Master’s in Information Technology Degree
MS in Information Technology

Opportunities Abound

A master’s degree in information technology is a vital tool in today’s competitive business environment. Organizations in every industry seek IT professionals who can think beyond traditional computer programming and basic technology expertise. If you can bridge the gaps between communications, IT and business management, your professional stock goes up considerably.

The newly updated MSIT online degree from SNHU helps you master this specialized skillset and further focus on one of seven highly relevant niches. New features of the program include two additional concentrations and a deeper look at the foundational understanding of technology, communication skills and contemporary issues in the field.

It all adds up to the leverage you need to land a principal role in a broad range of industries.

Outcomes

Career opportunities for IT pros remain strong. The U.S. Bureau of Labor Statistics projects that IT jobs in various professions will increase between 12 and 31 percent by the year 2020.

As information technology applications expand across all industries, career prospects continue to grow. With a master’s degree in information technology, you’ll have a competitive advantage on paper, in interviews and on the job.

MSIT careers span a variety of leadership roles, including:

- Business analyst
- Chief information officer
- Consultant
- Data processing manager
- Director of information technology
- Systems analyst
- Systems architect
- Systems software manager

Why SNHU?

- One of the most affordable MSIT degree programs with four concentrations
- Offered by a respected, private, nonprofit university
- “Best of Business” Awards for Best MBA Degree and Best Online Degree Programs
- No GMAT or GRE required for admission
- 100 percent online or hybrid courses available – choose how you want to learn
- Expert faculty with knowledge of the latest IT topics and applications
- Direct interaction with MSIT faculty and fellow students through online discussions, group projects, case studies and more
- Earn your MS in Information Technology degree in as few as 15 months, with two courses per 10-week term
MS in Information Technology Concentrations

Database Design
Databases are the backbone of almost every business. Using them to their full potential takes a skilled database administrator, or DBA. DBAs are experts in the science of administering, managing and handling the tasks involved in database management systems. This includes the creation of databases, data warehousing and database performance and tuning.

With database design as your focus, you’ll dig into creating database applications, client/server systems and data warehouses within the context of a business environment. You’ll study multi-user database applications and how to manipulate data in a shared database environment. You’ll also explore principles of design, development and implementation of Data Warehouse DBMS based on the dimensional modeling architecture.

Information Security
Be a clutch player on any organization’s IT team with an information security master’s degree. This hot, growing field involves managing and evaluating internal and external threats to security, system integrity and networks. Investigate human factors present in cybersecurity related to ethics, integrity, practices, policies and procedures. Learn the ins and outs of enforcing network-level security policies and how to ultimately “lock down” an organization’s Internet entry.

Web Design
Design and develop the behind-the-scenes code and programming of a wide variety of websites and web-based services with a web design master’s degree.

Develop websites, web applications and methods for driving traffic to websites. Learn how people actually use the Internet, and apply it to your strategic development planning. Examine how to collect statistics on website usage and how demographic and other data can be implemented to improve site functionality and popularity.

Data Analytics
Collecting, organizing and interpreting statistical information is the job of a data analyst. Put another way, it’s a very advanced way to paint by numbers.

SNHU’s data analytics master’s focuses on big data, how it’s relevant and how to present it in a meaningful, captivating way. With this niche expertise within an IT master’s, you’ll gain the specialized intelligence to synthesize sets of raw information, interpret it to reveal trends and then deploy effective tools and techniques to communicate insights and base major IT decisions using this data.

IT Management
Big-picture thinkers with IT interest are born IT managers. With the master’s in IT management from Southern New Hampshire University, you can hone a highly regarded, enterprise-level technology management expertise.

You’ll focus on managing varying aspects of information technology, including the relationships between structure and process in project management and the management of IT functions for a variety of organizations. You’ll also explore enterprise resource planning, as well as the implications of cyber law and ethics.

Game Design and Development
As more organizations incorporate gaming technology into their businesses – from entertainment to education and training – the need for skilled professionals in game design and development continues to grow. If you’ve always wanted to turn your passion for information technology and gaming into a full-time career, now’s the time.

This 36-credit program explores subjects such as artificial intelligence, the interaction of three-dimensional objects and game production techniques to give you the skillset you need to break into this burgeoning, $68 billion industry.

Health Informatics
Health information technicians, or “health informaticists,” are an integral part of any healthcare team. They help incorporate advanced technology into patient care and facility operations, reducing errors and maximizing efficiencies.

As technology continues to evolve, trained professionals are needed to help implement these changes. With an IT health informatics master’s, you can take advantage of these opportunities and pursue fulfilling careers in a variety of settings.