Satellite Campuses

Tuscany Campus
Prato, Italy

Orange Campus
Graduate Campus for the College of Business
Orange, Connecticut, U.S.A.

Distinguished Faculty

As dean of the Tagliatela College of Engineering, Ron Harichandran has blazed a bold trail in forming students with an entrepreneurial and business mindset to accompany their acquisition of formidable engineering skills. Under his strong leadership, he has initiated the development of academic focus areas in renewable energy, sustainability, wireless communications, and forensics.

Nationally recognized as an expert in health policy, management, and bioethics, Dr. Summer McGee is the program director for the Master of Science in Healthcare Administration program at the University. A prolific author as well as teacher, she has published numerous works on public participation in bioethics and public policy, public health ethics, research ethics, and the ethics of chronic pain.

World-renowned forensic scientist Dr. Henry C. Lee, an expert witness in such high-profile cases as O.J. Simpson, JonBenét Ramsey, Laci Peterson, and the reinvestigation of the JFK assassination, has brought international acclaim to the University. Dr. Lee founded our Forensic Science program in 1975 and continues his work on our campus to this day.

Professor Eva Sapi is a nationally recognized expert on Lyme disease, researching the latest developments in the diagnosis and treatment of the tick-borne illness. Dr. Sapi recently led a student research project that resulted in the development of an at-home testing kit for Lyme disease.

Professor Glenn McGee is a well-renowned scholar and analyst of biomedical sciences. His authored books include: *The Perfect Baby* (2000); *Beyond Genetics* (2005); and *Bioethics for Beginners* (2012). He has authored more than 150 peer-reviewed essays, law review articles, encyclopedia articles, and reviews in Science, Nature, JAMA and others. Dr. McGee teaches health management, public health law, and industrial relations.

A prolific researcher in the areas of mechatronics, robotics, control, engineering design, and artificial intelligence, Dr. Cheryl Li has unique cross-disciplinary educational backgrounds in mechatronics engineering (control and robotics) and educational psychology. She teaches a broad range of courses in general engineering, kinematics and dynamics, systems and control, robotics and mechatronics and works closely with foreign universities to bring students from all over the globe.

Facilities

Our Newest Residence Hall, The Atwood. Located just two blocks from the University of New Haven campus are brand new, highly sought-after luxury apartments. Graduate students have first choice of one-bedroom or studio apartments.

Deluxercise: $15.5 Million David A. Beckerman Recreation Center. Break a sweat in the new $15.5 million David A. Beckerman Recreation Center featuring the latest exercise equipment, a multi-court gymnasium, yoga, step aerobics, Pilates, racquetball courts, lounges, locker rooms, a juice/smoothie bar, and an illuminated glass-enclosed running track.

Marine Sciences Center. Scheduled to open in 2018, the two-story building will be housed on a floating 48,000-square-foot platform. The University will have state-of-the-art marine science research and teaching labs, a large wet lab, office space, and public education space in the building.

$9.4 Million Henry C. Lee Institute. The state-of-the-art Henry C. Lee Institute houses a forensics crisis management command center, a forensic technology lab, a national crime scene training and technology center, a crime scene theater, and a forensics learning center. This, one-of-a-kind learning facility is unmatched anywhere in the field of forensics or education.

HONG SHANG '15
MBA

"The University of New Haven was a great choice for me. I met lovely people who became my mentors and my best friends and who have had a long-lasting positive impact on me. The two years I spent at the University hold valuable memories that will last a lifetime. As a student, I served as a Vice President for the Chinese Student and Scholar Association (CSSA), which taught me how to work with others as a team."

MAXIME THEOKRTIOFF '19
M.S., Computer Science

"When I arrived at the University of New Haven, I immediately felt welcomed by the University's dedicated staff and their effort to support my transition. The orientation events gave me the opportunity to meet people from diverse backgrounds and cultures."

GUDRUN WIDME '17
MBA

"I came to the University of New Haven from Norway for one semester as an exchange student. A year and a half later, I have graduated with my MBA. My academic adviser, who is also the director of the program, helped me select all my classes and thoroughly plan my MBA completion according to future career goals. My decision to come to the University of New Haven is one of the best decisions I have ever made."

GREGORY WONG '14
M.S., Engineering & Operations Management

"The Engineering & Operations Management (EOM) program at the University of New Haven has provided me with the tools and knowledge to be successful in modern, high-technology manufacturing processes. I am leading teams in the construction of the next generation of nuclear powered submarines, and I am improving my team's efficiency and effectiveness through the curriculum that I studied in the EOM degree program."

MARÍA SÁNCHEZ MELO '19
M.S., Forensic Science

"Achieving an M.S. in Forensic Science in the U.S.A. was a dream that the University of New Haven has made possible. Upon my arrival, the extraordinary welcome and the abundance of activities carried out by the University were informative and made meeting other students possible. It is a pleasure to pursue my degree at the University of New Haven!"

GAUTAM SIWACH '14
M.S., Computer Science

"During my studies at the University of New Haven my professors offered me the guidance, care, and exceptional support that has helped shape my career. I completed my thesis in Big Data, and my professor was very flexible in meeting with me when I needed his advice.

As part of my current role at IBM, I speak at workshops and conferences and am often reminded of the day of my thesis defense. The feedback and advice they gave me keeps me inspired and motivated."

NOURAN KHOJ '19
M.S., Emergency Management

"When I first moved to Connecticut, I felt too much stress, but I met many sweet and kind people in the international graduate department who helped to ease the pressure. I am really excited to start my master's degree."

SIMILEOLUWA DOTUN PIKUDA '19
M.S., Finance

"It has always been my dream to study finance and understand the workings of the currency and the stock market. The University of New Haven has helped me actualize that dream. It has everything a finance student could ever wish for, from great professors to great facilities. They create a comfortable learning environment for international students to learn in the U.S.A. The professors give great advice and are always available to help. The courses are geared towards the curriculum of the CFA, and there is a study group to help me prepare for the CFA Level I exam."

To contact us:

203.932.7440
graduate@newhaven.edu
www.newhaven.edu/grad

Find us on:

Unewhavengrad
UNewHavenGrad
unewhavengrad
University of New Haven
203.815.6256

University *of* New Haven

YOUR SEARCH IS OVER!

Around the Area

Located in a beachside New England town, minutes from a historic downtown and only 90 minutes from New York City and two hours from Boston, the University of New Haven may be the most ideally located campus in the nation.

Key Facts

- The University of New Haven has been included in "The 382 Best Colleges" in the country by *The Princeton Review*.
- The University of New Haven is a private university, established in 1920 on the Yale Campus.
- The University is ranked in the top tier of universities in the North region of the U.S.A., by *U.S. News & World Report* and the Tagliatela College of Engineering is ranked 55 in the top 100 engineering colleges in the U.S.A.
- Sport Management is ranked as the 18th top postgraduate program in the U.S.A.
- The University is fully accredited by the New England Association of Schools and Colleges (NEASC) and by the Board of Governors of the Connecticut Department of Higher Education.
- The University of New Haven business programs are AACSB-accredited, which makes it among the top 5% of the best business schools around the globe.
- The University of New Haven is listed among the 30th safest college towns in America.

Academic Programs

College of Arts & Sciences

- Cellular and Molecular Biology, M.S.
- Community Psychology, M.A.
- Environmental Science, M.S.
- Human Nutrition, M.S.
- Industrial/Organizational Psychology, M.A.

College of Business

- Accounting, M.S.
- Executive MBA.
- Finance, M.S.
- Healthcare Administration, M.S.
- MBA
- MBA/M.P.A. Dual Degree Program
- Sport Management, M.S.
- Taxation, M.S.

Henry C. Lee College of Criminal Justice & Forensic Sciences

- Criminal Justice, M.S.
- Criminal Justice, Ph.D.
- Emergency Management, M.S.
- Fire Science, M.S.
- Forensic Science, M.S.
- Forensic Technology, M.S.
- National Security, M.S.
- Public Administration, M.P.A.

Tagliatela College of Engineering

- Biomedical Engineering, M.S.
- Civil Engineering, M.S.
- Computer Science, M.S.
- Cyber Security & Networks, M.S.
- Electrical Engineering, M.S.
- Environmental Engineering, M.S.
- Engineering and Operations Management, M.S.
- Industrial Engineering, M.S.
- MBA/M.S.I.E. Dual Degree Program
- Mechanical Engineering, M.S.

Bergami Center for Science, Technology, and Innovation

This 40,000-square-foot facility, slated to open in 2019, will increase collaboration across academic disciplines and foster partnerships among students, faculty, and industry leaders. It will house makerspace, cutting-edge science classrooms, communication studios, and space for working on multidisciplinary projects.

Why Choose Us?

Career Services

- Ranked #17 in "Best Career Services" by *The Princeton Review*
- Provides International Students with the opportunity to relate their majors to a variety of career choices
- Campus visits from IBM, Chase Manhattan Bank, PricewaterhouseCoopers, and similar organizations to interview students for CPT and OPT opportunities.

Student-Faculty Relationships

- A student- faculty ratio of 16:1 ensures greater opportunity for students to engage in classroom discussions, provides one-on-one contact with professors, and creates opportunities to collaborate with them in their labs.
- Small classes give students the opportunity to engage in hands-on research and service learning.

State of the Art Resources

- Bergami Learning Center for Finance and Technology provides students access to Bloomberg Professional™ real-time trading information and hands-on financial management experience.
- The Integrative Materials Discovery lab gives students the opportunity to pursue research in the design of biomass conversion catalysts, cancer-therapeutic drugs, and drug delivery vehicles.

School Size

- As a smaller university, faculty are able to mentor and guide students, connect them to their networks and prepare them for a successful career in the real-world.
- Students enjoy being a part of a close-knit community that cares for and supports them during their studies.

Affordability

- Our tuition and living costs are significantly lower, considering the proximity to the world's financial capital, New York City.

How to Apply

Graduate Application Deadlines

- For the **fall semester**, beginning in late August each year, the **deadline is March 15 to be considered for funding or May 1 without funding**.
- For the **spring semester**, beginning in mid-January each year, the **deadline is October 15 to be considered for funding or November 15 without funding**.

Graduate Application Checklist

- Online application
- $50 non-refundable fee
- Official university transcripts and proof of bachelor's degree completion. An explanation of your university grading system must also be provided along with your transcripts.
- Two letters of recommendation from your professors or employers
- A Statement of Purpose is required. A résumé is highly recommended.
- TOEFL of 75, or IELTS of 6.0, or PTE of 50, or completion of the University of New Haven's Academic Preparatory Program (certain majors may require higher English test scores).
- Certain majors require GRE and/or GMAT test scores.

University of New Haven Conditional Admissions

- The University of New Haven offers conditional acceptance in most majors to those who are academically admissible but who have not met our required English test scores.

- Students who do not submit proof of English proficiency will be considered for conditional admission to the University and will be recommended to enroll in our Academic Preparatory Program (APP). For this program, no official IELTS, TOEFL, or any other English test score is required. The program can take four, eight, or twelve months to complete, depending on the student's incoming English proficiency level. For more information, see **www.newhaven.edu/APP**.

Scholarships

International graduate students are considered for scholarships or fellowships at the time of the admissions decision. All scholarships are merit-based, and students must submit GRE or GMAT if applicable.

Experiential Graduate Assistantship Program (EGAP): 75% tuition assistance

Students offered a Graduate Assistantship (GA) position in this highly competitive program will work 15-20 hours per week (550 total hours per academic year) for an academic or administrative department within the University.

Engineering Fellowship: 50% tuition assistance

Awarded by the Tagliatela College of Engineering to students demonstrating a strong academic profile, including GPA and GRE/GMAT scores. Awarded at the time of acceptance. You must complete five hours of experiential work per week with the department as part of your fellowship. Your application must be submitted by March 15 for the fall term and October 15 for the spring term to be considered for the fellowship.

Engineering Scholarship: up to 40% tuition assistance

Awarded by the Tagliatela College of engineering to students demonstrating a strong academic profile, including GPA and GRE/GMAT scores. Awarded at the time of acceptance. Your application must be submitted by March 15 for the fall term and October 15 for the spring term to be considered for the scholarship.

Business Scholarship: up to 20% tuition assistance

Awarded by the College of Business to students demonstrating a strong academic profile, including GPA and GRE/GMAT scores. Awarded at the time of acceptance. Your application must be submitted by March 15 for the fall term and October 15 for the spring term to be considered for the scholarship.

录取要求：

工程学院

专业核心课程平均分数不低于 75 分，公共必修课及公共选修课可不必计入平均绩点。

若平均分数低于 75 分，则需提交 GRE 成绩。如需申请奖学金则需提交 GRE 成绩。

英语语言要求，托福不低于 75 分，雅思不低于 6.0 分。亦或通过纽黑文大学国际招生办公室面试或电话面试，申请学生可免于提交语言成绩。

商学院

专业核心课程平均分数不低于 75 分，公共必修课及公共选修课可不必计入平均绩点。

若平均分数低于 75 分，则需提交 GRE 成绩。如需申请奖学金则需提交 GRE 成绩。

英语语言要求，托福不低于 80 分，雅思不低于 6.5 分。亦或通过纽黑文大学国际招生办公室面试或电话面试，申请学生可免于提交语言成绩。

刑事司法和法庭科学学院

专业核心课程平均分数不低于 80 分，公共必修课及公共选修课可不必计入平均绩点。

若平均分数低于 80 分，则需提交 GRE 成绩。如需申请奖学金则需提交 GRE 成绩。

其中法庭科学硕士及刑事司法博士需提交 GRE 成绩。刑事司法博士托福不低于 100 分，雅思不低于 7.5 分。

英语语言要求，托福不低于 75 分，雅思不低于 6.0 分。亦或通过纽黑文大学国际招生办公室面试或电话面试，申请学生可免于提交语言成绩。

文理学院

专业核心课程平均分数不低于 75 分，公共必修课及公共选修课可不必计入平均绩点。

若平均分数低于 75 分，则需提交 GRE 成绩。如需申请奖学金则需提交 GRE 成绩。

英语语言要求，托福不低于 80 分，雅思不低于 6.5 分。亦或通过纽黑文大学国际招生办公室面试或电话面试，申请学生可免于提交语言成绩。

所有专业申请学生可以通过条件录取来免除语言成绩，条件录取是指针对专业课程达到录取要求而英语语言成绩未达到录取要求的申请学生的优惠政策。

注：以下专业不接受条件录取

人类营养学硕士

细胞分子生物学硕士

刑事司法博士

健康管理学硕士

工程学院

COLLEGE OF ENGINEERING

BIOMEDICAL ENGINEERING

{Master of Science}

Our Master of Science in Biomedical Engineering (BME) is the perfect fit for career-minded students who want to study and use multi-disciplinary scientific information to design and build innovative diagnostic and therapeutic products to improve human life.

