Management Information Systems (MIS)

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Management Information Systems (MIS)

- Operates at the intersection of **business & information technology**
- Helps organizations **solve business problems & pursue business opportunities** using information technology
- Focuses on the **informational** component of business products, services or processes
MIS is **central** to business

Business functions need information. MIS professionals deliver it.
MIS bridges **business** & **technology**

Business processes need information technology. MIS professionals deliver it.
MIS is about **technology for business**

<table>
<thead>
<tr>
<th></th>
<th>MIS</th>
<th>CIS</th>
<th>CPS</th>
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</thead>
<tbody>
<tr>
<td><strong>Focus</strong></td>
<td>Business</td>
<td>Software</td>
<td>Technology</td>
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<tr>
<td><strong>Objective</strong></td>
<td>More efficient or effective business</td>
<td>Reliable computer program</td>
<td>Better computer technology</td>
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<tr>
<td><strong>Core task</strong></td>
<td>Determine business requirements for information systems</td>
<td>Deliver information systems to meet defined requirements</td>
<td>Design software and hardware tools needed to meet requirements</td>
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<tr>
<td><strong>Starting job title</strong></td>
<td>Business systems analyst</td>
<td>Application Programmer</td>
<td>System Programmer or Chip Designer</td>
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<tr>
<td><strong>Career goals</strong></td>
<td>Senior organizational manager</td>
<td>Programming manager</td>
<td>Manager or architect of particular technology</td>
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MIS majors learn how to...

- Work with people & information technology
- Use consulting skills to serve organizations
- Bridge between technology & business
- Create and implement business solutions using information technology
MIS majors study interesting things...

- **Business Core Courses**
  - Accounting
  - Marketing/Management
  - MIS/Operations
  - Economics/Finance

- **MIS Core Courses**
  - Database
  - Systems Analysis & Design
  - Project Management

- Optional choices within the curriculum
  - Business Intelligence
  - Cyber Security
  - Other majors/minors in our department or the SBA
MIS majors do interesting things with what they learn...

- MIS Senior Project
  - Live Consulting Project
  - Supervised by Faculty
  - Live Clients; Real Issues

- Recent Senior Project Firms
  - Caresource
  - Mikesells
  - Teradata
  - UC Health System
  - Paycor
  - Dayton Power & Light
  - Premier Health Partners
  - Speedway
MIS graduates earn great pay
(Starting salary for recent UDMIS grads, from SBA data)

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tbody>
<tr>
<td>Low</td>
<td>41,000</td>
<td>30,000</td>
<td>40,000</td>
<td>50,000</td>
</tr>
<tr>
<td>High</td>
<td>63,000</td>
<td>61,500</td>
<td>73,000</td>
<td>85,000</td>
</tr>
<tr>
<td>Average</td>
<td>54,050</td>
<td>51,625</td>
<td>58,454</td>
<td>61,688</td>
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Historically, MIS starting salaries have been among highest in SBA.

A study by Temple university has the national average MIS starting salary at $57,817 (higher than most business majors). The national average salary for IS graduates and placement rate at graduation as 80%.
MIS graduates work for great firms (MIS entry-level position placements)
MIS graduates fill many roles (Entry-level job titles)

- Business Analyst
- Business IT Consultant
- Systems Analyst
- Business IT Development Project Leader
- Database Administrator
- Systems Developer
- Database Analyst
- Web Developer
- Network Administrator
- Technical Support Specialist
- Information Security / IT Audit Specialist
MIS graduates have opportunities for advancement in business

- Information Systems Manager
- Director of Information Systems
- Chief Information Security Officer (CISO)
- Chief Information Officer (CIO)
- Chief Technology Officer (CTO)
- Chief Executive Officer (CEO)
MIS is a great second major or minor...

- MIS goes very well with...
  - Accounting
  - Finance
  - Marketing
  - Operations
  - Entrepreneurship
- ...and others...

- MIS Major
  - Designed for flexibility
  - Facilitates double-majors & minors
- MIS Minor
  - Also designed for flexibility
  - Fewer additional hours for business majors
How do I learn more...

- Enroll in MIS 220
  - One credit hour
  - Five week course in Fall and Spring terms
    - Meets once per week, scheduled in evenings
    - Usually on Mondays mid-semester
  - Field trips and dinner for students
  - Pass/Fail grading
- Contacts
  - Jay Prasad – prasad@udayton.edu
  - Steve Hall – shall2@udayton.edu
UDMIS faculty contacts

- **Faculty**
  - Dr. Harv Enns – enns@udayton.edu
  - Mr. Steve Hall – shall2@udayton.edu
  - Dr. Merete Hvalshagen - mhvalshagen1@udayton.edu
  - Dr. Jay Prasad – prasad@udayton.edu
  - Dr. Roopa Raman – rraman1@udayton.edu
  - Dr. Dave Salisbury – salisbury@udayton.edu
  - Dr. Donald Wynn – wynn@udayton.edu

- **Student Involvement & Annual Events**
  - UD MIS Club
  - MIS professional networking lunches & receptions
  - MIS Senior Project day
Still looking?

- Consider UDMIS –
  - Solve business problems
  - Work with people and technology
  - Learn all aspects of how businesses work
  - Apply what you learn in real settings
  - …and be well-paid to do so
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