Visual Guide to the CIS Minor

Introductory Core
All minors take a course about the history and social impact of technology and two introductory implementation courses.

- CIS 100: IT & Society
- CIS 112: Database Concepts
- CIS 220: Object-Oriented Programming
- CIS 275: Web Design
- CIS 280: Scripting Languages

Note that there is no need to complete your introductory core courses before taking electives. In fact, many minors take courses like CIS 271 or CIS 241 as their first course before proceeding with the core.

Take Two of These

- CIS 245: Information Visualization
- CIS 265: Digital Video
- CIS 271: Digital and Social Media
- CIS 275: Web Design
- CIS 301: Human Computer Interaction
- CIS 361: Digital Imaging
- CIS 375: Advanced Web and Mobile Development

Electives
Students take a mix of constrained and free electives. At least one of these must be at the 300-level or higher.

- Design and Interaction
  - CIS 245: Information Visualization
  - CIS 265: Digital Video
  - CIS 271: Digital and Social Media
  - CIS 275: Web Design
  - CIS 301: Human Computer Interaction
  - CIS 361: Digital Imaging
  - CIS 375: Advanced Web and Mobile Development

- Analysis and Modeling
  - CIS 230: Artificial Intelligence
  - CIS 241: Data Mining
  - CIS 245: Information Visualization
  - CIS 310: Systems Analysis
  - CIS 320: Data Structures
  - CIS 335: Information Security
  - CIS 341: Numerical Computation

CIS Elective

Specific offerings of the topics courses CIS 297 and CIS 397 may also count towards various CIS distribution requirements.

Catalog Text: Six courses, including CIS 100, two of CIS 112, 220, 275, or 280, one additional course designated Design and Interaction, and one additional course designated Analysis and Modeling. At least one of these six courses must be at the 300-level or higher.

Advising: While minors do not have official academic advisors within the department, they are encouraged to consult with one of the CIS faculty in planning their coursework.

Key:
- : Required Course
- : Select One Course
- : Any CIS Course