Biomedical engineering is a field that addresses the improvement of human health through a multi-disciplinary approach. The integration of concepts from engineering and mathematics with those in the life sciences, provides directed technologies for the advancement of health care. Our carefully tailored curriculum offers an exciting 10-course program designed with industry input to prepare students for careers or continued education in biomedical engineering.

Distinguishing Program Features:

Focus Areas allow immersion in medical devices (artificial lungs, replacement heart valves, pacemakers, dental implants, catheters, limb prostheses), Biomaterials, Bioinstrumentation, Bio Imaging, and Tissue Engineering.

Our Expert faculty are actively engaged in research in the fields of Biomaterials, Medical Device Design/Innovation, Drug Delivery, and Bionanotechnology.

Dynamic Curriculum designed with industry professionals to meet industry needs. Built-in flexibility for thesis, non-thesis, and internship options.

Career-Focused-Curriculum equips students with an increasing important research and presentation skills set for next generation biomedical engineering jobs, which are projected to grow by about 27% by 2022 according to the Bureau of Labor Statistics.

Highly competitive scholarships are available for applicants with strong academic records. As high as 75% tuition scholarships with a stipend or 50% tuition scholarships are available to qualifying applicants.

UNH is located on I-95 biomedical industry corridor (home to over 200 biomedical engineering companies) between New York and Boston metropolitan areas.

Career Outlook

Industry based engineer:
BMEs may work to develop and maintain medical equipment/devices for diagnosing and treating diseases.

Clinical engineering:
BMEs may work as clinical engineers to develop and maintain computer databases of medical instrumentation and equipment records in hospitals.

Medical research laboratory engineer:
A BME graduate may also work on a team of engineers at a medical research laboratory.

Technical sales engineer:
Technical sales BMEs combine technical knowledge with sales skills to provide support on a range of medical instrumentations.

Industry Advisory

Medtronic Incorporated
Eppendorf
VA Connecticut Health System

Curriculum

- 30 or 31 graduate credits are required for completion
- 6 required courses (18 credits) plus 4 courses (12 or 13 credits) that may be taken as unrestricted electives or in a focus area

Optional Focus Areas

- **Biomaterials**
- **Biomechanics**
- **Biomedical Imaging**

Courses are offered in the afternoons and evenings Monday through Friday from 1 p.m. – 9 p.m. on the main campus.

Course Length

- 15-week (full semester term) format
- 8-week summer term format for biomedical engineering internship course

Time to Completion

Students who are full time will complete this program in two years, or four semesters. Students who study on a part time basis, will complete this program in three years.

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
BIOM 6601 BIOM 6610 MECH 6602 Elective	BIOM 6630 BIOL 6605 INDE 6688 Elective	BIOM 6693 Internship

Required Courses

- **BIOL 6605** Biostatistics
- **BIOM 6601** Biomedical Engineering Seminar
- **BIOM 6610** Biomedical Polymers
- **BIOM 6630** Biosensors and Instrumentation with Laboratory
- **INDE 6688** Design of Experiments
- **MECH 6602** Mechanical Engineering Analysis

Project Requirement

Each student must completion of a substantial project. There are three different ways to satisfy the project requirement (please note that this is not an extra course but will be applied to an elective credit):

Option 1: Project through a course

The student must choose one from this list:

- **BIOM 6615**
  Biomaterials II: Design and Applications of Biomaterials
- **BIOM 6620**
  Tissue Engineering
- **BIOM 6650**
  Medical Imaging Systems
- **ELEC 6653**
  Digital Image Processing

Option 2: BIOM 6690 Research Project Course

Student who plan to complete **BIOM 6690** Project must find a project advisor, prepare a project proposal, and obtain written approval for the project prior to registration. This option offers an advantage to students who may choose to explore areas outside the curriculum.

Option 3: BIOM 6697/BIOM 6698 Thesis I & II

Students who plan to complete a thesis should start in their first or second term at UNH to find a thesis advisor, prepare a thesis proposal, and obtain written approval for the thesis prior to registration. For the thesis option, both **BIOM 6697** and **BIOM 6698** must be completed.

For More Information Contact:

GRADUATE ENROLLMENT
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203.932.7440 | Toll-free: 1.800.DIAL.UNH (342.5864), ext. 7440
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ACADEMIC INFO
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203.497.4877 | kamoako@newhaven.edu

Produced by Dept. of M.E.C. 105927-0616

CIVIL ENGINEERING

Master of Science

The University of New Haven's master's degree program in civil engineering is uniquely designed for individuals with a keen interest in civil, environmental, and construction engineering and sustainability who want to improve their core competencies in analysis and design, areas that are critical for multifaceted civil engineering projects of the future.

Innovative focus areas

Students will choose courses from four innovative focus areas:

- Sustainability
- Environmental Engineering
- Structural Engineering
- Construction Management

A future of opportunity

Civil engineering positions account for the most jobs of any engineering field, and this job growth is predicted to continue. In Connecticut alone, job openings for civil and environmental engineers are expected to grow by 13.8 percent through 2022, which is higher than the aggregate rate of growth for all occupations in the state.

Federal funding for sustainable and "green" development has also led to an increase in environmentally-friendly infrastructure projects, which has driven demand for civil and environmental engineers.

Our graduates will be prepared to work for Departments of Transportation, the Federal Highway Administration, the EPA, or consulting and engineering firms as a

- Civil engineer
- Environmental engineer
- Project leader
- Structural engineer
- Research Consultant
- City engineer
- Design engineer
- Water engineer
- Green building professional
- Urban planner

Sample Courses

Building and Bridge Design
Green Building Design and Materials
Air Pollution Fundaments
Design for the Environment
Advanced Reinforced Concrete
Construction Project Management
Fundamentals of Construction Accounting and Finance

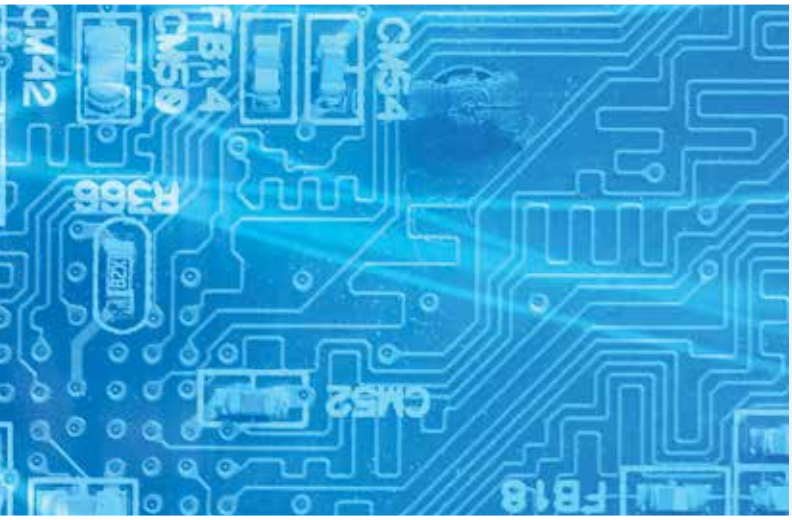
Current Areas of Student Research

Sustainability
Engineering Mechanics
Structural Engineering
Water Resources
Environmental Engineering

GRADUATE ENROLLMENT • gradinfo@newhaven.edu • 203.932.7440 • www.newhaven.edu/grad

COMPUTER SCIENCE

{Master of Science}



Hands-on Application

Several of our courses, as well as the final master's project, involve addressing extensive industry-oriented challenges. For example, a student recently created a product dubbed "Auto TRE" (Automated Tolerance Range Evaluation) for which he designed and developed a system that digitally scans a manufactured part, processes the image data, and determines if the part's dimensions are within specified tolerances.

The broad scope of the M.S. in Computer Science and its advanced professional training gives you the tools for solid success in a field of constantly evolving computing disciplines and applications. You can use this degree to either enter the computing field or advance in it — as well as in any field related to it.

Recognized nationally as a leader in experiential education, UNH offers a 30-credit master's degree program in computer science with integrated learning of theory and practice in state-of the-art facilities. The program requires selecting a distribution course from each of the areas of software development, theory and analysis, and computer systems. The seven remaining electives can be tailored to your interests, focusing in areas such as database systems, cyber forensics, networking and security, web development, advanced applications, and more.

No Programming or IT Background? No Problem

There are two versions to the program. One version is for those who already hold a bachelor's degree in Computer Science or a closely related field, while the other is for those with no prior education in these areas. Those coming to the program without this education simply complete a set of six additional bridge courses on the topics of programming and computer systems. These will help you transition from your previous background to a level of readiness that enables you to successfully pursue the rest of the degree program.

Internships

Many full-time students benefit from an internship experience that often leads to full-time employment. Although an internship is not required, you may earn up to three credits (one elective) for participation in an internship. The UNH Office of Experiential Education will assist you in arranging an internship that is relevant to your training and professional goals.

Career Placement for M.S. Computer Science Graduates

The Bureau of Labor Statistics (BLS) reports that employment for the following areas is expected to grow between 11% and 27% from 2014 – 2024:

Web Developer: 27%
Application Software Developer: 19%
System Software Developer: 13%
Information Security Analyst: 18%
Database Administrator: 11%

Sample Employers

Aetna, Inc.
AGS Information, Inc.
Anthem
AT&T
Capital One
Defense Information Systems Agency
General Electric
Hershey Foods Corporation
NASDAQ Stock Market, Inc.
Raytheon
Shell Oil Company Foundation
Sikorsky Aircraft
Vitro Corporation
UNISYS Corp.

Curriculum

- 30 graduate credits are required for completion
- 9 credits of distribution courses and 21 credits of electives
- Students with little or no background in Computer Science may be required to complete as many as 18 additional credits of core courses
- Each student must demonstrate mastery of an advanced programming language
- There are three ways to satisfy a master's project requirement: a thesis for which research would be done; taking a separate course specifically dedicated to a project; or extending a significant project begun in a regular course.

Optional Focus Areas

- **Big data**
- **Cyber Forensics**
- **Mobile Applications**
- **Software development**
- **System Administration**
- **Wireless Networking**

Courses are offered on the main campus during the week, Monday through Friday, both in the day and in the evenings from 6 p.m. – 9 p.m. A small number of Saturday morning and afternoon courses are also offered.

A small number of courses are offered in mini-mester format.

Course Length

- 15-week (full semester term) format (Fall, Spring).
- 7.5-week mini-term (MT) format in either an MT1 or a MT2 session.
- 6-week format in Summer

Time to Completion

A full-time student with an appropriate background would typically finish in 1.5 years. Those students without an appropriate background could need as much as one additional year to complete their degree. A part-time student will take a more variable length of time to complete the degree depending on their background and whether they are taking 1 or 2 courses per term. This would typically range from 2.5 – 5 years.

Core Courses (18 credits, waivable)

Students can waive these if they have the appropriate background (taking a similar course with a grade of B or better).

- **CSCI 6604** - Introduction to Programming/C
- **CSCI 6610** Intermediate Programming/C
- **CSCI 6620** Data Structures
- **CSCI 6632** Algorithm Design and Analysis
- **CSCI 6640** Computer Organization
- **CSCI 6643** Operating Systems

Distribution Courses (9 credits, not waivable)

Select one course from each of the following three categories:

Software Design Methodology

- **CSCI 6623** Rapid Software Development/VB.Net
- **CSCI 6626** Object-Oriented Principles and Practice/C++
- **CSCI 6628** Object-Oriented Analysis and Design
- **CSCI 6655** Web-Database Application Development

Theory and Analysis

- **CSCI 6624** Advanced Database Systems
- **CSCI 6634** Cryptography and Data Security
- **CSCI 6636** Structure of Programming Languages
- **CSCI 6660** Artificial Intelligence

Computer Systems

- **CSCI 6627** Distributed Database Systems
- **CSCI 6642** Computer Networks and Data Communication
- **CSCI 6645** Unix Network Administration
- **CSCI 6647** Systems Programming

Electives (21 credits not waivable)

- 12 credits of Computer Science elective courses based on your focus area
- 6 credits of Restricted elective courses: either CS courses or other technical courses in neighboring disciplines that support your focus area
- 3 credits for a Free elective course: a course from any department that supports your focus area

For More Information Contact:

GRADUATE ENROLLMENT

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203.932.7440 | Toll-free: 1.800.DIAL.UNH (342.5864), ext. 7440
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Produced by Dept. of M.E.C. 110892-0616

CYBER SYSTEMS

{Master of Science}

Put Yourself at the Intersection of Informational Technology and Computer Science

The hands-on exploration of Information Technology. The foundational theory of Computer Science. Cross the two and you'll be at the exact spot where some of the most dynamic and challenging careers are to be found today. Our Cyber Systems program prepares you for these careers with a combination of practical skills and cutting-edge knowledge, leading you to success as an Information Security Analyst, Digital Forensic Examiner, Network Engineer, or System Administrator — to name just a few of your possible career titles.

No Programming or IT Background? No Problem

There are two versions to the program. One version is for those who already hold a bachelor's degree in Computer Science or a closely related field, while the other is for those with no prior education in these areas. Those coming to the program without this education simply complete a set of four additional bridge courses on the topics of programming and computer systems. These will help you transition from your previous background to a level of readiness that enables you to successfully pursue the rest of the degree program.

Choose Your Electives — Choose Your Career Path

Thanks to an ever-evolving set of electives, you can focus on the area that most attracts you. These are the areas that currently show high demand in the field of Cyber Systems:

- **Cyber forensics** — recovering evidence to support a criminal investigation
- **Cybersecurity** — protecting a computing infrastructure in the face of continual security threats
- **Enterprise Networking** — designing, installing, configuring, and maintaining an enterprise infrastructure
- **Wireless Networking** — investigating the properties of the next generation of wireless infrastructures

A Serious Project Prepares You for the Real World of Cyber Systems

You will complete a substantial project that will demonstrate your level of expertise and professionalism so that you can hit the ground running when you land that coveted position in your chosen area. There are three ways to satisfy the project requirement: a thesis for which research would be done; taking a separate course specifically dedicated to a project; or taking a course in which a significant project occurs.

Career Placement for M.S. Cyber Systems Graduates

The Bureau of Labor Statistics (BLS) reports that employment for Network and Computer Systems Administrator is expected to grow 8%, Computer Network Architect 9%, and Information Security Analyst 19%, from 2014 to 2024, much faster than average for all occupations.

Students land positions at top governmental agencies and high-caliber private sector companies due to the strong technical training they receive.

