

D.S. in Information and Interaction Design

This 48-credit program requires:

Core Courses (12 credits)

- Interaction and Interface Design (IDIA 612)
- Humans, Computers and Cognition (IDIA 640)
- Proseminar (IDIA 810)
- Methods for User Research (IDIA 842)

Working with a doctoral adviser, you will choose appropriate graduate-level courses to fulfill the following course, special topics and project requirements.

Practical Skills Courses (9 credits)

Choose three advanced courses from the following areas. *One of these courses must be IDIA 616: Designing for Mobile Web, IDIA 618: Dynamic Websites or IDIA 619: Interactive Multimedia.*

- **Graphic Design/Videography**
 - Typography I (PBDS 615)
 - Information Design (PBDS 647)
 - Motion Graphics for Interactive Media (PBDS 670)
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- **Interaction and Information Design**
 - Designing for Mobile Web (IDIA 616)
 - Dynamic Web Sites (IDIA 618)
 - Interactive Multimedia (IDIA 619)
 - Information Architecture (IDIA 630)
 - Topics in Advanced Information Architecture (IDIA 730)
 - Databases (INSS 651)

Areas of Focus (9 credits)

Select three courses from one of the following areas:

- **Government/Public-Sector Applications**
 - Innovations in Public Management (PUAD 625)
 - Information Resource Management (PUAD 626)
 - Public Information Management: Organizational and Policy Issues (PUAD 780)
 - Information Technology: Public-Sector Applications (PUAD 781)
 - Business Process Re-engineering in the Public Sector (PUAD 789)
 - Advanced Information Resource Management (PUAD 812)*
* course requires completion of a prerequisite course
- **Interaction Design for New Media**
 - Sequential Visualization and Analysis (IDIA 614)
 - Social Media for Organizations (IDIA 622)
 - Topics in Advanced Interaction Design (IDIA 712)
 - Advanced Information Architecture (IDIA 730)

- Design-Business Link (PBDS 670)
- Writing for Digital Environments (PBDS 792)
- **Educational Applications (offered at Towson University)**
 - Web-based Instruction in Education (ISTC 605)*
 - Theory & Design of Computer-based Instruction (ISTC 635)*
 - Multimedia Design (ISTC 655)
 - Applied Psychology of Learning (ISTC 663)*
 - Instructional Development (ISTC 667)*
 - Computer-based Instruction (ISTC 687)*
 - Theory & Design of Computer-based Instruction (ISTC 689)*

** ISTC 541: Foundations in Instructional Technology is the prerequisite for most of the courses at Towson. This course does **not** count toward the 48 credits required for the D.S. degree.*
- **User Research**
 - Research Methods for Interaction Design (IDIA 642)
 - Topics in Advanced User Research (IDIA 742)
 - The Biological Basis of Behavior (APPL 601)
 - Learning and Cognition (APPL 603)
 - Intermediate Statistics for the Behavioral Sciences (APPL 631)
 - Research Methods for Applied Psychology (APPL 632)

Electives (6 credits)

Project-Related Work (12 credits)

- D.S. Project, 12 credits (IDIA 899)