

COMPUTER INFORMATION SYSTEMS > WEB SPECIALIST

Do you spend a good part of your day on the web and want to turn that passion for understanding the internet into a career? If so, consider the Web Specialist degree program at Wayne State College. You'll learn principles and concepts of computing along with organizational and business concepts. You'll gain practical skills in the areas of computer programming, website development, e-commerce, systems development, social media, hardware, operating systems, and databases. You'll be able to work independently, as well as in groups across a range of diverse situations. With a Computer Information Systems degree, you'll be ready for a wide variety of careers in the information technology sector. Or, you can choose a more specific path in areas related to web and online services, website development, or user interface (UI) and application development.

fast facts

Hours:

57 hours for concentration
30 hours in general education

At least 120 hours are required for graduation from Wayne State College. You may add a second major, minor, or electives to help meet these requirements.

Degrees offered: B.A. or B.S.

Department: Computer Technology and Information Systems

School: Business and Technology

Internship: Encouraged but not required

Popular minors: Geospatial Technology, Graphic Design, Business Administration, Web and Mobile App Development

focus on results

Skills Learned

- Advanced web design
- Scripting languages
- Object-oriented programming
- Internet and web technology for e-commerce
- Analysis and design of computer information systems
- Networking concepts and technologies
- Database design and development using SQL
- Computer troubleshooting
- Time management and organization
- Critical thinking and problem-solving

Possible Careers

- Web developer
- Web designer
- UI / UX designer
- Programmer
- Application developer
- Software developer
- Systems analyst
- Project manager
- Social media manager
- IT administrator
- E-commerce specialist
- Social media manager

Types of Employers

- Advertising agencies
- Online retailers
- Marketing or design firms
- IT companies
- Businesses and corporations
- Web development companies
- Banking and financial institutions
- Insurance companies
- Schools, colleges, and universities
- Technical support centers
- Self-employment

outside the classroom

Activities / Opportunities

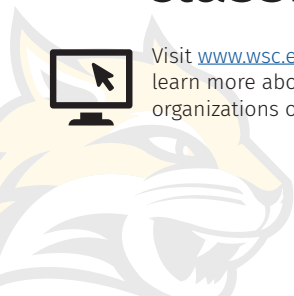
- Programming and robotics competitions
- Guest speaker events
- IT facility tours
- Workshops and presentations
- Peer tutoring and mentoring
- Service-Learning
- Study Abroad

Clubs / Organizations

- Association for Computing Machinery (ACM)
- SkillsUSA
- Upsilon Pi Epsilon (International Computing Honorary)



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.



Sample program of study

2023-24 Academic Year

Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. The class sequence listed is suggested only. The final decision rests with the student and academic advisor.

FRESHMAN - 1st semester

CIS 132 Principles of Computing and Information Systems.....	3
CSC 150 Programming Fundamentals I.....	3
CSC 165 Intro to Web Development.....	3
General Studies	

FRESHMAN - 2nd semester

**BUS 142 Survey of Accounting.....	3
MAT by advisement	
General Studies	

SOPHOMORE - 1st semester

CIS 171 Networking I.....	3
General Studies	

SOPHOMORE - 2nd semester

*BUS 208 Business Communications.....	3
CIS 366 Intro to Database.....	3
General Studies	

JUNIOR - 1st semester

*BUS 260 Management Theory and Practice.....	3
CIS 352 Introduction to Enterprise Computing.....	3
CIS 360 Computer Information Systems: Analysis and Design.....	3
CIS 372 Computer Hardware and Operating Systems.....	3
CIS 375 Intro to E-Commerce.....	3
General Studies	

JUNIOR - 2nd semester

CIS 361 Software Engineering.....	3
CSC 465 Advanced Web Development.....	3
Electives	
General Studies	

SENIOR - 1st semester

CSC 365 Scripting Language.....	3
Committee-approved elective.....	3
Electives	
General Studies	

SENIOR - 2nd semester

CIS 477 Project Management.....	3
CIS 480 Seminar in Computer Information Systems.....	3
CSC 380 Operating Systems.....	3
Electives	
General Studies	

The CIS/CSC elective courses approved by the Computer Technology and Information Systems Department are:

BUS 408 Business Ethics.....	3
CIS 271 Networking II (approved elective, but NOT 300 level).....	3
CIS 371 Networking III.....	3
CIS 375 Intro to E-Commerce.....	3
CIS 430 Management Information Systems.....	3
CIS 466 Advanced Database.....	3
CIS 471 Networking IV.....	3
CIS 475 Topics in Computer Information Systems.....	3
CSC 345 Computer Graphics.....	3
CSC 380 Advanced Operating Systems.....	3
CSC 450 Server Security and Management.....	3

*Courses may be taken either semester during the year indicated.

**Recommended, but other options exist.

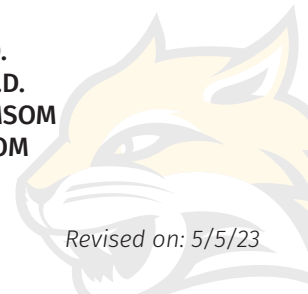
computer information systems faculty



Visit www.wsc.edu/ctis to learn more about the Department of Computer Technology and Information Systems.

Timothy P. Garvin, Ph.D.
Department Chair
Gardner Hall 206J
402-375-7545
tigarvi1@wsc.edu

Molly Curnyn, Ed.D.
Lori Nicholson, Ph.D.
Debbie Johnson, MSOM
Jeremy Wynia, MSOM



Revised on: 5/5/23