Curriculum

- 30 graduate credits are required for normal completion
- 9 credits of required courses, 15 credits of Cyber Systems electives, 6 credits of Computer Science electives
- Students with little or no background in Computer Science or Information Technology may be required to complete as many as 12 additional credits of core courses

Optional Focus Areas

- **Cyber Forensics**
- **Cyber Security**
- **Enterprise Networking**
- **Wireless Networking**

Courses are offered on the main campus during the week, Monday through Friday, both in the day and in the evenings from 6 p.m. – 9 p.m. A small number of Saturday morning and afternoon courses are also offered. Mini-term courses are offered for a small number of courses.

Course Length

- 15-week (full semester term) format (fall and spring)
- 7.5-week mini-term (MT) format in either an MT1 or a MT2 session
- 6-week summer term format

Time to Completion

A full-time student with an appropriate background would typically finish in 1.5 years. Those students without an appropriate background could need as much as one additional year to complete their degree. A part-time student will take a more variable length of time to complete the degree depending on their background and whether they are taking 1 or 2 courses per term. This would typically range from 2.5 – 5 years.

Core Courses (12 credits, waivable)

Students can waive these if they have the appropriate background (taking a similar course with a grade of B or better).

- **CSCI 6604** Introduction to Programming/C
- **CSCI 6610** Intermediate Programming/C
- **CSCI 6640** Computer Organization
- **CSCI 6643** Operating Systems

Required Courses (9 credits, not waivable)

- **CSCI 6642** Computer Networks and Data Communication
- **CSCI 6646** Introduction to Computer Security
- **CSCI 6651** Introduction to Script Programming/Python

Electives (21 credits, not waivable)

15 credits of Cyber Systems elective courses based on your focus area, including the project requirement credits below and 6 credits of Computer Science elective courses that support your focus area.

Project Requirement

Each student must complete a substantial project. There are three different ways to satisfy the project requirement (please note that this is not an extra course but will be applied as a Cyber Systems or Computer Science elective):

Option 1: Project through a course

The student must choose one from this list:

- **CSCI 6626** C++/OOPP
- **CSCI 6639** Enterprise Network Administration/Windows
- **CSCI 6645** Unix Network Administration
- **CSCI 6648** Cyber Security and Forensics Research Topics
- **CSCI 6649** Enterprise Network Design

Option 2: CSCI 6690 Master's Project Course

Students who plan to complete **CSCI 6690** Master's Project must find a project advisor, prepare a project proposal, and obtain written approval for the project prior to registration.

Option 3: CSCI 6698/CSCI 6699 Thesis I & II

Students who plan to complete a thesis should start in their first or second term at UNH to find a thesis advisor, prepare a thesis proposal, and obtain written approval for the thesis prior to registration.

For More Information Contact:

GRADUATE ENROLLMENT

University of New Haven
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Produced by Dept. of M.E.C. 106923-0616

ELECTRICAL ENGINEERING

Master of Science

Hands-on Application

In a example of collaboration, a research group composed of a master's student in electrical engineering, several other engineering students, and faculty from engineering, physics, and biology developed a novel Bio-Nano-sensor for detection of bacterial pathogens using the principles of CNT-DNA interaction and DNA hybridization. The research work was published in the Journal of Nanotechnology.

The Master of Science program in Electrical Engineering (M.S.E.E.) provides students and practicing engineers alike with a background for analysis, design, development, or research on electrical or computer engineering systems.

Recognized nationally as a leader in experiential education, the University of New Haven offers a hands-on, 30-credit master's degree program in electrical engineering. Designed for both seasoned engineers and new professionals, the program offers students the opportunity to hone a wide variety of professional skills through analysis, design, development, or research on electrical and computer engineering systems. The program allows students to stay abreast of the latest trends and technological advances through the study of digital system design and simulation, computer architecture, microprocessing, and more.

Students in the program enjoy small class sizes, study in state-of-the-art training facilities, and learn from highly educated practitioners with a wealth of industry experience. The program can be completed in as few as 16 months.

Program Options

The Master of Science in Electrical Engineering allows you to pursue either an electrical engineering or computer engineering option to customize your studies.

Sample Employers

Advanced Micro Control,Inc.(AMC)
Assa Abloy
AT&T
Conair Corp.
Goodrich Corp.
Hamilton Sundstrand
Hewlett Packard
Kodak Science Imaging Systems
Siemans Medical
Sikorsky Aircraft
United Parcel Service
United Technologies Corporation
U.S. Patent Office

Curriculum

- 30-graduate credits are required for completion
- 18 required credits to fulfil a focus area, the remaining 12 credits can be taken in any focus area with the permission of graduate coordinator or academic advisor.

Focus Areas:

- **Communications/DSP**
- **Power Systems**
- **Digital and Computer Systems**
- **Control System**

Course Length

- 15-week (full semester term) format

Below is an example of the schedule of course offerings that students can choose from.

First Year

FALL *Full Semester*		SPRING *Full Semester*	
ELEC 6610	ELEC 6646	ELEC 6610	ELEC 6646
ELEC 6634	ELEC 6647	ELEC 6611	ELEC 6650
ELEC 6635	ELEC 6649	ELEC 6634	ELEC 6653
ELEC 6637	ELEC 6650	ELEC 6635	ELEC 6656
ELEC 6640	ELEC 6659	ELEC 6637	ELEC 6657
ELEC 6642	ELEC 6667	ELEC 6640	ELEC 6667
		ELEC 6641	ELEC 6680
		ELEC 6642	ELEC 6682
		ELEC 6643	

Communications/DSP Electives

- **ELEC 6600** Electromagnetic Waves
- **ELEC 6610** Networking I
- **ELEC 6634** Digital Signal Processing I
- **ELEC 6635** Digital Signal Processing II
- **ELEC 6646** Digital Communications I
- **ELEC 6647** Digital Communications II
- **ELEC 6648** Microwave Engineering
- **ELEC 6649** Wireless Communications
- **ELEC 6650** Random Signal Analysis
- **ELEC 6653** Digital Image Processing
- **ELEC 6680** Fiber Optic Communications

Power Systems Electives

- **ELEC 6600** Electromagnetic Waves
- **ELEC 6637** Power Systems Engineering
- **ELEC 6640** Power Electronics
- **ELEC 6642** Power Electronics Laboratory
- **ELEC 6641** Electric Drives
- **ELEC 6643** Electric Drives Laboratory
- **ELEC 6634** Digital Signal Processing I
- **ELEC 6650** Random Signal Analysis

Digital and Computer Systems Electives

- **ELEC 6610** Networking I
- **ELEC 6611** Networking II
- **ELEC 6634** Digital Signal Processing I
- **ELEC 6653** Digital Image Processing
- **ELEC 6656** Hardware Description Language
- **ELEC 6657** VLSI Design
- **ELEC 6659** System on Chip
- **ELEC 6682** Computer Architecture

Control System Electives

- **ELEC 6604** Discrete and Continuous Systems II
- **ELEC 6605** Computer Controlled Systems
- **ELEC 6606** Robot Control
- **ELEC 6607** Adaptive Control
- **ELEC 6634** Digital Signal Processing I
- **ELEC 6640** Power Electronics
- **ELEC 6650** Random Signal Analysis
- **ELEC 6685** Optimization of Engineering Systems

For More Information Contact:

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gradinfo@newhaven.edu | **www.newhaven.edu/grad**

Produced by the Office of Marketing & Communications 110893-1116

ENGINEERING AND OPERATIONS MANAGEMENT

Master of Science

Hands-on Application

Factory visits allow students to see manufacturing in action — from making ball bearings at Barden Bearings to high-grade door hardware at Assa Abloy to complex and precision machining at Valley Tool & Manufacturing. Other companies that participate in this program include Sikorsky, Edgewell, and Medtronic, where students learn the ins and outs of production, productivity maximization, purchasing through complex global supply chains, the use of lean techniques and six sigma to increase profitability, and how to conduct value stream mapping exercises.

The Master of Science degree in Engineering and Operations Management (MS EOM) provides engineering and technical professionals with the knowledge and skills required to assume leadership positions in manufacturing and service organizations in a global market.

Created for individuals who aspire to be involved in managing operations and organizations, the MS EOM program at the University of New Haven melds state-of-the-art engineering methodologies combined with state-of-the-art software with key components of business-related topics such as finance, marketing, and management theory. Students in this program get excellent exposure to real-world engineering and operations management practices. The program places heavy emphasis on project-based learning, giving students the opportunity to network with other professionals and gain real-world practice in the classroom. Internships in the program typically lead to full-time jobs at both large and small organizations as demand is high and the number of engineering management graduates is limited.

Program highlights include:

- Advanced education in the use of scarce resources, managing workforce teams, establishing effective supply chains, assuring high-quality products and services, establishing customer relationships, and planning successful organizational operations
- Business basics such as finance, marketing, and organizational change and development topics
- An accelerated M.S. in Engineering and Operations Management Cohort Program for working professionals meeting one afternoon per week
- Classes are available at our main West Haven Campus, Orange Campus, or New London Campus
- Exceptional teaching faculty with industry experience

Sample Employers

Comcast Corp.
Dell
Electric Boat
Pfizer
Pratt & Whitney
Sikorsky Aircraft
The Lee Company
The United Illuminating
Unilever
United Technologies Corporation
U.S. Department of Defense
Verizon

Curriculum

- 30 graduate credits are required for completion
- Lock-step program with courses and path already defined
- Availability of online and hybrid modes for some courses
- Plant tours and field trips included in some courses
- Degree project requirement embedded in a required course

Courses are typically offered in the evenings Monday through Thursday, 6 p.m. – 8:40 p.m. on the main campus. Some courses are additionally offered during the day, Monday through Saturday.

Course Length

- 15-week (full semester term) format
- 7.5 week (mini term) and 6 week (summer) format

Time to Completion

- A full-time student with an appropriate background would typically need 1.5 years to complete the program although completion in one calendar year is possible. Those students without an appropriate background could need as much as one additional semester, depending on their preparations. Part-time students will take a more variable length of time to complete the degree depending on their background and whether they are taking 1, 2, or more courses per term. This would typically range from 2 – 4 years.
- The average time to degree completion is 18 months.

Required Courses

- **EGRM 6604**
  Concepts of Engineering & Quality Management
- **EGRM 6607**
  Decision Making Under Uncertainty
- **EGRM 6609**
  Applied Statistics for Quality&Engineering Management
- **EGRM 6613**
  Organizational Change & Development
- **EGRM 6615**
  Applied Marketing for Engineers&Operations Managers
- **EGRM 6617**
  Engineering Economics and Cost Estimating
- **EGRM 6630**
  Project Management
- **EGRM 6641**
  Supply Chain Management
- **EGRM 6627**
  Value Engineering and Design
  or
  EGRM 6628
  Six Sigma Quality Planning
- **EGRM 6639**
  Achieving Optimal Operations
- **EGRM 6681**
  Simulation Techniques and Applications
  (includes required capstone project)
  or (possible in special cases)
  EGRM 6690
  Research Project

Below is a possible schedule of coursework for a 1.5 year (18 months) program completion. Rearrangement of some of the courses is possible.

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Session I or II*	FALL *Full Semester*
EGRM 6604	BIOM 6630	EGRM 6630	EGRM 6639
EGRM 6609	EGRM 6607		EGRM 6617
EGRM 6615	EGRM 6641		EGRM 6681
EGRM 6613	EGRM 6627 or 6628		

For More Information Contact:

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Produced by the Office of Marketing & Communications 111370-1116

ENVIRONMENTAL ENGINEERING

{Master of Science}

In an increasingly interconnected world, the field of environmental engineering has expanded rapidly to include areas such as water and air pollution, groundwater contamination, solid and hazardous waste management, and industrial waste treatment.

Recognized nationally as a leader in experiential education, UNH offers an exciting, hands-on, 30-credit master's degree program in environmental engineering that can be completed **on campus or fully online**. Students in the program learn to develop sustainable solutions to complex environmental problems through concentrated study of environmental protection issues, water quality, water purification, wastewater treatment, solid waste management systems, site remediation, and emission control measures. A required research project allows students to explore complex contemporary environmental issues and apply knowledge obtained through integrated classroom and field study in the program.

Some additional highlights of the program include:

- Vigorous, professionally-oriented courses enriched with field applications and case studies.
- Effective instruction in a learning environment that combines small classes and individual attention with state-of-the-art instructional technologies
- Convenient scheduling for part-time students who are working professionals
- Program focus areas in water resources, water and wastewater treatment, and industrial and hazardous waste management
- World class faculty with expertise and research in water resources, hydrology, and decomposition of hazardous materials
- Rooted in professional practice, the program draws on in-depth case studies and research to prepare students to solve complex environmental problems

Real-World Application

Students take their pick from an array of research opportunities. Typically, they participate in laboratory or modeling research activities under close supervision of a faculty advisor. Students may also pursue research independently as part of their research project or through internships in industrial or governmental partners. Such research may culminate in presentations at scientific conferences or in being published in research journals.

Sample Employers

BP Oil Corporation
CDM Smith
Chemtura Corporation
Connecticut DEP
Connecticut Department of Transportation
GeoDesign, Inc.
New Jersey DEP
Northeast Utilities
Olin Corporation
South Central Connecticut Regional Water Authority
Unilever
United States Navy
United States Surgical Corporation
United Technologies Corporation

Job opportunities in environmental engineering are **expected to grow 15% through 2022**, according to the Bureau of Labor Statistics.

Start online or on-campus classes up to six times per year.

Curriculum

- 30 graduate credits are required for completion

Curriculum Options

- 10 Courses, one of which will be CIVL 6618, CIVL 6620, CIVL 6614 (Research Project)
- 9 Courses + CIVL 6690 (Research Project)
- 8 Courses + CIVL 6698 (Thesis I) + CIVL 6699 (Thesis II) (on-campus)

Optional Focus Areas (on-campus)

- **Industrial and Hazardous Waste**
- **Water and Wastewater Treatment**
- **Water Resources**

Courses are offered in the evenings Monday through Thursday from 6 p.m. – 9 p.m. on the main campus. Offered in multiple formats including on-campus, online, or hybrid (a mix of online and on-campus evening sessions).

Course Length

- 15-week (full semester term) format
- 7.5-week mini-term (MT) format in either MT1 or MT2 session (online)
- 6.5-week summer term format

Time to Completion

The average time to degree completion is 15 months on-campus and 24 months online.

Below is an example of the schedule of course offerings over the first year for the on-campus program.

FALL *Full Semester*		SPRING *Full Semester*		SUMMER	
				MT1	MT2
CIVL 6601	CIVL 6614	CIVL 6602	CIVL 6618	CIVL 6605	CIVL 6606
CIVL 6603	CIVL 6620	CIVL 6610	CIVL 6623		

Below is an example of the schedule of course offerings over the first year for the online program.

