



Southern
New Hampshire
University



Manage technological innovation.

Master of Science in Information Technology

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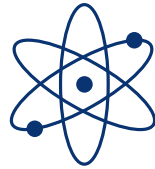
About SNHU

Founded in 1932, Southern New Hampshire University (SNHU) is a distinguished U.S. nonprofit institution with a 25+ year online legacy of redefining higher education. Chosen by 3,000 on-campus and 170,000 online students, with an alumni network exceeding 100,000 worldwide, SNHU is one of the largest universities in the U.S.

SNHU is decorated with accolades, including the 2020 Most Innovative University in the North (U.S.) and Best Regional Universities by U.S. News & World Report and is accredited by NECHE, overseen by the U.S. Department of Education and Council for Higher Education Accreditation. SNHU strives to transform lives through quality education and our globally recognized accreditations are a testimony to the highest academic standards.



Awarded the 21st Century Distance Learning Award For Excellence in Online Technology
By the United States Distance Learning Association (USDLA)



Named 2024's Most Innovative University in the North
By the U.S. News & World Report



Accredited by the New England Commission for Higher Education (NECHE)
Overseen by the U.S. Department of Education (USDOE)



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Program Overview

The world of technology is constantly evolving and bringing new ways of doing business. As new technologies keep emerging, the way industries operate is also going through a major paradigm shift. It is becoming increasingly important for businesses to keep up with the latest technological advancements and constantly innovate to stay ahead of the competition. Today, leading organizations across the globe are looking for IT professionals who can not only develop technical solutions but are also capable of meeting the ever-changing requirements of the global IT industry. SNHU's online **Master of Science in Information Technology** can help you bridge the gap between technology and business while driving growth and innovation. Designed by leading experts in the field, this cutting-edge program is suitable for students who want to pursue careers in the analysis, design, creation and management of information technology systems through the application of best tools used by today's leading businesses across the globe.



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Why Information Technology?

Information Technology is a rapidly growing field with constant advancements in technology, making it an in-demand career option. With a Master of Science in Information Technology, you will be able to impress employers with your technical expertise and problem-solving abilities. As a skilled professional, you will develop the expertise to deliver game-changing technical solutions that drive success and stand out in the competitive job market.

- The average salary for an IT Consultant/Senior IT Consultant is ₹13,83556 per year in India.*
- The IT services market is expected to register a CAGR of about 10.36 % during the forecast period, 2022-2027.^

*Glassdoor [Viewed online here.](#)

^Mordor Intelligence [Viewed online here.](#)



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Career Potential

Elevate your career to the next level with an online Master of Science in Information Technology. Gain advanced technical skills in database design, information security and tech management to drive innovation, and lead teams to success in today's fast-evolving IT landscape. This degree opens the doors to exciting job roles like:

- Operations research analyst
- Software developer
- Network architect
- IT project manager
- IT consultant



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What Will You Learn?

The master's in information technology from SNHU equips you with marketable technical skills required to thrive and succeed in the rapidly evolving digital landscape. Strengthen your knowledge in IT fundamentals like database design, information security and enterprise technology management. By mastering the following skills, you will be prepared for the most in-demand leadership roles in the IT industry and be able to drive innovation across various sectors such as government agencies, insurance companies, education and manufacturing.

- Incorporate a systematic approach to develop sophisticated computer-based solutions that address complex business problems. .
- Utilize data-driven insights to analyze key business needs and build custom software solutions that deliver measurable results.
- Leverage the latest information technologies and concepts to streamline operations while ensuring the highest levels of security.
- Collaborate with team members in various settings to exchange ideas and use collective expertise to seek new ways to offer technical solutions.
- Construct a comprehensive set of procedures involving computational logic and critical analysis to shield your organization against cyber threats and legal risks while adhering to ethical standards of information technology management.



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Why Choose SNHU Online?



Embrace a rich academic legacy

Established in 1932, SNHU brings a rich legacy of educational excellence and leadership. As a pioneer in online education, SNHU has been offering industry-relevant top-tier online degrees since 1995.



Global employability & opportunities

With a 160,000+ strong global community of learners and a vast network of 232,000+ alumni across 46+ countries, our global footprint showcases our international recognition and employability. SNHU propels you to global success, preparing you for evolving workplaces.



Opportunity to attend graduation ceremony on-campus

Online students at SNHU have the unique opportunity to take part in the full graduation experience. You are welcome to join the celebration on campus and build lifelong memories in person, because your success deserves the spotlight.



Robust suite of online learning tools

Online learners at SNHU gain exclusive access to specialized online toolkits, depending on the area of study. These include Microsoft Suite and a LinkedIn Learning subscription. Elevate your education.



