

## **Computer & Information Science**

<u>Overview</u>

Academics & Admissions

**Programs** 

<u>Minors</u>

<u>Courses</u>

Faculty

## Courses

- Engr 654: Information Systems Principles
- Engr 660: Software Engineering II
- Engr 661: Computer Networks II
- <u>CIS 111: Computer Science I</u>
- <u>CIS 112: Computer Science II</u>
- <u>CIS 113: Honors Computer Science I</u>
- <u>CIS 211: Computer Science III</u>
- <u>CIS 251: Programming for Engineering and Sciences</u>
- <u>CIS 256: Programming in Python</u>
- <u>CIS 333: Digital Design and 3D Printing</u>
- <u>CIS 356: Data Structures in Python</u>
- <u>CIS 427: Network Security</u>
- <u>CIS 447: Immersive Media</u>
- Csci 103: Survey of Computing
- Csci 111: Computer Science I
- <u>Csci 112: Computer Science II</u>
- Csci 113: Honors Computer Science I
- <u>Csci 191: Office Applications</u>
- <u>Csci 192: Computing Applications</u>
- <u>Csci 193: Personal Computer Systems</u>
- <u>Csci 203: Introduction to Computational Media</u>
- Csci 211: Computer Science III
- <u>Csci 223: Computer Org. & Assembly Language</u>
- <u>Csci 251: Programming for Engineering and Sciences</u>
- Csci 256: Programming in Python
- Csci 259: Programming in C++
- <u>Csci 300: Social Responsibility in Comp. Science</u>
- Csci 305: Software for Global Use
- Csci 311: Models of Computation
- Csci 323: Systems of Programming
- <u>Csci 325: Foundations of Computer Security</u>
- <u>Csci 333: Digital Design and 3-D Printing</u>
- <u>Csci 343: Fundamentals of Data Science</u>
- Csci 345: Information Storage and Retrieval
- Csci 353: Introduction to Numerical Methods
- Csci 354: Web Programming
- Csci 356: Data Structures in Python
- <u>Csci 361: Introduction to Computer Networks</u>
- <u>Csci 387: Software Design and Development</u>
- <u>Csci 390: Special Topics in Programming</u>
- <u>Csci 391: Computer Graphics</u>
- <u>Csci 405: Computer Simulation</u>
- <u>Csci 423: Introduction to Operating Systems</u>
- <u>Csci 425: Code Generation and Optimization</u>
- <u>Csci 426: System Security</u>
- Csci 427: Network Security
- <u>Csci 431: Robotics Programming</u>
- <u>Csci 433: Algorithm and Data Structure Analysis</u>

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- <u>Csci 443: Advanced Data Science</u>
- <u>Csci 444: Information Visualization</u>
- Csci 447: Immersive Media
- Csci 450: Organization of Programming Languages
- <u>Csci 458: Mobile Application Development</u>
- <u>Csci 475: Introduction to Database Systems</u>
- <u>Csci 487: Senior Project</u>
- Csci 490: Special Topics
- <u>Csci 491: Special Topics in Computer Security</u>
- <u>Csci 492: Special Topics in Data Science</u>
- <u>Csci 500: Fundamental Concepts in Computing</u>
- <u>Csci 501: Fundamental Concepts in Systems</u>
- Csci 502: Fundamental Concepts in Algorithms
- Csci 503: Fundamental Concepts in Languages
- Csci 517: Natural Language Processing
- <u>Csci 520: Formal Theory of Computer Languages</u>
- <u>Csci 521: Computer Systems Engineering</u>
- <u>Csci 523: Operating Systems</u>
- Csci 524: Distributed Operating System Design
- <u>Csci 525: Compiler Construction</u>
- <u>Csci 526: Parallel Computing</u>
- Csci 530: Computer Architecture and Design
- <u>Csci 531: Artificial Intelligence</u>
- Csci 533: Analysis of Algorithms
- <u>Csci 541: Expert Systems and Logic Programming</u>
- Csci 543: Data Mining
- Csci 547: Digital Image Processing
- <u>Csci 550: Program Semantics and Derivation</u>
- <u>Csci 551: Computer System Performance Analysis</u>
- <u>Csci 554: Web Architecture and Programming</u>
- Csci 555: Functional Programming
- Csci 556: Multiparadigm Programming
- Csci 557: GPU Computing
- <u>Csci 561: Computer Networks</u>
- <u>Csci 562: Software Engineering I</u>
- Csci 575: Database Systems
- <u>Csci 581: Special Topics in Computer Science I</u>
- <u>Csci 582: Special Topics in Computer Science II</u>
- Csci 632: Machine Learning
- Csci 658: Software Language Engineering
- <u>Csci 663: Software Families</u>
- <u>Csci 665: Wireless and Sensor Networks</u>

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