FALL		SPRING		SUMMER	
MT1	MT2	MT1	MT2	MT1	MT2
CIVL 6602	CIVL 6618	CIVL 6603	CIVL 6605	CIVL 6610	

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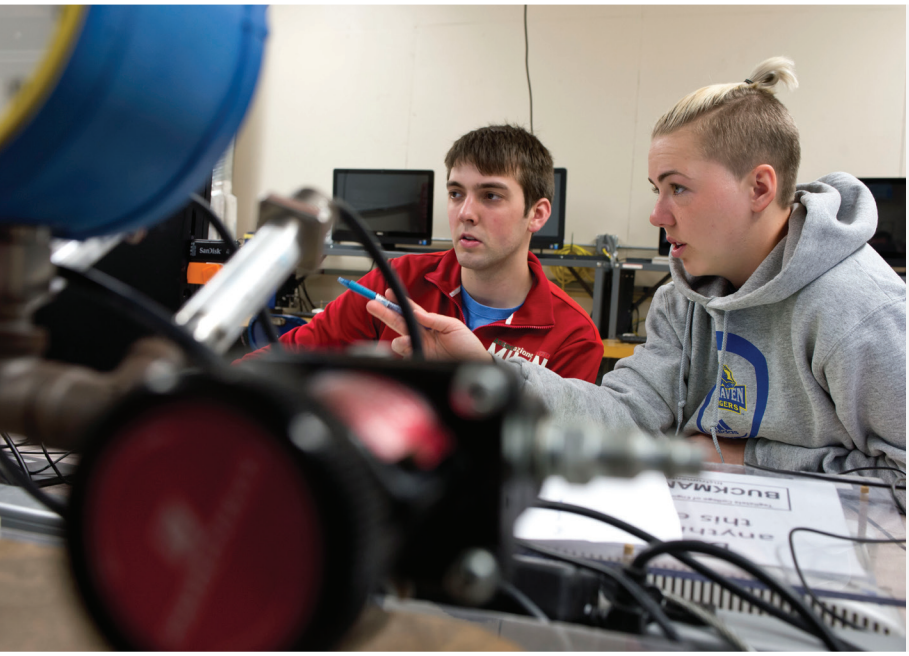
Produced by Dept. of M.E.C. 110894-0616

INDUSTRIAL ENGINEERING

Master of Science



Hands-on Application

Faculty-mentored research plays a strong role in the hands-on experience of industrial engineering master's degree students. One current project is supported by HID Global and involves students' improving the flow and organization of a production facility using lean and operations research principles and models. Other challenges sponsored by local industry include studies of machining cells, production line layouts, and work and assembly methods.

The University of New Haven's M.S. in Industrial Engineering program trains students to be problem solvers, equipping them with tools and techniques to tackle problems in complex, human-machine integrated, manufacturing and service systems. Graduates of the program are fully prepared to address quality and reliability issues, assembly bottlenecks and queues, performance and process improvement initiatives, wasteful delays, and inventory.

The 21st century manufacturing or service organization deals with highly complex problems, including global competition, environmental issues, rapidly changing trends in technology, and rising customer expectations. Recognized as a leader in experiential education, the University meets these challenges with a well balanced, 30-credit master's degree program in industrial engineering for qualified candidates. Coursework covers a broad range of topics, including decision analysis, reliability engineering, simulation, quality engineering, Lean Six Sigma, supply chain and logistics, data analytics, and more.

We offer small class sizes, state-of-the-art training facilities, and instruction from highly educated practitioners with relevant academic credentials and a wealth of industry experience. A personal academic advisor is assigned to each student through degree completion. Admission to the program is competitive. Students can start in either the fall or spring semester. Candidates with engineering, technology, math, and science credentials are highly encouraged to apply. For students without an ABET-accredited undergraduate degree in industrial engineering, up to three additional prerequisite courses may be required. Our faculty of expert academics and highly skilled industry professionals are engaged in a variety of research and projects with local industries. Current projects include network optimization, healthcare process improvement, simulation modeling and analysis of manufacturing operations, multi-criteria, multi-attribute decision modeling, and sustainability in manufacturing.

Sample Employers

CDI Engineering
Ford Motor Company
General Dynamics
Honeywell, Inc.
Kitchen Brains
Medtronic
Pitney Bowes, Inc.
Pratt & Whitney
SAP America, Inc.
Sargent – ASA ABloy
Schick
Sikorsky Aircraft
The Lee Company
UNISYS Corp.
United States Postal Service
Yale New Haven Hospital

Curriculum

- 30 graduate credits are required for completion (Any prerequisite or preparatory courses would be additional to the 30 credits)
- 7 required courses (21 credits) and 3 elective courses (9 credits) are needed for completion of this program
- M.S. thesis option is available for further academic pursuits
- Optional internship

Dual Degree Option (60-75 credits)

- **MBA/M.S. Industrial Engineering (MSIE)** is available to applicants with an undergraduate degree from an ABET accredited engineering program.

Courses are typically offered in the evenings, Monday through Thursday 6 p.m. – 8:40 p.m. on West Haven campus. Some courses are additionally offered during the day, Monday through Saturday.

Course Length

- 15-week (full semester term) format
- 7.5-week (mini-term) and 6-week (summer) format

Time to Completion

- A full-time student with an appropriate background would typically need 1.5 years to complete the program although completion in one calendar year is possible. Students without an ABET accredited degree in Industrial Engineering may be assessed up to additional three courses (9 credits), depending on their undergraduate background and preparation.
- The average time to completion is 18 to 24 months.
- Part-time students will take a more variable length of time to complete the degree depending on their background and whether they are taking 1, 2, or more courses per semester. This would typically range from 2 – 4 years.

Required Courses

- **INDE 6601**
  Introduction to Operations Research/Management Science
- **EGRM 6617**
  Engineering Economics and Cost Estimating
- **INDE 6624**
  Quality Analysis
- **INDE 6651**
  Human Engineering I
- **INDE 6655**
  Manufacturing Analysis
- **INDE 6681**
  System Simulation
- **INDE 6688**
  Design of Experiments

Sample Electives

- **EGRM 6639**
  Achieving Optimal Operations (Lean)
- **EGRM 6628**
  Six Sigma Quality Planning
- **EGRM 6641**
  Supply Chain Management
- **INDE 6643**
  Reliability and Maintainability
- **INDE 6623**
  Decision Analysis

Below is a typical schedule of coursework for a 1.5 year (18 months) program completion.

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Session I or II*	FALL *Full Semester*
INDE 6601 INDE 6655 Approved Electives	INDE 6688 EGRM 6617 INDE 6651	Approved Electives Optional Internship	INDE 6624 Approved Electives INDE 6681 (project course)

For More Information Contact:

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MECHANICAL ENGINEERING

Master of Science

Hands-on Application

Mechanical engineering students can choose the topic for their research projects. A group of students recently opted for the highly relevant and newsworthy topic of renewable, alternative energy sources for their project. Their work explored solar heating of domestic hot water systems, wind turbine energy, and heat pipe theory as it relates to evacuated solar collectors.

The Master of Science degree in Mechanical Engineering prepares young engineers to enter the competitive engineering workforce or to embark on their further academic studies in a Ph.D. program.

Recognized Recognized nationally as a leader in experiential education, the University of New Haven offers an intensive, 30-credit master's degree program in mechanical engineering. Take advantage of practical and hands-on study both inside and outside of the classroom with courses in finite-elements, renewable energy systems, computer-aided engineering, computational fluids ,structural mechanics and more. Course study is enhanced through a number of interactive, state-of-the-art facilities including our instrumentation/mechanics laboratory, thermofluids laboratory, solar testing equipment and engineering, maker space, and more. You will also have the opportunity to choose between a project or thesis option to complete your program with a focus on an area of research of your choosing. Classes are small and personalized with an average of 20 students per class.

Courses that Build Knowledge and Skills

Students complete 30 credits, 15 credits of required, and 15 credits of electives. Course work builds the essential strong analytic capabilities that mechanical engineers need while including relevant technical skills most employers and Ph.D. students desire. Most courses have project components or are design oriented content so students can apply their analytic & technical skills to real world problems.

Sample Employers

Ametek Corp.
Covidien
David Taylor Research Center
General Dynamics C4 Systems
General Electric
JKL Technology, Inc.
Lockheed Martin
Naval Underwater Systems
RBC Bearings
Spectrum Associates, Inc.
Texas Instruments
United Technologies Corporation
Vermeer

Curriculum

- 30 graduate credits are required for completion
- 5 required courses (15 credits) and 5 elective courses (15 credits) are needed for completion of this program

Specialized areas of study include:

- **Computational Fluids**
- **Biomechanics**
- **Heat transfer**
- **Applied Mechanics**
- **Solid mechanics/computer-aided design**
- **Renewable Energy Systems**

Courses are offered both days and evenings Monday through Thursday. Most classes are evenings from 6 p.m. – 9 p.m. on the main campus.

Course Length

- 15-week (full semester term) format

Time to Completion

- The average time to completion is 18 to 24 months.

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*	SPRING *Full Semester*
MECH 6602	MECH 6604
MECH 6615	MECH 6605
MECH 6630	MECH 6645
MECH 6632	Special Topics
MECH 6627	Electives
Special Topics	
Electives	

Required Courses

- **MECH 6602** Mechanical Engineering Analysis
- **MECH 6610** Advanced Dynamics
- **MECH 6615** Elasticity
- **MECH 6630** Advanced Fluid Mechanics
- **MECH 6632** Applied Conduction Heat Transfer

Electives

- **MECH 6604** Numerical Techniques in Mechanical Engineering
- **MECH 6605** Finite Element Methods in Engineering
- **MECH 6611** System Vibrations
- **MECH 6613** Fundamentals of Acoustics
- **MECH 6620** Classical Thermodynamics
- **MECH 6625** Mechanics of Continua
- **MECH 6627** Computer-Aided Engineering
- **MECH 6633** Convection Heat Transfer
- **MECH 6635** Dynamic Systems and Control
- **MECH 6638** Measurement and Instrumentation in ME
- **MECH 6642** Combustion
- **MECH 6645** Computational Fluid Dynamics and Heat Transfer
- **MECH 6647** Two-Phase Flow
- **MECH 6651** Microscale Energy Transfer
- **MECH 6655** Interfacing Mechanical Devices
- **MECH 6670** Special Topics
- **MECH 6690** Research Project
- **MECH 6695** Independent Study I
- **MECH 6696** Independent Study II
- **MECH 6698** Thesis I
- **MECH 6699** Thesis II

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商学院

COLLEGE OF BUSINESS

ACCOUNTING

Master of Science

The Bureau of Labor Statistics notes that many employers would rather hire applicants in the field of accounting who have a master's degree, either in accounting or in business administration with a concentration in accounting. As a result, students who pursue an M.S. in accounting gain an advantage in the job hunt.

Our College of Business is Among the Top 5% Worldwide

Specialize in the sub-disciplines within the field

To be successful in the field of accounting, you must not only have a full understanding of accounting principles and the skills to put them into practice but, you also must be an expert in the sub-disciplines within accounting.

That's why our program is focused on preparing you for a career that requires significant exposure to – and a firm grasp of – these sub-disciplines:

Corporate concentration: Prepare to refine your accounting skills for a career in either a publicly held or private company. Learn about financial, managerial, taxation and International accounting and taxation standards and procedures and how to apply them to various entities.

Forensic concentration: Demand for programs in forensic accounting has risen due to the increase in regulations in the wake of the 2008 financial crisis. You will learn about investigative accounting, valuation theory and practice, fraud examination, and more.

Taxation concentration: The taxation concentration will enable you to advise clients regarding the tax law. This track concentrates on federal income taxation as it relates to corporations, partnerships, and limited liability companies.

Become a valuable asset in decision-making

The in-depth understanding you will gain in corporate, forensic, and taxation accounting will equip you with the knowledge and ability to understand the role of accounting information in the decision-making process. When you are able to make that kind of contribution to your employer, you become a highly valuable asset. The program further strengthens your abilities in the arena of decision-making by stressing effective communication and collaboration skills and ethical-reasoning ability.

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Job Outlook

A Masters in Accounting opens the doors to the top-level jobs in the accounting profession, including Certified Public Accountant. The Bureau of Labor Statistics states that the employment of accountants is expected to grow 11% through 2024, which is faster than average for all occupations. The BLS reports that the top 10% of those in the accounting profession earned around $116,000.

Curriculum

- At least 30 graduate credits are required for completion
- Pre-requisite coursework includes: **ACCT 6620**, **ACCT 6621**

Courses are offered in multiple formats including on-campus, hybrid, and online. All on-campus sessions are held at the Orange Campus in the evening from 6 p.m. – 9 p.m.

Course Length

- 15-week (full semester term) format
- 6.5 week (summer term) format

Time to Completion

- 12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).
- The average time to degree completion is 12 months.

Below is an example of the schedule of course offerings over the first year.

Corporate Accounting Concentration

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
ACCT 6630	ACCT 6636	ACCT 6631
ACCT 6652	ACCT 6641	ACCT 6650
ACCT 6654	ACCT 6661	
ACCT 6637	ACCT 6695	

Forensic Accounting Concentration

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
ACCT 6630	ACCT 6631	ACCT 6662
ACCT 6652	ACCT 6656	LAWS/LSTD Elective
ACCT 6654	ACCT 6631	
ACCT 6655	ACCT 6695	

Taxation Concentration

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
ACCT 6630	ACCT 6602	ACCT 6631
ACCT 6652	ACCT 6604	ACCT 6650
ACCT 6654	ACCT 6605	
ACCT 6601	ACCT 6615	

Required Courses

- **ACCT 6620** Financial Accounting for Managers (waivable)
- **ACCT 6621** Managerial Accounting (waivable)
- **ACCT 6630** Current Topics in Financial Accounting
- **ACCT 6631** Advanced Financial Accounting
- **ACCT 6650** Advanced Accounting Theory
- **ACCT 6652** Auditing and Assurance Services Seminar
- **ACCT 6654** Financial Statements: Reporting and Analysis
- **ACCT 6695** Research Project

Corporate Accounting Concentration

- **ACCT 6636** Analysis of Federal Income Taxation II
- **ACCT 6637** International Accounting and Taxation
- **ACCT 6641** Accounting Information Systems
- **ACCT 6661** Managerial Accounting Seminar

Forensic Accounting Concentration

- **ACCT 6655** Forensic and Investigative Accounting
- **ACCT 6656** Valuation Theory and Practice in Forensic Accounting
- **ACCT 6662** Fraud Examination

Plus one of the following:

- **LSTD 6640** Litigation and Ethics for Forensic Accounting
- **LSTD 6642** Legal Issues in Litigation Support and Forensic Accounting
- **LSTD 6643** Fraud Schemes and the Law

Taxation Concentration

- **ACCT 6601** Fundamentals of Federal Income Taxation
- **ACCT 6602** Taxation of Property Transactions
- **ACCT 6604** Taxation of Business Entities
- **ACCT 6605** Partnership and Limited Liability Company Income Taxation

For More Information Contact:

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FINANCE

Master of Science

Hands-on Learning

Student-managed portfolios. Teams of University of New Haven finance students compete to devise investment strategies for the DellaCamera stock and Graduate Bond portfolios. The experience gives students the chance to use the investment evaluation methods they learn in class and apply them using real money.

