



DIVISION OF MATH AND INFORMATION TECHNOLOGY

Networking or Web Technologies

Bachelor of Arts in Information Technology

Employment in computer and math-based fields is expected to grow by 22% through 2020, faster than the average for all occupations. Networking specialists and web developers are high on the list.

IT/Networking or Web Technologies

A degree in IT with a concentration in Networking or Web Technologies offers the advanced skills to design, configure, and manage networks and web technologies.

An IT degree with a concentrated specialization

As part of Networking and Web Technologies, students take a set of basic technology courses including Internet programming courses, before branching into their specialized courses in networking or web technologies.

The Networking sequence include detailed coverage of:

- LAN and WAN (Internet) components and functionality;
- TCP/IP networking and related protocols;
- Network operating systems, including the running of network servers such as FTP, NFS, HTTP, DNS, and DHCP servers and network administration;
- Network security.

The Web Technologies sequence prepares students to enter web-site design, development, and management.

Many students complete paid, credit-bearing or unpaid internships related to their field of study, and find their first job through an internship or co-op.

Through independent study, students can pursue subjects of special interest and delve into high-level research with faculty mentors.

Career Options

This major can lead to careers in network management, installation and administration, web development, applications architecture, administration, data modeling, business intelligence analysis, help desk support (Tier 2), or staff consulting.



“Small class sizes and the individual attention students receive from the faculty members make a big difference for me. I learn and practice techniques both in and out of class, and the professors are always there for support and guidance.”

Joseph Gurran
Garrison, New York



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What you will study

Sampling of courses for the IT major

- Fundamentals of Computing
- Spreadsheets & Databases
- Internet Programming I
- Networking
- Intro to Programming
- Computer Operation and Management
- Systems Analysis and Design
- Database Management Systems
- Topics in Computer Mathematics
- Discrete Mathematics

Networking specialization

- Network Operating Systems and Administration
- Network Administration
- Networking Protocols

Web Technologies specialization

- Internet Programming II
- Server-Side Programming
- Website Management

Minor in IT/Networking and Web Technologies

A minor in IT/Networking and Web Technologies requires 18 credits.

Where our students go

Our students have interned with IBM, Google, Travelers Insurance, UPS, Marvel, RAL, and many area businesses and schools.



“Successful IT professionals need the ability to analyze the problem, design the solution, and implement it effectively. Our courses in networking and web domains are designed to provide these skills and prepare students for real world problems.”

Sagar Raina
Assistant Professor of IT

Questions?

Contact the Division of Mathematics and Information Technology at **845-569-3272**.

Ready to apply?

Contact the Office of Admissions at **1-888-YES-MSMC** or **admissions@msmc.edu**