



WESTERN  
ILLINOIS  
UNIVERSITY

# Computer Science Minors

18 semester hours

2007-2008



## Traditional Minor

This minor focuses on the basic principles of the science of working with computers by learning programming concepts.

Required:

- CS 211 & CS 212 (Principles of Computer Science I & Basics of Java)
- CS 214 (Principles of Computer Science II)
- CS 350 (Data Structures I)

Choose **three** courses from the following with **one** of the courses being 3/400 level:

CS 101 (Introduction to Computers I)  
 CS 102 (Introduction to Computer II)  
 CS 220 (Introduction to COBOL)  
 CS 230 (External Files)  
 CS 225 (Programming for Engineering)  
 CS 300 (Introduction to Digital Circuits)  
 CS 301 (Spreadsheet Applications)  
 CS 302 (Spreadsheet and Database Applications)  
 CS 305 (Introduction to Computer Forensics)  
 CS 310 (Computer Organization I)  
 CS 315 (E-Commerce Technology)  
 CS 351 (Data Structures II)  
 CS 365 (Graphics)  
 CS 371 (Unix)  
 CS 455 (Computer System Security)  
 CS 440 (Ethics in Information Tech)  
 CS 483 (Database Applications)  
 CS 484 (Networking)  
 CS 488 (Visual Basic)

## Microcomputer Applications Minor

This minor focuses on applications. It is excellent for students who want to use computers in careers other than Computer Science.

Required:

- CS 101 (Introduction to Computers I)

Choose one of the follow application options:

- CS 301 (Spreadsheet Applications) and CS 483 (Database Applications)
- CS 302 (Spreadsheet and Database Applications) and CS 315 (E-Commerce Technology)

Choose **one** of the following programming courses:

- CS 211 & 212 (Principles of Computer Science I & Basics of Java)
- CS 220 (Introduction to COBOL)
- CS 488 (Visual Basic)

Choose the remaining **two** courses from the following:

CS 102 (Introduction to Computer II)  
 CS 230 (External Files) (requires CS 220)  
 CS 300 (Introduction to Digital Circuits)  
 CS 305 (Introduction to Computer Forensics)  
 CS 365 (Graphics)  
 CS 440 (Ethics in Information Tech)  
 CS 455 (Computer System Security)  
 CS 484 (Networking)

\*\*\*Please check with an advisor or course catalog for necessary prerequisites\*\*\*