Computer Science

"Inspiring minds to solve complex computing problems."

Complete
1
Application

Take
8
Prerequisite
Courses

+

Take
10
Upper-level
Courses

+

Complete
1
Application
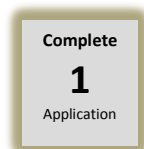
- ☐ Earn at least 2.5 GPA on first 30 credit hours
- ☐ Prepare a list of personal strengths/ improvement areas

Write a rationale statement for selecting area of emphasis
- ☐ Complete the online application at the CS website: http://www.uwgb.edu/compsci
- ☐ Gain acceptance from advisor

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8
Prerequisite
Courses
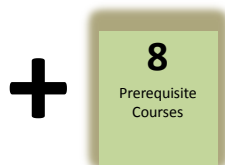
- ☐ COMM 133 – Fundamentals of Public Address (F,S)
- ☐ COMM 166– Fundamentals of Interpersonal Communication (S)
- ☐ COMP SCI 201 – Introduction to Computing and Internet Technologies (F,S)
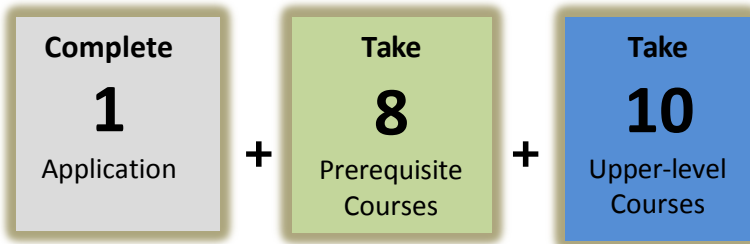- ☐ COMP SCI 221-Database Design & Management (F)

- ☐ COMP SCI 232- Intro to Mobile Platforms and Apps (F)
- ☐ COMP SCI 240- Discrete Mathematics (F,S)
- ☐ COMP SCI 256- Introduction to Software Design (F,S)
- ☐ MATH 260- Introductory Statistics (F,S)

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Take
10
Upper-level
Courses
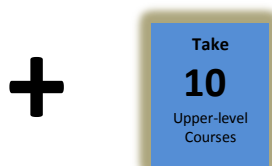
Software Engineering Emphasis:
- ☐ IS 308- Information Technologies (F,S)
- ☐ CS 316- Adv. Software Design (F,S)
- ☐ CS 351- Data Structures (S)
- ☐ CS 353- Computer Architecture and Organization (F)
- ☐ CS 357- Theory of Programming Languages (F)
- ☐ CS 371- Advanced Object-Oriented Design (F,S)
- ☐ CS 372- Software Engineering (S)
- ☐ CS 450- Theory of Algorithms (S)
- ☐ CS 464- Artificial Intelligence (F)
- ☐ Plus 3 credits upper level COMP SCI, INFO SCI or COMM

Information Assurance and Security Emphasis:
- ☐ IS 308- Information Technologies (F,S)
- ☐ CS 316- Adv. Software Design (F,S)
- ☐ CS 351- Data Structures (S)
- ☐ CS 353- Computer Architecture and Organization (F)
- ☐ CS 358- Data Communication and Computer Networks (S)
- ☐ CS 361- Information Assurance and Security (F)
- ☐ CS 371- Advanced Object-Oriented Design (F,S)
- ☐ CS 452- Operating Systems Using Linux (S)
- ☐ CS 490- Capstone Essay in Computer Science (S)
- ☐ Plus 3 credits upper level COMP SCI, INFO SCI OR COMM

***Elective Course:** For all emphases, students must choose one elective course (3 credits), any upper level course is sufficient. This course must be in COMM, COMP SCI, or INFO SCI.

F: Fall
S: Spring