Applied Business Information Technology

Program Mission

The Bachelor of Applied Science in Applied Business Information Technology graduate is a technical person who is knowledgeable of many facets of information technology and is able to assimilate information technology skills.

The BAS in Applied Business Information Technology graduate will ...

Goal	Outcome
Lead and collaborate information systems project in a professional manner.	Lead cross-functional global teams, discuss globally distributed projects, and work effectively in diverse teams.
Negotiate with internal and external constituents when solving MIS problems.	Communicate with users about funding, resources of time, staff, and features; distinguish between providers regarding service levels; examine and illustrate with providers regarding quality and performance of deliverables; and facilitate negotiations between competing internal interests.
Apply analytical and critical thinking skills in the information systems environment.	Analyze the ethical and legal implications of complex situtations; analyze the risks associated with complex systems; solve complex problems; use quantitative analysis techniques appropriately and effectively; and enhance innovation and creativity in oneself and others.
Identify and design opportunities for IT-enabled organizational improvement.	Ensure alignment between IT strategy and organizational strategy; improve organizational processes with information technology solutions; understand and design the role of information systems in managing organizational risks and establishing controls; identify and exploit opportunities created by emerging technology innovations; understand and document information requirements; improve various stakeholders' experience in interacting with the organization, including issues in human-computer interaction.
Analyze and evaluate information systems sourcing alternatives.	Identify and design high-level solution and sourcing options; analyze and document the feasibility of various options; compare solution options using multiple decision criteria; create a financial justification for choosing between alternatives; and evaluate cultural differences for options that cross geographical boundaries.
Design and implement information systems solutions.	Design enterprise architectures; identify, evaluate, and procure detailed solution and sourcing options; configure and integrate organizational solutions using packaged solutions; design and implement solutions that provide a high-quality user experience; design secure systems and data infrastructures; design and implement applications; manage and explore organizational data and information; manage information systems development/procurement resources; and manage information systems projects.
Managing ongoing information technology operations.	Manage the use of enterprise technology resources; manage application performance and scalability; maintain existing information sytems; manage relationships with technology service providers; secure data and systems infrastructure; and ensure business continuance.
Synthesize business knowledge, practices and theories in generating and presenting a discipline specific project.	Deliver a professional presentation to an audience of MIS professionals and peers.

BAS BIT Program Guidelines

Guidelines for Bachelor of Applied Science (BAS) degree program:

- Students must have an AAS to be accepted into this program.
- Student must complete General Education requirements at MSU or another institution.
- There are special exceptions to MSU policy that apply only to North Dakota residents, who need only 42 credits from MSU to complete the degree.
- If a student has completed his/her AAS out of state, all regular MSU policies apply (meet MSU General Education requirements, 60 credits at 4-year institution and at least 30 credits from MSU).
- A minimum cumulative total of 120 credits is required to graduate.