Career Catalyst Advantage

In partnership with Hiration, SNHU offers a whole suite of AI-powered career-enabling tools that help you sharpen skills through mock interviews, receive real-time feedback, create a compelling LinkedIn profile, master the art of cover letters and tailor resumes with Job Matcher for each opportunity – all with AI-powered excellence.



Affordable pricing & merit scholarships

SNHU is committed to making learning economical and accessible. Our pricing, flexible payments, 0% financing and merit scholarships ensure a U.S.-accredited degree is financially reachable for everyone.



Campus Immersion Program

Embark on SNHU's Campus Immersion program, a dynamic 2-week Experience English Summer Camp, where you'll delve into New England's rich culture, engage with local entrepreneurs, attend campus event with SNHU students, and enhance your English skills through hands-on educational excursions and career workshops, creating lasting memories beyond the classroom.

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Alumni Benefits

Upon completing their studies, all SNHU graduates, whether from online programs or on-campus courses, gain access to a diverse array of exclusive alumni benefits. By joining our online alumni community, you unlock:

Global Alumni Network and Social Platform

Stay connected with former SNHU classmates across the globe through our comprehensive alumni directory and social media platform, fostering valuable connections and opportunities for collaboration.

SNHU LinkedIn Community Group Handshake

Join our exclusive LinkedIn community group designed for SNHU alumni, where you can explore job postings, advertise vacancies within your company, and tap into the diverse talent pool of SNHU graduates.

Career Development Resources

Engage in a range of career development resources, including webinars, internship fairs, and personalized counseling sessions, tailored to support your professional growth and advancement.

Professional Support Services

Benefit from tailored professional support services such as mock interviews and resume reviews, providing invaluable feedback and guidance to help you succeed in your career endeavors.

Events Calendar: Networking and Engagement

Stay informed about upcoming events such as Homecoming celebrations, Global Days of Service initiatives, and virtual career events, offering opportunities for networking, learning, and community engagement.

Access to SNHU Library Resources

Gain unrestricted access to a wealth of academic and research resources offered by SNHU's library, empowering you with the knowledge and information needed to excel in your personal and professional pursuits.



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Career Catalyst AI Tools: Empowering Your Career Ascent

We have partnered with Hiration, a pioneer in AI-driven innovation, to offer you a whole suite of AI-powered tools that enable you to showcase your best self and take your career to unprecedented heights.

Get a competitive edge with Career Catalyst:

- **Excel in mock interviews:** Refine your interview skills with real-time feedback.
- **Tailor your resume:** Customize your resume to each job listing with the Job Matcher feature.
- **Optimize LinkedIn:** Craft an alluring profile showcasing skills and experience that recruiters can't resist.
- **Perfect your cover letter:** Receive precise, actionable feedback to create a lasting impression.

Transform your growth trajectory with AI-powered tools. We're here to guide you every step of the way.



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Format

Our online postgraduate programs have five convenient start dates throughout the year divided into ten-week sessions. Applications are reviewed on a rolling basis.

Eligibility

The student must not be a resident of the U.S. and should be proficient in English.

The student should have earned their undergraduate degree from a NAAC-accredited university with a letter grade of “A” or above. The student is also required to have received a U.S. equivalent GPA of 3.0 (B) or higher (in India: a grade average of 45% or above).



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Curriculum

If you would like more information about any of the subjects, please click on the subject code to bring you to the academic catalog.

Foundation Subject (3 Credits)

IT505 - Core Technologies

Major Subjects (27 Total Credits)

IT510 - Advanced Information Technology: This subject focuses on the principles and practices underlying the analysis, design, implementation and management of information technology systems. Topics include information system development methodologies, systems planning, requirements analysis, systems implementation, software engineering, project management and interface, database and process design.

IT515 - Innovations in Information Technology: In this subject, students strengthen their understanding of leadership theory and ethical frameworks in the context of a technology enterprise. Students will apply this understanding to business cases that reflect the need for innovative technology solutions in today's workplace in order to transform the thinking of an organization when change is required or to develop ideas that enable new business strategies.

It511 - Object Oriented Application Development: This subject provides a comprehensive introduction to the principles and practices of object- oriented software development and provides a foundation for developing quality software. Students develop skills in applying object- oriented concepts to solve software problems and implement solutions. The subject also teaches the concepts and design of algorithms for problem solving and includes the topics of data structures as they are related to the algorithms that use them.

It520 - Technical Communication: The subject focuses on the essential oral and written technical communication skills needed for producing technical documentation and presentations in many different forms for varying business situations. The subject enables students to understand the needs of stakeholders in order to develop different technical documents such as white papers, design specifications, project plans, test plans, user manuals, etc. The ability to communicate research findings using appropriate academic formatting will also be addressed.

