM 325 Software Engineering I
   IST 246 Data Structures and Algorithms
   IST 327 Mobile Application Design and Development
   IST 355 Web Application Design and Development

   **Infrastructure Support and Management:**
   IST 328 End User Support and Management
   ISM 358 Network Technology
   ISM 425 Network Administration
   ISM 426 Network Administration II

   **Systems Management:**
   ISM 215 Information Systems Theory and Practice
   ISM 315 Systems Analysis and Design
   ISM 316 Communication, Tech, and Org Behavior
   ISM 445 Modeling and Simulation

4. Electives: Complete two additional approved courses (minimum six (6) credits) in ISM or IST or GRD prefixed coursework at 200 level or above.

About the Lincoln Campus
At Doane College, you will join an institution where exceptional faculty, staff, students and alumni challenge themselves to achieve success and provide the best education for all students. The Doane College Lincoln campus is geared toward working adults, focusing on applied learning and practical experience that you can utilize in your work setting.

Contact Us
If you are up for the challenge and would like to learn more about the Doane College Lincoln campus, contact us for more information.

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