

## MANAGEMENT INFORMATION SYSTEMS (MIS) MAJOR (18 credits)

2019 Catalog

The management information systems curriculum includes a 12-credit core, which covers the fundamental knowledge of programming, systems analysis and design, database, and project management, the primary building blocks of IT skills. This core is then complemented by four elective clusters corresponding to four major IT job categories: application development cluster, IT infrastructure and security cluster, business analytics cluster, and supply chain technology cluster. This curriculum will allow students to be better equipped with a focused set of knowledge and skills to meet the specific job requirements. Equally important, this curriculum gives students the freedom to choose and build their knowledge and skill set targeting one or more job types of their interests.

### Required Courses (12 Credits)

MIS 307	Intermediate Business Programming
MIS 310	Information Systems Analysis
MIS 320	Database Management Systems
MIS 340 (SCM 340)	Project Management

### Prerequisite(s)

MIS/COM S 207* or COM S 227, Credit or enrollment in MIS 301
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### Elective Courses (6 Credits)

Select 6 credits of MIS department courses, **OR** select one of the MIS elective CLUSTERS described below.

#### Application Development Cluster

MIS 407	Advanced Business Programming	MIS 307
MIS 447	Information Systems Development	MIS 301, MIS 310

#### Business Analytics Cluster

MIS 436	Introduction to Business Analytics	MIS 320
MIS 446	Advanced Business Analytics	MIS 320

#### IT Infrastructure and Security Cluster

MIS 435	Information Systems Infrastructure	MIS 301
MIS 445	Enterprise Systems and Architecture	MIS 301

#### Supply Chain Technology Cluster

MIS 440 (SCM 440)	Supply Chain Information Systems	MIS 301, SCM 301
MIS 450 (SCM 450)	Enterprise Resource Planning in Supply Chain	MIS 301, SCM 301; or IE 148, 341

#### Other MIS courses

MIS 315X (ACCT 315X)	Business Data Streams and Issues	ACCT 284, MIS 301
MIS 368 (MKT 368)	Spreadsheet Based Marketing Models	MKT 340
MIS 495	Case Practicum	MIS 301

\*MIS 207 (COM S 207 or 227) is a required course and should preferably be taken in the freshman or sophomore year.

#### Other Graduation Requirements (for full degree requirements see your degree audit or the curriculum guide):

1. Minimum of 122 credits total;
2. 42 credits of 300-level or higher coursework from a four-year school;
3. Grade of "C" or better in ENGL 250 required, and in two of the three required English courses;
4. Grade of "C" or better in at least 30 credits of business core and major;
5. 50% of required business courses must be earned at ISU;
6. The last 32 credits for a degree must be taken at ISU; exceptions for study abroad and internship may be requested;
7. All 300-level and higher business credits must be earned at a four-year college;
8. Cumulative ISU grade point average of at least 2.0 with no quality point deficiencies;
9. Multiple business **majors** must have at least 15 distinct credits in each; when applicable, one course can be shared between business majors; see your adviser regarding multiple business **degree requirements**.