Computer Science

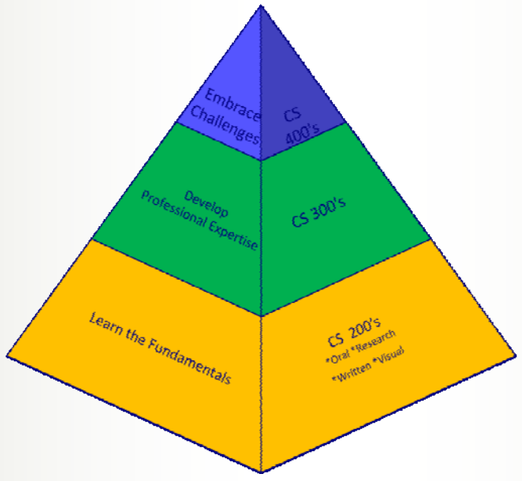
Area of Emphasis - Course Requirements

Software Engineering:

- IS 308 - Information Technologies (F,S)
- CS 316 - Advanced 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:

- IS 308 - Information Technologies (F,S)
- CS 316 - Advanced 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



Computer Science Graduate Careers

Software Engineer	Web Designer
Software Developer	Game Developer
Software Designer	Middleware Developer
Business Analyst	OS Developer
Systems Engineer	Embedded Software Engineer
BI Application Engineer	Embedded Systems Engineer
QA Engineer	Information Security Analyst
QA Tester	Cybersecurity Analyst
IT Professional	Software Security Analyst
Computer Consultant	Penetration Tester
IS Professional	Web Security Analyst
IT Project Manager	AI Programmer
Web Developer	
Backend Developer	
Frontend Developer	

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UWGB CS

UW– Green Bay Computer Science Department

"Inspiring minds to solve complex computing problems across a wide range of computing disciplines in computer science, including software engineering, information assurance and security".

University of Wisconsin Green Bay

Computer Science

UW GREEN BAY COMP SCI

Complete 1 Application

- Earn at least 2.5 GPA on first 30 credit hours
- Prepare a list of personal strengths/ improvement areas
- Craft a personal resume
- Write a rationale statement for selecting area of emphasis
- Complete the online application at the Computer Sciences website
- Gain Acceptance from Chair/Advisor

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8 Prerequisite Courses

- COMM 133 – Fundamentals of Public Address (F, S)
- COMM 166 – Fund. Of Interpersonal Comm. (S)
- COMP SCI 201 - Intro 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 – Intro to Software Design (F,S)
- MATH 260 - Introductory Statistics (F, S)

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Take 10 Upper-level Courses

...in your area of emphasis:

Software Engineering

Advisor: Benjamin Geisler, M.S.

Information Assurance and Security

Advisor: Dr. Ankur Chattopadhyay