Twin Cities Campus

Information Technology Minor
Computer Science and Engineering Administration
College of Science and Engineering

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2018
- Required credits in this minor: 17 to 19

This interdisciplinary minor requires at least 17 credits, including two core courses from the College of Science and Engineering, and three breadth courses from the Colleges of Liberal Arts or Design. The minor enables students in non-technical disciplines to supplement their major with a practical set of courses focused on information technology.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Minor Courses
 Preferred Sequence
   CSCI 1103 - Introduction to Computer Programming in Java (4.0 cr)
   CSCI 1001 *{Inactive}*[MATH, TS] (4.0 cr)
 or **Alternative sequence 1**
   CSCI 1103 - Introduction to Computer Programming in Java (4.0 cr)
   CSCI 1913 - Introduction to Algorithms, Data Structures, and Program Development (4.0 cr)
 or **Alternative sequence 2**
   CSCI 1113 - Introduction to C/C++ Programming for Scientists and Engineers (4.0 cr)
   CSCI 1913 - Introduction to Algorithms, Data Structures, and Program Development (4.0 cr)
 or **Alternative sequence 3**
   CSCI 1133 - Introduction to Computing and Programming Concepts (4.0 cr)
   CSCI 1933 - Introduction to Algorithms and Data Structures (4.0 cr)

Breadth Courses
 Some of the courses below have prerequisites or require instructor permission. Please see the course catalog or a Department of Computer Science and Engineering advisor for more information.
 Take 3 or more course(s) from the following:
- COMM 3201 - Introduction to Electronic Media Production (4.0 cr)
- COMM 3211 - Introduction to Media Studies (3.0 cr)
- COMM 4235 - Electronic Media and Ethnic Minorities--A World View (3.0 cr)
- COMM 4291 - New Telecommunication Media (3.0 cr)
- GDES 2342 - Web Design (3.0 cr)
- GDES 4371 - Data & Information Visualization (3.0 cr)
- GDES 5341 - Interaction Design (3.0 cr)
- GDES 5342 - Advanced Web Design (3.0 cr)
- GDES 5372 *{Inactive}*(3.0 cr)
- GDES 5383 - Digital Illustration and Animation (3.0 cr)
- GEOG 3561 - Principles of Geographic Information Science (4.0 cr)
- GEOG 5563 - Advanced Geographic Information Science (3.0 cr)
- GEOG 5564 - Urban Geographic Information Science and Analysis (3.0 cr)
- JOUR 3004 - Information for Mass Communication (3.0 cr)
- JOUR 3551 - The Business of Digital Media: Innovation, Disruption, and Adaptation [TS] (3.0 cr)
- JOUR 3552 - Technology, Communication & Global Society [GP] (3.0 cr)
- JOUR 3614 - History of Media Communication [HIS, TS] (3.0 cr)
- JOUR 3776 - Media Law (3.0 cr)