IT600 - Operating Systems: This subject focuses on computer architecture and the operating systems of digital computers. Students learn about the operational methods of hardware; the services provided by operating systems' software; acquisition, processing, storage and output data; and the interaction between computers. Topics include widely used operating systems such as DOS, Windows and UNIX.

IT640 - Telecommunications and Networking: This subject covers the technical aspects and the application of telecommunications technology to solve specific business problems and enhance the strategic position of a business enterprise. Topics include the importance of telecommunication in today's business environment, the analysis, design and implementation of telecommunications systems, the scope of the telecommunications industry and current trends; telecommunications hardware, the Open Systems Interconnection (OSI) network model, networking technologies and telecommunications software, protocols and standards.

It700 - Capstone in Information Technology: This capstone course is the culminating experience for the M.S. in Information Technology program. The aim of the capstone is to assess students' ability to synthesize and integrate the knowledge and skills they have developed throughout their coursework, rather than introducing new concepts. This course is structured to support student success in fulfilling program requirements.

Choose 1 of the following:

IT625 - Information Technology Project and Team Management

QS0640 - Project Management

Major Electives - choose 9 credits from:

CIS DAT, ISE, IT, or QSO within the 500 - 799 range EXCEPT IT505 and DAT500

Grand Total Credits: 36 Credits

Disclaimer: Subject availability is not guaranteed. Not all subjects are available for all terms and in the event there is an error, the university reserves the right to remediate. Subjects are not necessarily able to be taken in the order listed.

Meet Our Faculty Members

SNHU is dedicated to student success, and that starts with bringing expert faculty to teach our specialized subjects for students studying online from India. In addition to real-world experience in their field and a passion for education, each faculty member undergoes training for online instruction from SNHU.

Our faculty members for online degrees in India are Indian, meaning they can help bridge the cultural gap and give you the unique perspective of an Indian professional working domestically and globally. SNHU hires our Indian faculty members at the same standard as our on campus faculty, so you'll get the unique opportunity to learn from local experts hired at U.S. university standards.

Faculty Highlight



Dr. Meera Iyer, PhD

12+ years of experience

Teaches Physiological Psychology

Dr. Iyer is a child and adolescent psychologist with a PhD in psychology, specializing in cyberpsychology.

She is a member of prominent international and national psychological associations (APA, INSPA, NAOP and BCPA) and has made contributions to government-based initiatives (NCPCR, Mission Shakti-Gov. of India) for counseling trauma and domestic abuse victims.



Dr. Nilakantan Narasinganallur, PhD

32+ years of experience in finance, 15+ years of teaching MBA programs

Teaches Applied Business Statistics

Dr. Narasinganallur has earned his Ph.D. in Management from Mumbai University, where his research focused on financial derivatives and the comparison of option valuation for indexes and equities in the Indian stock market to valuations in the US stock market.

He is a published author of a book on modern risk analysis and various peer-reviewed research papers in international journals.

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Dr. Sivaraman Eswaran, PhD

**Completed his PhD at Bharathiar University, Coimbatore in 2019
Teaches Security Risk Analysis and Planning**

Dr. Sivaraman is a CompTIA Security+ certified professional and EC-Council Certified Computer Hacking Forensic Investigator in addition to a Microsoft Certified Professional and EMC Academic Associate.

He received an internal research grant funded by PES University for a research project, in addition to several research projects funded by Curtin University Malaysia in collaboration with the University of Nottingham Malaysia and the Swinburne University of Technology Malaysia.



Dr. Veena Tripathi, PhD

Dr. Tripathi's experience spans various industries (automobile, banking, entertainment, NGOs and educational institutions) and regions including Europe, North America, India and Central Asia. Professor Veena is a certified coach from HarvardX and University of Michigan and her major focus is to bring purpose, positive energy and creative confidence to every teaching experience. Currently, she is the Director of Global Strategic Partnership of an NGO, a marketing professor at Jaipuria Institute of Management, Delhi in addition to being faculty member at SNHU. She brings to the table a varied set of skills and experience ranging from mental health to personal branding to marketing communications. She is also a columnist for the Indian Sleep Product Federation magazines, Loud Applause, Data quest and more.

Accreditations



Degree Certificate

Southern New Hampshire University

Be it known that the Board of Trustees, by the authority vested in it under the laws of the State of New Hampshire and upon recommendation of the faculty does hereby confer upon

Your Name Here

the degree of

Master of Science
in Name of Program Here

in recognition of fulfillment of the requirements for that degree with all the Rights, Honors and Privileges pertaining thereto.

Given at Manchester, New Hampshire this sample day of May, for reference purposes only.

Actual diploma will have the official SNHU seal and signatures from the president and chairman of the board of trustees

* SNHU degree programs are validated by the U.S. Regional Accrediting body (NECHE) and recognized in the U.S. by the U.S. Department of Education. These degree programs do not have official recognition by Ministries of Education outside the United States.

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