The University of New Haven has been awarded entry to the Chartered Financial Analyst (CFA) Institute's University Recognition Program. This means that our degree program incorporates at least 70% of the CFA Program's Candidate Body of Knowledge. Entry into the CFA Institute University Recognition Program signals to potential students, employers and the marketplace that our finance curriculum is closely tied to professional practice and is well-suited to preparing students to sit for the CFA examinations.

Our College of Business is Among the Top 5% Worldwide

The University of New Haven M.S. in Finance program is designed to prepare students to succeed in the competitive world of stock market trading and investment analysis. Students gain experience through a rigorous curriculum, internships, and real world projects. Graduates of the program will know and apply the standard features of the three core areas of finance: investments, corporate finance, and derivatives. Students use sophisticated data bases such as the Bloomberg, Data Stream, Thompson, Reuters, Eikon, and others. Classes are small and the program is comprehensive. The program consists of 10 three credit courses, including a capstone requirement completed under faculty supervision.

The program prepares students to succeed in the competitive world of stock market trading and investment analysis. Visits to the New York Stock Exchange, the Federal Reserve, and other trips create an experiential atmosphere to give graduates the tools to advance their careers.

Career Placement for M.S. Finance Graduates

According to the Occupational Outlook Handbook, available positions for financial analysts are expected to grow 16% to 2022, higher than average. The likely employers are in the insurance industry, hedge fund management, and private equity firms. Specialty training is more attractive to the international market than the general MBA degree.

Preparation for the CFA Exams

Our CFA review courses will put you on the road to earning the Chartered Financial Analyst® credential, the most respected investment designation in the world. Faculty members will assist you in preparing for both the Level I and Level II exams.

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Bergami Learning Center for Finance and Technology (LCFT)

The LCFT houses our financial databases, news, and analytical programs. The central idea of the LCFT is to provide students with a broad range of data sets and tools that they will use both within and outside of their courses. These are the very tools used in industry and include the following:

- **Daily Market Overview**
- **Bond Data**
- **Company Financial Data**
- **Forecasts**
- **Executive Compensation**
- **Economic Data**
- **Mutual Funds and Hedge Funds**
- **Trading System Interface with Bloomberg**
- **Statistical Software**

Curriculum

- At least 30 graduate credits are required for completion
- Pre-requisite coursework includes: **ACCT 6620**, **ECON 6601**, **QANL 6604**, and **FINC 6601**

Courses are offered in multiple formats including on-campus, hybrid and online. All on-campus sessions are held at the Orange Campus in the evening from 6 p.m. – 9 p.m.

Course Length

- 15-week (full semester term) format
- 6.5 week summer term format

Time to Completion

- 12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).
- The average time to degree completion is 18 months.

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
FINC 6605	FINC 6611	FINC 6620
FINC 6610	FINC 6613	FINC 6691
ACCT 6654	FINC 6681	
FINC 6632	FINC 6650	

Required Courses

- **FINC 6605**
  Data Evaluation and Modeling
- **FINC 6610**
  Capital Market Theory
- **FINC 6611**
  Equity Market Valuation and Analysis
- **FINC 6613**
  Derivative Market Analysis and Trading Techniques
- **FINC 6620**
  Capital Markets and the Valuation of Fixed Income Securities
- **FINC 6632**
  International Financial Management
- **FINC 6650**
  Data Analysis: Trading Room Applications
- **ACCT 6654**
  Financial Statements: Reporting and Analysis
- **FINC 6691**
  Masters Project in Finance

Electives (choose one)

- **FINC 6602**
  Finance Strategy and Valuation
- **FINC 6625**
  Advanced Capital Market Issues
- **FINC 6630**
  Corporate Financial Analysis and Applications
- **FINC 6681**
  CFA Exam Review
- **FINC 6693**
  Internship
- **FINC 6695**
  Independent Study I

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HEALTHCARE ADMINISTRATION

Master of Science

Hands-on Application

The healthcare administration program allows students to take advantage of internship opportunities to help you prepare for work in the healthcare industry.

Healthcare organizations need professionals who understand the healthcare industry's rapidly changing policies and practices, who have business skills and knowledge, and who know how to build and maintain relationships internal and external to organizations. Our MS in Healthcare Administration program prepares you to become a leader in healthcare and to be a vital member of healthcare organizations and the profession.

Recognized as a leader in experiential education, the University of New Haven offers a cutting-edge, rigorous, 36-credit master's degree in healthcare administration. The program provides a deep understanding of the healthcare industry, business knowledge and skills, and communication and relationship management. The program also teaches students what it means to be a healthcare management professional and a leader in the healthcare industry of the 21st century.

Features of the program include:

- A healthcare administration degree offered through a College of Business means that you have access to experts in business and healthcare at your fingertips.
- Students receive a 100% individualized degree plan to tailor each course of study to their specific professional and career goals.
- Every student has an academic advisor that meets with them every semester to keep them on track.
- Every student will have at least one experiential learning opportunity with a healthcare organization.
- The University has a stellar advisory board for the program comprised of healthcare executives and industry experts.
- The internship program offers numerous opportunities throughout Connecticut.
- The University has strong relationships with major health systems in the region including Yale New Haven Health System, Hartford Healthcare, Mt. Sinai Health System, Milford Hospital, and others.
- The active graduate student organization includes FREE membership to the American College of Healthcare Executives (ACHE).
- Students have access to internship and fellowship fairs on campus and across the region.
- Students have access to healthcare executive panels and one-on-one mentoring sessions with healthcare leaders from throughout the region.
- Employees of Yale New Haven Health System are encouraged to apply to the on-site program offered at Yale New Haven Hospital.

Graduate Certificate

For students wishing to complete a shorter and more concentrated course of study, students may choose a graduate certificate program in Healthcare Management. MSHA students may elect to earn this Certificate or one of the many certificates offered with program director approval.

Sample Employers

Aetna, Inc
Anthem Blue Cross Blue Shield
Bridgeport Hospital
Connecticut Eye Centers
Connecticut Hospice
Connecticut Orthopedic Group
Hartford Healthcare
St. Raphael's Hospital
St. Vincent's Hospital
United Healthcare
U.S. Department of Veteran's Affairs
Walgreens
Yale New Haven Health System

Courses for this program are offered online and on-campus.

Curriculum

- 36 graduate credits are required for completion
- 9 required courses (27 credits) plus 3 courses (9 credits) that may be taken as unrestricted electives or in a focus area

Optional Focus Areas:

- **Health Informatics and Data Analytics (HI)**
- **Population Health Management and Public Health (PH)**
- **Leadership and Ethics (LE)**
- **Health Policy and Finance (HPF)**

Courses are offered in the evenings Monday through Thursday from 6 p.m. – 9 p.m. on the main campus. They are offered in multiple formats including on-campus, online, or hybrid (a mix of online and in class evening sessions).

Course Length

- 15-week (full semester term) format
- 7.5-week mini-term (MT) format in either an MT1 or a MT2 session
- 6.5-week summer term format

Time to Completion

12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).

Most students complete the M.S. in 12 months.

Required Courses

- **HCAD 6600**
  Introduction to U.S. Healthcare System
- **HCAD 6601**
  Management of Healthcare Organizations
- **HCAD 6602**
  Management Information Systems in Healthcare
- **HCAD 6603**
  Financial Management of Healthcare Organizations
- **HCAD 6604/PSCI 6635**
  Law and Public Health
- **HCAD 6605**
  Healthcare Ethics
- **PADM 6611**
  Research Methods in Public Administration
- **HCAD 6607/COMM 6623**
  Communication in Healthcare
- **HCAD 6608**
  Healthcare Administration Capstone

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*		SPRING *Full Semester*		SUMMER *Full Semester*	
HCAD 6603 PADM 6611 HCAD 6608		HCAD 6603 PADM 6611 HCAD 6608			
MT1	**MT2**	**MT1**	**MT2**	**MT1**	**MT2**
HCAD 6600 HCAD 6601 HCAD 6602 HCAD 6604 HCAD 6605	HCAD 6600 HCAD 6607	HCAD 6601 HCAD 6602 HCAD 6607	HCAD 6600 HCAD 6607	HCAD 6600 HCAD 6602 HCAD 6605	EMGT 6610 EMGT 6630

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MASTER OF BUSINESS ADMINISTRATION

M.B.A.

"I received a great education at the University of New Haven. I believe my MBA degree directly impacted my initial hiring by my company. There were thousands of applicants for the same position, and even though a graduate degree was not required, my education made me a standout."

— Donna E. Palmieri, M.B.A., Senior Technical Team Lead at AT&T

Our College of Business is Among the Top 5% Worldwide

The M.B.A. program is designed to transform current and future business leaders. Build your knowledge base and hone your skills to become a strategic, collaborative, and corporate thinker, ready to navigate the business challenges professionals are faced with today.

Recognized nationally as a leader in experiential education, the University of New Haven offers a flexible part-time and full-time AACSB accredited M.B.A. program designed for both seasoned professionals and those with little or no experience in business. The program is built on a series of foundational courses in core business subjects like marketing, management, and economics followed by a series of advanced courses and a selection of electives or courses in a concentration area. Each of the program's six concentrations provides students with a specific subset of coursework to prepare them for their anticipated career path. For students with recent coursework in business, the core business classes (up to 18 credits) may be waived. Those students who are eligible for a waiver of all six core courses may complete the program in one year.

Students may pursue the degree by taking classes offered in a full-time day format or flexible evening format. Hybrid and online classes are also available. Classes are offered at our Orange Campus which boasts a beautiful location, smart-classrooms and small group workspaces to foster a dynamic, collaborative student and faculty experience.

Choose your concentration

For greater adaptability and flexibility, select from one of the concentration areas:

- Accounting
- Business Intelligence
- Business Policy and Strategic Leadership
- Finance
- Human Resource Management
- International Business
- Marketing
- Sport Management

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Sample Employers

Aetna
Allied-Signal Incorporated
Anthem Incorporated
Assa Abloy
Bank of America
Bic Corporation
Boehringer Ingelheim
Bristol-Myers Squibb
CIGNA Corporation
Covidien
Electric Boat Corporation
Ernst & Young
ESPN
Eversource Energy
General Electric
Hewlett-Packard
Hubbell Incorporated
IBM
ING
John Hancock Financial Services
Merrill Lynch
People's United Bank
Perkin Elmer Corporation
Pfizer Incorporated
Pitney Bowes
PricewaterhouseCoopers
Procter & Gamble
Robert Half International
Stanley Black & Decker
The Hartford Financial Services Group
The Lee Company
Travelers
UBS Financial Services
Unilever Incorporated
United Illuminating
United Technologies
Yale New Haven Hospital
Yale University

Curriculum

- 48 graduate credits are required for completion
- 12 required courses (36 credits) plus 4 courses (12 credits) that may be taken as unrestricted electives or in a particular area for a Concentration.

Concentrations

- **Accounting** (5 electives)
- **Business Intelligence**
- **Business Policy & Strategic Leadership**
- **Finance** (5 electives)
- **Human Resource Management**
- **International Business**
- **Marketing**
- **Sport Management**

Dual Degree Options (60-75 credits)

- **M.B.A./Master of Public Administration (M.P.A.)** is available to those with career objectives focused in both the public and private sector.
- **M.B.A./M.S. Industrial Engineering (M.S.I.E.)** is available to applicants with an undergraduate degree from an ABET accredited engineering program.

Courses are offered during the day and in the evenings Monday through Friday, mainly at our serene Orange Campus. Offered in multiple formats including on-campus, online, or hybrid (a mix of online and in class sessions).

Course Length

- 15-week (full semester term) format
- 6.5 week summer term format

Time to Completion

- 12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).
- The average time to degree completion is 18 months.

Core Courses
(18 credits, waivable)

- **ACCT 6620**
  Financial Accounting for Managers
- **ECON 6601**
  Macroeconomics and Microeconomics
- **FINC 6601**
  Financial Management
- **MGMT 6637**
  Management Process
- **MKTG 6609**
  Marketing
- **QANL 6604**
  Probability and Statistics

Advanced Courses
(18 credits, not waivable)

- **ACCT 6621**
  Managerial Accounting
- **ECON 6629**
  Business and Society
- **FINC 6602**
  Finance Strategy and Valuation
- **INTB 6644**
  Managing in Global Markets
- **MGMT 6645**
  Management of Human Resources
- **MGMT 6669**
  Strategic Management

Below is an example of the schedule of course offerings over the first year.

FALL		SPRING		SUMMER	
ACCT 6620	MGMT 6637	QANL 6604	FINC 6601	FINC 6601	ECON 6601
ECON 6601	QANL 6604	ACCT 6620	MKTG 6609	MKTG 6609	MGMT 6637
ECON 6629	MGMT 6669	ACCT 6621	ECON 6629	ACCT 6621	FINC 6602
MGMT 6645	INTB 6644	MGMT 6645	FINC 6602	MGMT 6669	INTB 6644
Electives/ Concentration		Electives/ Concentration		Electives/ Concentration	

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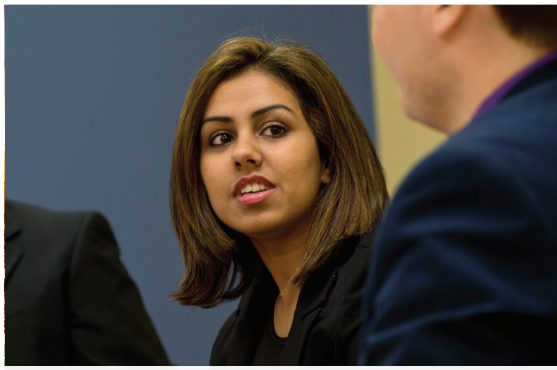
SPORT MANAGEMENT

Master of Science



Our College of Business is Among the Top 5% Worldwide

Our master's program is the oldest and most established in Connecticut. It is one of the oldest business school based programs in the world, having a track record of turning out industry leaders for over 30 years.

The program is focused on training industry leaders to work in all facets of the sport and entertainment industry. The program has numerous alumni working from league commissioners to facility managers, box office managers, and account executives as just some examples. Our program has earned significant praise from alumni and industry professionals including being ranked one of the best in the world by *Sport Business International Magazine*.

