Informatics, Minor

The minor in informatics prepares students to understand the relationship between information technology and people. The finance, movie, journalism, and pharmaceutical industries are just a few examples of where the use of innovative information technology has radically changed our world, in terms of what is now possible, how humans perform their jobs, and how society has critically reacted and adapted to new realities brought forth by information technology use. Students in the minor learn how existing technologies shape human behavior, society and culture, and are introduced to techniques that will enable them to design future technologies that better fit human and organizational practices.

The minor is ideally suited for students in programs such as film and media studies, education sciences or social policy, and public service, where information technology is an integral part of the profession, but not necessarily the primary focus.

The minor includes course work covering a variety of topics, including programming, software engineering, human computer interaction, and social analysis of computerization. Students completing the minor will gain practical experience in designing and building small software systems, creating novel user interfaces, and examining how information technology affects those around it.

The minor offers flexibility in the courses that students choose to take, and does not require prior programming experience. The minor does have a technical underpinning, however, with core courses that teach students how to program software.

A. Select one of the following series:	
I&C SCI 31- 32- 33	Introduction to Programming and Programming with Software Libraries and Intermediate Programming
or	
I&C SCI 32A- 33	Python Programming and Libraries (Accelerated) and Intermediate Programming
B. Complete:	
IN4MATX 43	Introduction to Software Engineering
IN4MATX 131	Human Computer Interaction
IN4MATX 161	Social Analysis of Computing
and at least two additional upper-division courses in Informatics.	

NOTE: A maximum of two courses can be taken Pass/Not Pass toward a minor. Bren School majors should refer to the Majors/Minors Restrictions *Catalogue* section before attempting to minor in Digital Information Systems, Health Informatics, or Informatics. Students who are considering a major in Informatics must complete the major requirements for a letter grade.

- Digital Information Systems, Minor
- Game Design and Interactive Media, B.S.
- Health Informatics, Minor
- Informatics, B.S.
- Informatics, M.S.
- Informatics, Ph.D.
- Master of Human Computer Interaction and Design
- Master of Software Engineering
- Software Engineering, M.S.
- Software Engineering, Ph.D.