Information Systems (BS)

Major Academic Advisor: Gary DiLisio (PH 222F); Coordinator of Academic Programs: Susan Miller (PH 222)

The Information Systems (IS) Program at Carnegie Mellon University is an internationally recognized undergraduate major for students who want to design and implement effective solutions to meet organizational and management needs for information and decision support.

IS majors study the organizational, technological, economic and societal aspects of information systems. Students completing the program are grounded in the fundamentals of organization theory, decision making, teamwork and leadership, and research methods as well as current and emerging information systems technologies.

Within the major, students explore their own interests in one of twelve contemporary content areas:

- Animation and Special Effects
- Business/Enterprise Systems
- Computing and Information Systems & Technology
- Entrepreneurship for Creative Industries
- Game Design
- Intelligent Environments
- Learning Media
- Media Design
- Physical Computing
- Social and Global Systems
- Sound Design
- Quantitative Analysis

This is a suggested schedule for the first 2 years for a Primary Major. The remainder of the Major and GenEd can be completed in the junior and senior year.

1st semester (51 units)
- Complete 2: 76-101, Interpretation & Argument
  79-104, Global Histories
  36-201, Statistical Reasoning*
  Freshman Seminar
- 99-101 or 99-102, C@CM
- Calculus***
- 15-110, Principles of Computing
- 67-100, IS Freshman Workshop
- xx-xxx, Elective**

2nd semester (49 units)
- Complete 2: 76-101, Interpretation & Argument
  79-104, Global Histories
  36-201, Statistical Reasoning*
  Freshman Seminar
- 15-112, Fndmtls. of Pgmg & CS
- 67-250, The Info. Systems Milieux

3rd semester (46 units)
- 15-121, Intro. to Data Structures
- 67-262, Database Design & Dev.
- Info. Systems Disciplinary Core
- xx-xxx, Elective**
- xx-xxx, Elective**

4th semester (45 units)
- 67-272, Database Design & Dev.
- Info. Systems Disciplinary Core
- xx-xxx, Elective**
- xx-xxx, Elective**
- xx-xxx, Elective**

*Acceptable equivalents for 36-201 are: 36-207, 36-247 or 36-220
**Elective: This space can be used for a pre-requisite course, another GenEd course or for a course you are interested in.
***Complete one of these calculus sequences: (21-111 & 21-112) or (21-120 & 21-122) or (21-120 & 21-256).

This is a “by admission” only major. Students who want to study IS must apply for transfer into the major. It is only available as a primary major.

Academic Advisory Center (9/3/2015)