The master's degree in Sport Management offers a hands-on, experiential education based, ten course, 30 credit hour program designed to prepare students for a successful career within the industry. The faculty works closely with the students in regards to internships and various opportunities to learn from experienced industry professionals. Students within the program can earn assigned industry mentors who will help build and/or expand one's experience, knowledge and network. We have brought to campus over the years experienced sports professionals such as ESPN's Chris Berman, Major League Baseball Commissioner Bud Selig, New York Yankees General Manager Brian Cashman, Former NBA Player and sport analyst Jalen Rose, NFL sport agent Joe Linta, and many more industry leaders. Besides numerous guest speakers, facility tours, and faculty led industry research projects, we have three full-time faculty members each with strong industry experience and reputations who are there during and after your studies to help you as needed.

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Exceptional Alumni Network

David Beckerman, Founder and Former CEO of Starter Corporation

Tony Sparano, NFL Coach

Chris Brown, Vice President, Guest Experience & Venue Services, New York Mets

Brent Fisher, Senior Vice President, Distribution, Affiliate Sales & Marketing at MLB Network

Dean Lombardi, Former President/ General Manager, Los Angeles Kings

Nick Sakiewicz, Commissioner, National Lacrosse League (NLL)

Jef Thiffault, Managing Director, National Premier Soccer League/ Partner, Contigo Sports

Lindsey Salt, Senior Account Executive, Octagon

Meghan Miller, Senior Associate Athletics Director for Compliance, Sacred Heart University

Sample Internships/Employment Sites

Athletic Departments (Yale, SCSU, Quinnipiac, UCONN, U of Hartford, Boston College, Rutgers, URI, among others)

Big Ten Network

CT Open Tennis Tournament

ESPN

Madison Square Garden

Major League Baseball

Major League Soccer

MetLife Stadium

National Hockey League

New England Patriots

New Jersey Nets

New York Knicks

New York Mets

Octagon

StubHub

United States Tennis Association

Wachovia Center

Webster Bank Arena

WWE

University of New Haven

Curriculum

- At least 30 graduate credits are required for completion
- 10 courses in Sport Management OR 9 courses in Sport Management and **ACCT 6620** are required

Concentrations (offered in addition to a regular M.S.)

- **Collegiate Athletic Administration**
- **Facilities Management**
- **Sport Analytics**

Courses are offered in multiple formats including on-campus, hybrid and online. All on-campus sessions are held at the Orange Campus in the evening from 6 p.m. – 9 p.m. Online courses are offered in a very interactive 7.5 week format.

Course Length

- 15-week (full semester term) format
- 7.5 week mini-term (MT) format in either an MT1 or a MT2 session
- 6.5 week summer term format

Time to Completion

The degree can be completed in as little as 12 months. The courses are designed that a student can take four classes in the fall, four classes in the spring, and two in the summer to graduate in one year. Of course students can take fewer classes and graduate following a more relaxed schedule. Each sport management class is offered only once a year. Besides regular classes, special electives are regularly offered based on interest.

Required Courses

- **SMGT 6600** Sport Business Toolkit
- **SMGT 6610** The Sport Industry
- **SMGT 6611** Sport Industry Marketing, Promotion, and Public Relations
- **SMGT 6612** Sports Law
- **SMGT 6617** Managing Sport Finances
- **SMGT 6694** Internship

Electives

- **ACCT 6620** - Financial Accounting for Managers or Proof of prerequisite (see department for waiver; waiver will not count toward 12 elective credits)
- **ENGL 6659** Writing and Speaking for Professionals
- **SMGT 6613** Sports Facility Management
- **SMGT 6618** Major Policy Issues in Intercollegiate Athletics
- **SMGT 6620** Professional Sport Management
- **SMGT 6621** Applied Collegiate Fitness and Athletics
- **SMGT 6622** Sport Facility Development/Construction
- **SMGT 6623** Sport Business Development and Sustainability
- **SMGT 6624** Sports Economics
- **SMGT 6625** Sport Management by the Numbers
- **SMGT 6626** Strategic Event Management
- **SMGT 6690** Research Project

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*		SPRING *Full Semester*		SUMMER *Full Semester*	
SMGT 6600		ACCT 6620		SMGT 6694	
ACCT 6620		SMGT 6610		ACCT 6620	
SMGT 6613		SMGT 6626			
SMGT 6694		SMGT 6694			
MT1	**MT2**	**MT1**	**MT2**	**MT1**	**MT2**
SMGT 6618	SMGT 6612 (ONLINE)	SMGT 6611 (ONLINE)	SMGT 6621	SMGT 6617 (ONLINE)	

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TAXATION

Master of Science

"I found the University of New Haven taxation program to be very valuable. The professors were able to share a lot of practical experiences, which complemented the technical/theoretical knowledge."

— Mark Caplan, Partner, KPMG, LLP

Our College of Business is Among the Top 5% Worldwide

The Master of Science in Taxation at the University of New Haven attracts a wide range of accountants, attorneys, government employees and those who seek a career change to taxation. Taxation is law. The students in the program are taught just as law students in law school are taught. You will learn the research and analytical skills of those who practice tax law. Much time will be spent analyzing the Internal Revenue Code, regulations, rulings and court cases. The research and analytical skills you develop in the program will significantly assist your career success as they have done for the alumni of the program.

The University of New Haven M.S. degree program in taxation is designed for accountants, attorneys, government employees, and executives seeking to gain advanced expertise in taxation law. Our graduates are among the most successful of our alumni, with most employed in high-level executive positions or as partners in local, regional, and/or international CPA firms.

Features of the program include:

- Program completion in as little as one year
- Hybrid and online course options: the entire program can be completed online
- Winter classes held online
- Accelerated courses are offered in two seven-and-a-half week modules per semester
- Small, informal classes with state-of-the-art teaching and research tools
- Local and remote access to a full range of online research services, including CCH, RIA, BNA and Lexis-Nexis
- No course prerequisites to the program

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Sample Employers

Ernst & Young
GTE Corporation
IBM
Internal Revenue Service
KPMG Foundation
Lincoln Financial Advisors
Lye & Lye, PC
Marcum
PerkinElmer
Pitney Bowes
PricewaterhouseCoopers
United Illuminating
United States Department of the Treasury
USI Holdings Corporation
Westland Consulting, Inc.
Zimmer, Inc.

Curriculum

- 30 graduate credits are required for completion
- 6 required courses, 3 elective courses, and research project

Courses are offered in hybrid and online. Students are required to do online coursework for all the courses and in addition they have the option of attending real time class sessions. All on-campus sessions are held at the Orange Campus in the evening from 6 p.m. – 9 p.m.

Course Length

- 15-week (full semester term) format
- 7.5-week mini-term (MT) format in either an MT1 or a MT2 session
- 6.5-week summer term format

Time to Completion

12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).

Most students complete the M.S. in 12 months. All MS Taxation courses will be online as well as hybrid simultaneously. ACCT 6615 is the research project which can be taken at any time period.

Required Courses

- **ACCT 6601**
  Fundamentals of Federal Income Taxation
- **ACCT 6602**
  Taxation of Property Transactions
- **ACCT 6604**
  Taxation of Corporations and its Shareholders
- **ACCT 6605**
  Partnership and Limited Liability Company Income Taxation
- **ACCT 6609**
  Federal Tax Practice and Procedure
- **ACCT 6610**
  International Taxation
- **ACCT 6615**
  Research Project in Federal Income Taxation

Electives (choose three)

- **ACCT 6606**
  Advanced Corporate Taxation
- **ACCT 6607**
  Qualified Retirement Plans
- **ACCT 6608**
  Taxation of Estates, Gifts, and Trusts
- **ACCT 6611**
  State and Local Taxation
- **ACCT 6612**
  Tax-Exempt Organizations

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*		SPRING *Full Semester*		SUMMER *Full Semester*	
ACCT 6615		ACCT 6615 ACCT 6607		ACCT 6615	
MT1	**MT2**	**MT1**	**MT2**	**MT1**	**MT2**
ACCT 6601 ACCT 6602 ACCT 6611	ACCT 6605	ACCT 6601 ACCT 6604	ACCT 6610	ACCT 6601 ACCT 6606	ACCT 6609

For More Information Contact:

OFFICE OF GRADUATE ADMISSIONS
University of New Haven
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李昌钰刑事司法与法庭科学学院

HENRY C LEE COLLEGE OF CRIMINAL JUSTICE AND FORENSIC SCIENCES

CRIMINAL JUSTICE

{Master of Science}

Hands-on Application

Criminal justice grad students intern in local police departments in the towns of New Haven, Meriden, Milford, and Branford. However, many criminal justice grad students are already in service as police officers. Although there are always exceptions to the rule, it is our contention that the best investigators start their career as police officers. Students who are studying forensic psychology often intern with probation and parole offices.

UNH's Master of Science in Criminal Justice is a unique program combining high-level academics together with a professional-orientation — that is, it prepares you to immediately enter a career, unlike the master's programs in some other schools, which are less professionally focused. Our faculty have a broad and diverse range of research interests, supporting many specialized courses in Criminal Justice.

Recognized as a national leader in criminal justice education, UNH offers an exciting, 36-credit master's degree program in criminal justice. Students in the program study alongside leading professionals in law enforcement, investigation, politics, forensic science, and law. Internship and research opportunities in the program lead to fulfilling careers in government agencies, court systems, and more. Pursue a generalist degree, or select one of the program's four concentration areas.

Choose your concentration

- **Criminal Justice Management** — Offered in conjunction with the public administration program, this concentration prepares students for successful careers in the administration and management of public safety agencies.
- **Forensic Computer Investigation** — Obtain the knowledge and skills necessary to address issues in computer crime, network security, and internet vulnerabilities.
- **Forensic Psychology** — Examine the impact of psychology on the justice system with courses in mental health law, forensic assessment, psychotherapy, abnormal psychology, and more.
- **Victimology** — Analyze the role of victims' rights in the justice system with coursework that focuses on serving and understanding victims of crime, their families, and the community at large.

Students may also be interested in the M.S. in Criminal Justice that is fully online, with a similar curriculum but no concentration options.

Sample Employers

- Bradley International Airport
- Chief State's Attorney's Office
- Department of Defense — National Geospatial-Intelligence Agency
- Department of Homeland Security
- Department of Justice
- Families in Crisis
- Federal Bureau of Investigation
- Federal Bureau of Prisons
- NY State Office of Alcoholism and Substance Abuse
- Stamford Police Department
- State of CT

Curriculum

- 36 graduate credits are required for completion
- 4 required courses (12 credits) plus 8 courses (24 credits) that may be taken as unrestricted electives or in a Concentration

Optional Concentrations

- **Criminal Justice Management**
- **Forensic Psychology**
- **Forensic Computer Investigation**
- **Victimology**

Courses are offered in the evenings Monday through Thursday from 6 p.m. – 9 p.m. on the main campus. They are offered in multiple formats including on-campus, online, or hybrid (a mix of online and in class evening sessions).

Course Length

- 15-week (full semester term) format

Time to Completion

Average time to completion is 24 months.

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Half Semester*
CJST 6601	CJST 6605	Varying selection of required and elective courses
CJST 6611	CJST 6613	
Elective	Elective	
Elective	Elective	

Required Courses

- **CJST 6601**
  Mental Health, Law, and Criminal Justice
- **CJST 6605**
  Theories of Criminal Behavior
- **CJST 6611**
  Research Methods in Criminal Justice
- **CJST 6613**
  Quantitative Applications in Criminal Justice

Plus one of the following:

Option 1: Thesis

- **CJST 6697/CJST 6698**
  Thesis I & II

Option 2: Comprehensive Final Examination

- This examination may be oral, written, or both, and is based on the program of study that the student has completed for the degree.

Option 3: Research Process

- **CJST 6690**
  Research Project I

For More Information Contact:

GRADUATE ENROLLMENT
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CRIMINAL JUSTICE

Ph.D. Program

The University of New Haven's Henry C. Lee College of Criminal Justice and Forensic Sciences is one of the largest and most academically diverse colleges of Criminal Justice in the United States. Founded in the late 1950s as one of the first ten academic programs in criminal justice, the college now supports nearly 2,000 undergraduate and graduate students. Doctoral study in the Henry C. Lee College embraces experiential education through a variety of research and scholarly opportunities associated with the broad range of interdisciplinary programs, faculty, and research centers within the college.

Unique Features

- Experiential opportunities to work on faculty mentored research, gain teaching experience, participate in grant funded research programs through one of several institutes at UNH.
- Many students in the program are former or current practitioners in a range of criminal justice professions, which adds to the vibrancy of the program and its close ties with CJ policy and practice.
- The program includes both full-time and part-time options to allow students to tailor the program to meet their individual needs.
- The program includes traditional classroom based courses, and hybrid courses (courses that include both online and classroom instruction).
- With nearly forty full-time faculty members with specializations in areas such as criminology, law enforcement, forensic psychology, victimology, forensic science, crime analysis, terrorism, national security, and law, students have the opportunity to select specialized areas of study within criminal justice.
- Program faculty have published more than 40 books, over 300 journal articles, and hundreds of technical reports and research studies for public and private-sector organizations.
- Graduating students can expect to apply their skills and credentials in a range of jobs where doctoral degrees are highly valued — from academic teaching to policy and analysis.

Benefits

- The UNH Criminal Justice Ph.D. program is designed to be a small selective program to enable every student to receive the individualized instruction and mentoring necessary in doctoral education.
- Located in the greater New Haven community in the heart of one of the largest and most dynamic regions of the world, offering a wide variety of educational, cultural, and economic opportunities for prospective students and their families.
- Strong relationships with a broad range of public and private organizations afford graduate students significant opportunities to develop data sources and research opportunities.
- In the past few years, more than $2 million in contract and grant funding for research and contract services within the College provide graduate students with opportunities for research experience and external funding.
- As a private university known for the strength of its academic programs within the Henry C. Lee College of Criminal Justice and Forensic Sciences, we provide strong student support.
- Scholarships, Graduate Assistantships and Teaching Fellowships, which provide a range of benefits for tuition and academic support, are available for qualified students.

Admission Requirements

- A graduate or professional degree from a regionally accredited university (or its international equivalent).
- A 3.5 GPA for the final two years of undergraduate study, or a 3.5 GPA for all master's level academic coursework.
- Scores from the Graduate Record Exam (GRE®).
- Three (3) letters of recommendation.
- An academic or other professional writing sample.
- A 500-word personal statement describing the student's background, goals, and reasons for pursuing the Ph.D. program at UNH.
- Curriculum vitae (C.V.).

General Degree Requirements

Given the specialized nature of doctoral study, students admitted into the program complete general degree requirements to include core courses in criminology, research methods, statistics I and II, and pro-seminar in criminal justice. In addition to the foundational courses, each student will work with his or her doctoral program advisor and the director for the program to formalize a plan of study in an area of specialization.

