

INFORMATION ARCHITECTURE TRACK

OVERVIEW

Owned an iPhone/iPad? Used iCloud? Or Google Document? iCloud and Google Document are examples of cloud computing, one of the forces that are changing how companies and individuals own and use IT and making it a challenge to design and manage the overall IT architecture for businesses.

The Information Architecture (IA) track prepares students to design and implement information systems that support and enable business strategies and operations. The track addresses topics covering concepts such as usability (including accessibility, experience design, interaction design, and user interface design), information design (including information findability and content management), component-based design (including web services, services oriented architecture, process oriented architecture, and cloud computing), and enterprise systems. Students will be exposed to common packaged solutions and coached on best practices in adapting these solutions to a wide range of business problems. IA is one of four track options available in the Information Technology Major.

CAREER PATH

Organizations are relying on increasingly more complex information systems to compete and survive. With the emergence of new technologies such as cloud computing and Software as a Service (SaaS), organizations are in dire need of IT professionals who understand how to design, deploy, and manage an efficient IT architecture to support their information systems.

Students graduating from the IA track can seek employment from any organizations who seek to improve the efficiencies of their information systems. Students may assume job titles such as System Architect, System Analyst, Enterprise Architect, Cloud Solution Architect, Content Manager, and Data Architect.

TRACK REQUIREMENTS

Four courses to complete concentration (12 credits)

FOUR REQUIRED COURSES:

- IT 360 Enterprise Software
- IT 428L Information Security
- IT 460 Integration Methodologies and Tools
- IT 461L Systems Analysis and Design

<https://business.umb.edu/undergraduate-programs/new-students>