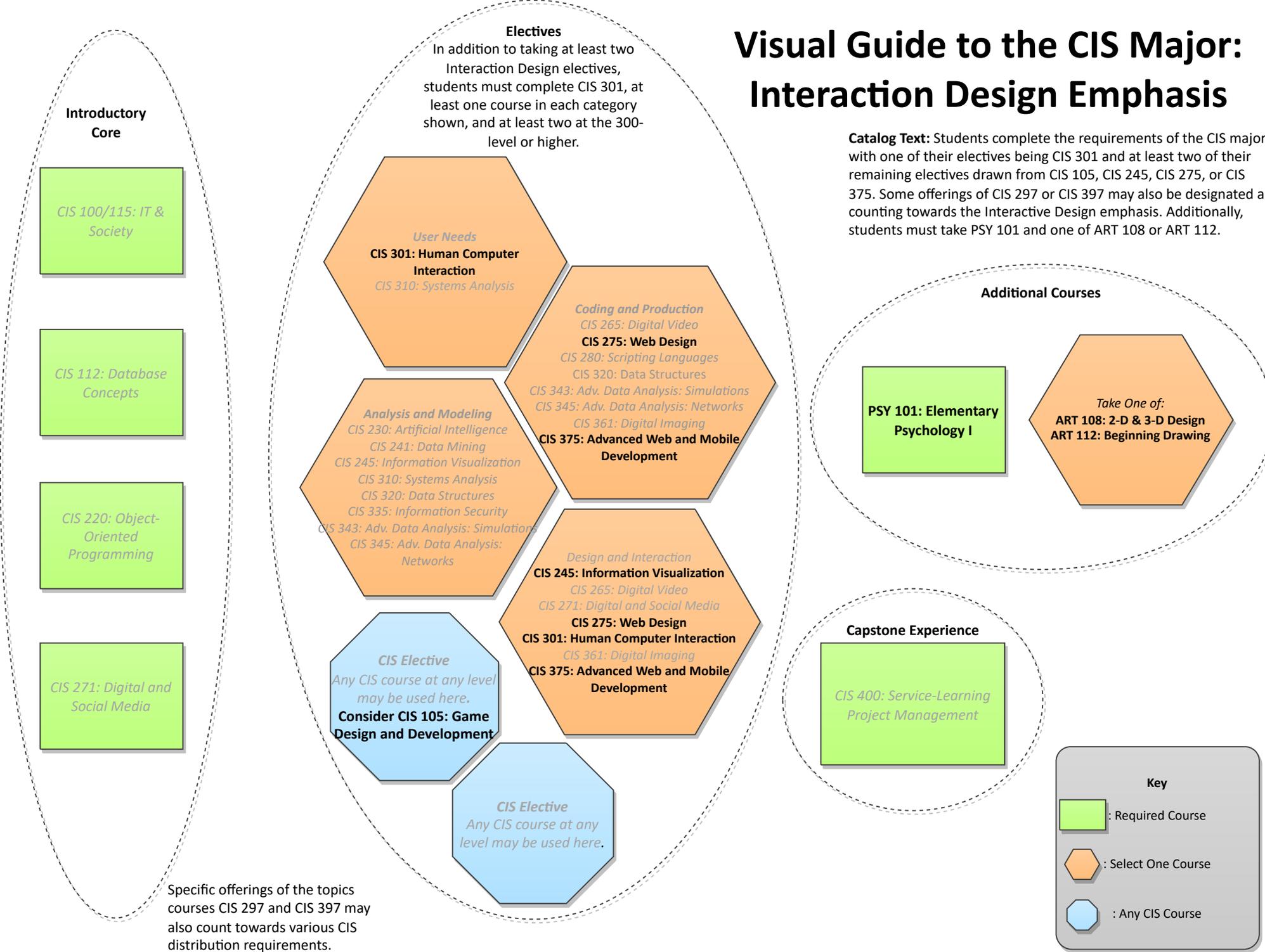


# Visual Guide to the CIS Major: Interaction Design Emphasis

**Catalog Text:** Students complete the requirements of the CIS major, with one of their electives being CIS 301 and at least two of their remaining electives drawn from CIS 105, CIS 245, CIS 275, or CIS 375. Some offerings of CIS 297 or CIS 397 may also be designated as counting towards the Interactive Design emphasis. Additionally, students must take PSY 101 and one of ART 108 or ART 112.



### Introductory Core

*CIS 100/115: IT & Society*

*CIS 112: Database Concepts*

*CIS 220: Object-Oriented Programming*

*CIS 271: Digital and Social Media*

### Electives

In addition to taking at least two Interaction Design electives, students must complete CIS 301, at least one course in each category shown, and at least two at the 300-level or higher.

*User Needs*  
**CIS 301: Human Computer Interaction**  
*CIS 310: Systems Analysis*

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

*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 Elective*  
*Any CIS course at any level may be used here.*  
**Consider CIS 105: Game Design and Development**

*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**

*CIS Elective*  
*Any CIS course at any level may be used here.*

### Additional Courses

**PSY 101: Elementary Psychology I**

*Take One of:*  
**ART 108: 2-D & 3-D Design**  
**ART 112: Beginning Drawing**

### Capstone Experience

*CIS 400: Service-Learning Project Management*

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

**Key**

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