Introductory Core All students take these, and upper level offerings draw on these as prerequisites. CIS 100/115: IT & Society CIS 112: Database Concepts CIS 220: Object-Oriented Programming CIS 271: Digital and Social Media

Electives

Students take a mix of constrained and free electives. A minimum of three of these must be at the 300-level or higher,

CIS Elective

Any CIS course at any level may be used here.

User Needs

CIS 301: Human Computer Interaction CIS 310: Systems Analysis

Coding and Production

CIS 265: Digital Video CIS 275: Web Design CIS 280: Scripting Languages CIS 320: Data Structures CIS 343: Adv. Data Analysis: Simulations CIS 345: Adv. Data Analysis: Networks CIS 361: Digital Imaging CIS 375: Advanced Web and Mobile Development

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 343: Adv. Data Analysis: Simulations CIS 345: Adv. Data Analysis: Networks

Analysis and Modeling

Design and Interaction

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

CIS Elective Any CIS course at any level

Visual Guide to the CIS Major

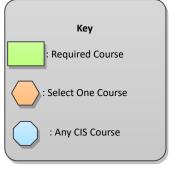
Catalog Text: 11 CIS courses, including CIS 100, 112, 220, 271, either CIS 301 or CIS 310, and CIS 400 (the capstone experience). In addition, students must take at least one additional course with each of the following designations: Coding and Production, Design and Interaction, and Analysis and Modeling. At least four of the eleven total courses must be at the 300-level or higher.

Capstone Experience

Students should plan on taking this course in the spring of their senior year.

CIS 400: Service-Learning **Project Management**

may be used here.



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