The degree requirements include:

1. Completing a minimum residency requirement of 30 semester credits (10 courses) in the program prior to taking the preliminary comprehensive exams in Theory of Crime and Justice, research methods and statistics (Exams 1 and 2 of three exams).
2. Each student must also satisfy minimum requirements (up to 15 credits) for an area of specialization within the program and pass an Area of Study comprehensive exam (Exam 3).
3. Maintaining a minimum 3.0 grade-point average.
4. Passing all three comprehensive examinations.
5. Completing and defending a doctoral dissertation prospectus prior to starting work on a dissertation.
6. Completing and defending a doctoral dissertation that is based on original research and that makes a significant contribution to the study of criminal justice. Students must complete a minimum of 9 hours of dissertation credit.
7. Being in compliance with all general rules and procedures for graduate study at the University of New Haven.



For More Information Contact:

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Produced by Dept. of M.E.C. 106919-0616

EMERGENCY MANAGEMENT

{Master of Science}



Learn from experienced professionals that are current in state emergency management, floodplain management, hazardous mitigation and nuclear emergency planning.

Students will learn:

- How to mitigate disasters using the tools, government agencies, and resources available.
- The difference between a disaster and a catastrophe, and the strategies and techniques used in dealing with each.
- Different recovery strategies and what has and has not worked in the past.
- Human behavior during catastrophic events and its effect on the community and social systems.
- How to create an effective organization and disaster management structure for different types of incidents.

Our graduates are well-paid and are enjoying challenging jobs in emergency management. Their jobs range from positions in the fields of nuclear industry, school planning, higher education, state-level emergency management and non-profit emergency organizations including the American Red Cross.

Online

- Classes that are 100% online
- Convenient six or seven-and-a-half week terms over the course of each academic year
- Unlimited access to content and material
- Rolling admissions with terms beginning six times a year

On-campus

- Hybrid classes which meet in person every other week
- Convenient seven-and-a-half week or fifteen-week courses
- Unlimited access to content and materials
- Rolling admissions with terms beginning in Spring, Summer or Fall

Sample Employers

FEMA
U.S. Department of Homeland Security
CT Department of Emergency Management and Homeland Security
Port Authority of NY and NJ
Brookhaven National Laboratory
Department of Justice
Kentucky Independent District Health Department
North Carolina Crime Control & Public Safety
Farmers Insurance Group
Maroasco Newton Group Ltd.

University *of* New Haven

Curriculum

- 36 graduate credits are required for completion
- 8 required courses (24 credits) plus four courses (12 credits) taken as unrestricted electives

Optional Focus Areas

- **Emergency Management**
- **Fire Administration**
- **Health Care Management**
- **National Security**
- **Public Administration**

Courses usually run in afternoons and evenings. Offered in multiple formats including on-campus, online, or hybrid (a mix of online and in class evening sessions).

Course Length

- 15-week (full semester term) format
- 7.5 week mini-term (MT) format in either an MT1 or a MT2 session
- 6.5 week summer term format

Time to Completion

12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).

The average time to degree completion is 18 months. If you choose a focus area, those courses are offered in the summer semesters.

Required Courses

- **EMGT 6601**
  Principles of Emergency Management
- **EMGT 6602**
  Principles and Practices of Hazard Mitigation
- **EMGT 6603**
  Catastrophe Readiness and Response
- **EMGT 6604**
  Holistic Disaster Recovery: Creating a More Sustainable Future
- **EMGT 6624**
  Social Dimensions of Disaster
- **EMGT 6628**
  Emergency Incident Management

Plus Option 1 or Option 2:

Option 1

- **EMGT 6697**
  Emergency Management Thesis Proposal and Research
- **EMGT 6698**
  Emergency Management Thesis Writing and Defense

Option 2

- **EMGT 6690**
  Emergency Management Research Project
- **FIRE 6632**
  Strategic Planning for the Fire Service

Below is an example of the schedule of course offerings over the first year.

FALL		SPRING		SUMMER	
MT1	MT2	MT1	MT2	MT1	MT2
EMGT 6601	EMGT 6602	EMGT 6603	EMGT 6604	EMGT 6612	EMGT 6610
EMGT 6628	EMGT 6624	FIRE 6632	EMGT 6690	EMGT 6635	EMGT 6630
Elective	Elective	Elective	Elective		

For More Information Contact:

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Produced by Dept. of M.E.C. 106925-0616

FIRE SCIENCE

{Master of Science}

Hands-on Application

The M.S. in Fire Science program provides students with extensive hands-on learning opportunities both inside and outside of the classroom. Fire science facilities on the main campus include a dynamic fire sprinkler lab, active fire alarm panels, historical fire protection material displays, and a burn laboratory. In the fire/arson laboratory, UNH faculty have created fire scenes using portable structures, allowing students to process evidence, investigate fires, analyze burn patterns, and check for accelerants.

Fire Science is an interdisciplinary program that provides an advanced technical background for professionals involved with fire protection and investigation, in areas such as fire service, fire safety, occupational safety, and security.

One of only a small number of such programs in the United States, our master's program in fire science offers 39/40 credits of interdisciplinary coursework in fire/arson investigation, emergency management, occupational safety, and more. Students in the program study alongside leading professionals in the fire service including current and former fire and police chiefs, homeland security executives, private investigators, and insurance agents. Successful alumni have moved on to leadership positions in local fire departments, state and federal emergency agencies, and private firms.

Students in the program complete three required core courses covering topics in the chemistry of fire and the dynamics of structural fires along with a required internship or research project. An additional four courses in a specific program concentration as well as six elective courses allow students to customize the program to their individual career aspirations.

Choose your concentration

To customize your studies, select from one of two different program concentrations:

- Fire/Arson Investigation (40 credits)
- Public Safety Management (39 credits)

Sample Employers

- Bucks County Community College Public Safety Training Center
- City of Bridgeport Fire Department
- Icelandic Construction Authority
- North Carolina State Bureau of Investigation
- NYC Department of Citywide Administrative Services
- Office of the State Fire Marshal
- Ontario Office of the Fire Marshal
- Town of Fairfield Fire Department
- Town of West Hartford Fire Department
- Travelers Insurance
- United Technologies Corporation

Curriculum

- 39–40 graduate credits are required for completion
- 7 required courses (21/22 credits) plus 6 courses (18 credits) of approved electives

Concentrations

- **Fire Arson Investigation**
- **Public Safety Management**

Courses are held Monday through Thursday 6 p.m. – 9 p.m. at the main campus.

Course Length

- 15-week (full semester term) format
- 7.5 week electives available in the mini-term (MT) format

Time to Completion

24 months (4 semesters) or 18 months (4 semesters).

The average time to degree completion is 18 months.

Below is an example of the schedule of course offerings over the first year.

Fire/Arson Investigation Concentration

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
FIRE 6625 FIRE 6669 FORS 6614	FIRE 6649 FIRE 6650 FIRE 6665	FIRE 6690 or FIRE 6693

Public Safety Management Concentration

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
FIRE 6625 FIRE 6669 FIRE 6631	FIRE 6632 FIRE 6633 FIRE 6634	FIRE 6690 or FIRE 6693

Required Courses

- **FIRE 6625**
  Chemistry of Fires and Explosions
- **FIRE 6669**
  Dynamics, Evaluation, and Prevention of Structural Fires
- **FIRE 6690**
  Research Project
  or
  FIRE 6693
  Internship

Concentration in Fire/Arson Investigation

- **FORS 6614**
  Survey of Forensic Science
- **FIRE 6649**
  Fire Scene Investigation and Arson Analysis
- **FIRE 6650**
  Arson for Profit
- **FIRE 6665**
  Legal Aspects of Fire and Arson Investigation

Concentration in Public Safety Management

- **FIRE 6631**
  Organization & Management Public Fire Protection
- **FIRE 6632**
  Strategic Planning for the Fire Service
- **FIRE 6633**
  Issues in Public Safety Professional Responsibility
- **FIRE 6634**
  Issues in Public Safety Management

For More Information Contact:

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FORENSIC TECHNOLOGY

{Master of Science}

What Criminal Justice Has Been Waiting For: Forensic Analysis at the Scene of the Crime

Our M.S. in Forensic Technology is the first of its kind in graduate-level criminal justice programs. It combines the forensic science discipline with cutting-edge technology to put on-the-spot forensic capabilities in the hands of those first to arrive at the scene: police officers and investigators. Thanks to the program's blend of standard police practices with in-depth science and technology, these formerly separate disciplines — and career paths — will now merge.

Master the New Capabilities

You will study, and become expert at, various forms of forensic field technology such as portable instrumentation and forensic database usage. The application of database tools such as SICAR and IBIS are critical to modern criminal investigations. They can quickly provide linkages between victims, suspects, items, and locations. Also, restricted electives associated with the program allow you to develop specialized knowledge in areas such as bloodstain pattern analysis, firearms evidence, and forensic anthropology.

You will complete a minimum of 42 credits of graduate work, which includes a required internship or research project designed to fulfill the Master of Science Capstone requirement. In this, you will benefit from the strong connections that UNH has forged with local and state police.

Who Should Apply to this Program?

- Police officers
- Healthcare workers
- Probation officers
- Those with an undergraduate degree in criminal justice, investigative services, or forensic science
- Those with a strong background in science and math and possessing technical acumen are encouraged to apply

Career Placement for M.S. Forensic Technology Graduates

The Bureau of Labor Statistics reports that the employment growth for investigators is expected to increase at an average rate in the near future.

We anticipate very strong employment for the program's graduates for two reasons; it will attract students into the program who will be working professionals already working in some aspect of public or private investigations and will be completing the degree program to advance their careers and there is no other program currently in existence that meets this emerging market demand.

Curriculum

- 42 graduate credits are required for completion
- 12 required courses (36 credits) plus 2 electives (6 credits)

Courses are offered primarily during the evening with some daytime courses Monday through Thursday on the Main and Orange campuses.

Course Length

- 15-week (full semester term) format

Time to Completion

The average time to degree completion is 24 months (4 semesters).

Below is an example of the schedule of course offerings.

First Year

FALL *Full Semester*	SPRING *Full Semester*
FORS 6612	FORS 6613
FORS6616	FORS 6661
CJST6651 or CJST6608	FORS 6626
Elective	

Second Year

FALL *Full Semester*	SPRING *Full Semester*
FORS 6653	FORS 6663
FORS 6618	FORS 6664
FORS 6688 or FORS 6686	FORS 6617
Elective	

Required Courses

- **FORS 6612**
  Principles of Forensic Science I
- **FORS 6613**
  Principles of Forensic Science II
- **FORS 6616**
  Advanced Crime Scene Investigation
- **FORS 6617**
  Forensic Expert Testimony
- **FORS 6618**
  Forensic Photography
- **FORS 6626**
  Crime Scene Reconstruction
- **FORS 6653**
  Physical Methods in Forensic Science
- **FORS 6661**
  Medicolegal Investigation and Identification
- **FORS 6663**
  Forensic Field Technology
- **FORS 6664**
  Forensic Field Technology Laboratory
- **FORS 6686**
  Forensic Science Research Project I
  or
  FORS 6688
  Forensic Science Internship I
- **CJST 6608**
  Law and Evidence
  or
  CJST 6651
  Criminal Procedure

Electives

- **FORS 6655** Firearm Evidence Analysis
- **FORS 6642** Wildlife Forensics
- **FORS 6651** Forensic Archaeology
- **FORS 6652** Forensic Anthropology
- **FORS 6634** Bloodstain Pattern Analysis
- **FORS 6695** Independent Study
- **FORS 6670** Selected Topics

For More Information Contact:

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FORENSIC SCIENCE

Master of Science

Hands-on Application

Graduate students in the Forensic Science program have a wealth of hands-on experiences available in on-campus laboratories and in the Henry C. Lee Institute of Forensic Science. Student research has covered such topics as Forensic Chemistry, DNA Analysis, Trace Analysis, Firearms, and Toxicology. In addition, students have an opportunity to learn with professionals who come to the Henry Lee Institute to attend training seminars and symposiums featuring some of the top speakers in forensic science.

Forensic science is a broad, interdisciplinary field in which the natural sciences are employed to analyze and evaluate physical evidence in matters of the law.

The master's program in forensic science at the University of New Haven has a worldwide reputation for preparing top-quality professional forensic scientists.

One of the original forensic science programs in the country, our master's program in forensic science will provide you with the theoretical and practical knowledge necessary to apply analytical and scientific methods to criminal investigation.

Through concentrated study in our laboratories, you will obtain unparalleled hands-on experience that you can apply immediately in your chosen career. In addition to a sequence of core coursework, you will complete a series of electives.

Features of the program include:

- Accredited by the Forensic Science Education Programs Accreditation Commission (FEPAC)
- Expert faculty with professional experience in key positions such as lab directors, supervisors, and experienced criminalists
- A four-semester program with flexible class times and offerings
- Laboratory Research Thesis

Graduates from this program are highly sought by forensic science laboratories throughout the United States. A major component of this program is an opportunity to work extensively with a faculty member in your area of specialization as you complete your thesis research. Many students conclude their high-quality research with a presentation at a regional or national professional conference.

Sample Employers

Armed Forces DNA Identification Lab
CA Department of Justice
City of New Haven
CT Forensic Science Laboratory
Dallas County — Institute of Forensic Sciences
FBI
Houston Police Department Crime Laboratory Firearms Section
Immigration and Customs Enforcement
Milwaukee County Medical Examiner
NH State Police Forensic Laboratory
Sacramento Fire Department
U.S. Army Criminal Investigation Laboratory
WA State Crime Laboratory

Curriculum

- 42 graduate credits are required for completion
- 11 required courses (33 credits) plus 3 electives (9 credits)

Courses are offered primarily during the daytime with some evenings Monday through Thursday on the Main and Orange campuses.

Course Length

- 15-week (full semester term) format

Time to Completion

- 24 months (4 semesters).
- The average time to degree completion is 24 months.

Below is an example of the schedule of course offerings.

First Year

FALL *Full Semester*	SPRING *Full Semester*
FORS 6614	FORS 6620
FORS 6697 (Thesis I)	FORS 6621
FORS 6653	Elective
Elective	

Second Year

FALL *Full Semester*	SPRING *Full Semester*
FORS 6640	FORS 6673
FORS 6641	FORS 6674
Elective	FORS 6617
	FORS 6698 (Thesis II)

Required Courses

- **FORS 6614**
  Survey of Forensic Science
- **FORS 6617**
  Expert Testimony
- **FORS 6620**
  Advanced Criminalistics I (Biology Oriented)
- **FORS 6621**
  Advanced Criminalistics I Lab
- **FORS 6640**
  Advanced Criminalistics II (Chemistry Oriented)
- **FORS 6641**
  Advanced Criminalistics II Lab
- **FORS 6653**
  Physical Methods in Forensic Science
- **FORS 6673**
  Forensic DNA Analysis
- **FORS 6674**
  Forensic DNA Analysis Lab
- **FORS 6697**
  Thesis I with Seminar
- **FORS 6698**
  Thesis II

Electives

- **FORS 6652**
  Forensic Anthropology
- **FORS 6642**
  Wildlife Forensics
- **FORS 6662**
  Toxicology
- **FORS 6616**
  Advanced Crime Scene
- **FORS 6615**
  Capillary Electrophoresis
- **FORS 6660**
  Microscopy
- **FORS 6695**
  Independent Study
- **FORS 6670**
  Special Topics

For More Information Contact:

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NATIONAL SECURITY

{Master of Science}

Hands-on Application

Students in the program have unique hands-on learning opportunities in classroom facilities like the computer crime laboratory and in specialized fieldwork in an optional internship with organizations like the State of Connecticut, federal and state agencies, or private firms like Sikorsky Aircraft, located a short distance from campus. Students can also work at UNH's Institute for the Study of Violent Groups. One such student helped prepare some of the background reports analyzing three terrorist groups for a U.S. Department of Defense war games exercise in Washington, D.C., that included intelligence officials, generals, and commanders.

The Master of Science program in National Security offers unique courses for students seeking careers in National Security by providing them with knowledge and skills to be successful in the field.

The first of its kind when it began in 2001, the UNH National Security program provides students with extensive study in homeland and international security issues, computer fraud investigation, government policy, terrorism, and more. Students benefit by learning from experienced practitioners in the field who possess experience in the FBI, CIA, United Nations, Connecticut State Police, private investigation labs, security agencies, and more. Whether you are currently working in the security field or wish to embark on your first career, the program will prepare you with the necessary skills to succeed in the intelligence community.

Students in the program are required to complete an internship, research, or thesis experience prior to graduation. Areas of research include, but are not limited to, national security, public safety, emergency management, and homeland security. A concentration in Information Protection and Security in the program allows students to pursue specific study in cybersecurity and the protection of information systems within the intelligence community.

Sample Employers

- Central Intelligence Agency
- Defense Intelligence Agency
- Federal Aviation Administration
- Federal Bureau of Investigation
- Garaventa Enterprises
- General Electric
- Goodrich ISR Systems
- IBM
- National Security Agency
- Sandia National Laboratories
- Sikorsky Aircraft
- State/Local Law Enforcement Agencies
- Transportation Security Administration
- United Technologies Corporation
- U.S. Army
- U.S. Coast Guard
- U.S. Department of Veterans Affairs

Curriculum

- 36 graduate credits are required for completion
- 6 required courses (18 credits) plus 6 courses (18 credits) that may be taken as restricted electives

Optional Concentration

- **Information Protection and Security** (4 courses, plus 2 electives)

Courses are offered in the evenings Monday through Thursday from 6 p.m. – 9 p.m., or over three weekends over the term on the main campus. The are offered in multiple formats including on-campus, online, or hybrid (a mix of online and in class evening sessions).

Course Length

- 15-week (full semester term) format
- 3-day weekend courses (meets three weekends on Friday, Saturday, and Sunday)

Time to Completion

12 months (3 semesters), 18 months (4 semesters), or 24 months (6 semesters).

Most students complete the M.S. in 12 months.

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*	SPRING *Full Semester*	SUMMER *Full Semester*
NSPS 6601	NSPS 6604	Elective
NSPS 6603	NSPS 6680	Elective
NSPS 6650	Elective	Elective
Elective	Elective	Internship or Research Project

Required Courses

- **NSPS 6601**
  National Security Programs: Architecture and Mission
- **NSPS 6603**
  National Security Charter, Legal Issues, and Executive Orders
- **NSPS 6604**
  Securing National Security Information Systems
- **NSPS 6650**
  National Security: Policy and Strategy
- **NSPS 6680**
  Research Methds in National Security

Plus one of the following:

- **NSPS 6690**
  Research Project I
- **NSPS 6693**
  National Security Internship I
- **NSPS 6697/NSPS 6698**
  Thesis I & Thesis II

Optional Concentration in Information Protection and Security (choose 4):

- **NSPS/CJST 6625**
  Information Systems Threats, Attacks, and Defenses
- **NSPS/CJST 6626**
  Firewall and Secure Enterprise Computing
- **NSPS/CJST 6627**
  Internet Investigations & Audit-Based Computer Forensics
- **NSPS/CJST 6628**
  Computer Viruses and Malicious Code
- **NSPS/CJST 6629**
  Practical Issues in Cryptography
- **CJST 6680**
  Research Issues in Cyberterrorism

For More Information Contact:

GRADUATE ENROLLMENT

University of New Haven
300 Boston Post Road | West Haven, CT 06516
203.932.7440 | Toll-free: 1.800.DIAL.UNH (342.5864), ext. 7440
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ACADEMIC INFO

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Produced by Dept. of M.E.C. 105926-0616

文理学院

COLLEGE OF ARTS AND SCIENCES

CELLULAR AND MOLECULAR BIOLOGY

{Master of Science}

Hands-on Application

Many of our students complete research as part of the program. Recently, our graduate students have studied these topics:

- *Tick-bourne human pathogens*
- *Tumor microenvironment*
- *Cancer cell growth*
- *DNA damage response*
- *Magnetic nanoparticles for drug delivery*
- *Antimicrobial biopolymers*

The Master of Science in Cellular and Molecular Biology is ideal for students who want to pursue or advance careers in the rapidly expanding fields of biotechnology, basic science, and pharmacological research.

With constant new discoveries in cellular and molecular biology, an undergraduate degree is no longer enough to keep you advancing professionally. Our program, with its strong emphasis on biochemistry and molecular biology techniques, gives students the advanced training they need to succeed in these groundbreaking fields. The program has both thesis and non-thesis options. Students who elect the thesis option must carry out an original thesis research project under the guidance of departmental faculty. Students choosing a non-thesis option are required to take a written comprehensive exam in addition to laboratory coursework. The comprehensive exam will assess understanding of the coursework and evaluate one's ability to synthesize research and theory in the field of cellular and molecular biology and to present this information in an effective written format.

The central curriculum prepares you for an exciting future by stressing both the technical and conceptual aspects of a number of scientific specialties, including the following subject areas:

- Biochemistry
- Cell biology
- Genomics
- Molecular biology

You will learn the full spectrum of professional techniques in our fully equipped labs so that you graduate with the confidence and ability to act as an independent scientist.

Certificate in Bioinformatics

The 15-credit certificate program in bioinformatics provides a practical, hands-on approach to computer applications in molecular biology.

Sample Employers

- Abilita Bio, Inc.
- AxioMx
- Bayer Healthcare
- Boehringer-Ingelheim Pharmaceuticals
- Bristol Myers Squibb
- Epizyme, Inc.
- GlaxoSmithKline
- Isoplexis
- Marcus Dairy
- Pfizer
- The National Institutes of Health
- Tufts Medical Center
- UConn Health Center
- University of Nevada — Las Vegas
- U.S. Army Criminal Investigation Lab
- U.S. Surgical Corporation
- Wyatt, Inc.
- Yale University

Curriculum

- 38 – 39 graduate credits are required for completion

Curriculum Options

- **Non-Thesis:** 9 required courses (including 3 labs) + 3 electives (39 total credits)
- **Thesis:** 10 required courses (including 2 labs) + 2 electives (38 credits)
- **Optional Bioinformatics Certificate**
  - 5 required classes (15 credits)
  - Can be taken simultaneously – Classes cannot overlap

Courses are offered in the daytime and evenings Monday through Friday on the main campus. Offered in multiple formats including on-campus, online, or hybrid.

Course Length

- 15-week (full semester term) format
- 6.5-week summer term format

Time to Completion

The average time to degree completion is 24 months (4 semesters).

Below is an example of the schedule of course offerings.

First Year

FALL	SPRING	SUMMER
CMBI 6606 CMBI 6617 (lab) CMBI 6608 or ENGL 6659	CMBI 6603 CMBI 6613 (lab) Elective or CMBI 7695 (Thesis Prep)	Electives Offered

Second Year

FALL	SPRING	SUMMER
CMBI 6601 CMBI 6611 (lab) Elective or CMBI 7698 (Thesis I)	CMBI 7607 Elective Elective or CMBI 7699 (Thesis II)	Electives Offered

Sample Courses

- **CMBI 6601**
  Protein Biochemistry and Enzymology
- **CMBI 6603**
  Nucleic Acid Biochemistry
- **CMBI 6606**
  Molecular Genetics/Genomics
- **CMBI 6608**
  Evaluation of Scientific Literature
  or
  ENGL 6659
  Writing and Speaking for Professionals
- **CMBI 6609**
  Data Analysis in the Environmental and Biological Sciences
- **CMBI 6611**
  Molecular Biology of Proteins with Laboratory
- **CMBI 6613**
  Molecular Biology of Nucleic Acids with Laboratory
- **CMBI 6617**
  Cell Culture Techniques with Laboratory
- **CMBI 7607**
  Cellular Biology
- **BIOL 6605**
  Biostatistics

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Produced by Dept. of M.E.C. 110896-0616

COMMUNITY PSYCHOLOGY

{Master of Arts}

Hands-on Application

Not a social work program, this graduate degree provides students with a macro-level perspective on community dynamics and social problems. A key component of the program is the required internship in the second year, when students begin planning for their future professional endeavors. Support and mentoring from dedicated faculty are crucial to success in this arena. They will help you choose an internship setting that's a good fit for your background, experience, talents, and goals, and then provide you with feedback along the way via weekly internship seminars and responses to your emailed bi-weekly internship reports.

One of the oldest such programs nationwide, the Master of Arts in Community Psychology at the University of New Haven teaches students to apply the theories and techniques of psychology and related social sciences in a variety of human service settings.

The UNH community psychology program offers an exciting and engaging 45-credit degree program that will prepare you for a successful career in human services. At its core, the program focuses on the treatment and prevention of psychological problems, emphasizing interventions at the level of social institutions, organizations, and groups as well as the individual.

As a full-time student you can complete the M.A. in Community Psychology in two years (four semesters). You will also enjoy small, personalized classes with an average of 15 –20 students per class.

Choose your concentration

To provide greater flexibility for students, the program offers three concentrations:

- Community-Clinical Services
- Forensic Psychology
- Program Development

Graduate certificates in applications of psychology and forensic psychology are also available.

Sample Employers

APT Foundation
Clifford Beers Clinic
Connecticut Center for Arts and Technology (ConnCAT)
The Connection
Continuum of Care
Madison Youth and Family Services
Naugatuck Youth Services
New Reach
Shoreline Wellness Center
Strive International
United Community and Family Services
Yale Center for Wellbeing of Women and Mothers

Curriculum

- 45 graduate credits are required for completion
- 8 required courses (24 credits), 4 courses of program concentration classes (12 credits) and 3 elective courses (9 credits)

Concentrations

- **Community-Clinical Services**
- **Program Development**
- **Forensic Psychology**

Most courses are offered in the evenings Monday through Thursday from 6 p.m. – 9 p.m. on the main campus. Some courses have additional afternoon sections.

Course Length

- 15-week (full semester term) format

Time to Completion

2 years (4 full semesters)

Below is an example of the schedule of course offerings.

First Year

FALL *Full Semester*	SPRING *Full Semester*
PSYC 6605	PSYC 6609
PSYC 6608	Concentration Course/Elective
Concentration Course/Elective	Concentration Course/Elective
	Concentration Course/Elective

Second Year

FALL *Full Semester*	SPRING *Full Semester*
PSYC 6611 or PSYC 6613	PSYC 6610
PSYC 6614 or PSYC 6616	PSYC 6612
Concentration Course/Elective	PSYC 6615
Concentration Course/Elective	Concentration Course/Elective

Required Courses

- **PSYC 6605** Survey of Community Psychology
- **PSYC 6608** Psychometrics and Statistics
- **PSYC 6609** Research Methods
- **PSYC 6610** Program Evaluation
- **PSYC 6612** Consultation Seminar
- **PSYC 6615** Consultation Fieldwork
- **PSYC 6611** Individual Intervention Seminar
  or
  PSYC 6613 Systems Intervention Seminar
- **PSYC 6614** Individual Intervention Fieldwork
  or
  PSYC 6616 Systems Intervention Fieldwork

Concentration in Community-Clinical Services

Select four of the following courses:

- **PSYC 6625** Life Span Developmental Psychology
- **PSYC 6628** The Interview
- **PSYC 6629** Introduction to Psychotherapy and Counseling
- **PSYC 6632** Group Counseling
- **PSYC 6633** Family Therapy
- **PSYC 6636** Abnormal Psychology

Concentration in Forensic Psychology

- **CJST 6623** Mental Health Law
- **PSYC 6656** Abnormal Psychology in Forensic Populations
- **PSYC 6657** Forensic Assessment
- **PSYC 6658** Forensic Treatment Models

Concentration in Program Development

- **PSYC 6619** Organizational Behavior
- **PSYC 6628** The Interview
- **PADM 6604** Communities and Social Change
- **PADM 6602** Public Policy Formulation and Implementation

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Produced by Dept. of M.E.C. 110897-0616

ENVIRONMENTAL SCIENCE

{Master of Science}

Hands-on Application

The Environmental Science Program offers extensive hands-on learning including field work in a variety of environments including in our salt marsh system in CT and at an affiliated field research center in the Bahamas. There are many opportunities for student research and thesis work with faculty on topics such as climate change, detecting novel pollutants, fish physiological responses to environmental stressors, coastal ecology and bio-geochemistry, GIS assessment and modeling, karst hydrogeology, molecular environmental approaches, environmental education, and more.

As an interdisciplinary program encompassing courses in ecology, geology, chemistry, environmental education, and law, the Master of Science in Environmental Science provides students with the advanced skills and knowledge to meet the increasing demands worldwide for scientists with strong environmental backgrounds.

A program grounded firmly in the University's commitment to experiential education, the M.S. in Environmental Science program provides students with extensive hands-on learning opportunities both inside and outside of the classroom. Our shoreline location allows students to gain experience working in a variety of settings along the marsh and ocean areas of Long Island Sound — experiences that are complemented by work in our laboratories. Students also have the unique opportunity to study at the Gerace Research Centre on San Salvador Island in the Bahamas. With studies in environmental ecology, environmental education, environmental geoscience, environmental health and management, geographical information systems, and other topics, the program allows students to customize their education to their individual career interests.

As a required component of the program, students complete a research project, thesis, or internship. These experiences have led our students to fulfilling careers in private environmental firms, government agencies, and more. Many students have also chosen to pursue doctoral study at other institutions following graduation.

Certificate in Geographical Information Systems

This 12-credit program provides you with knowledge of basic and advanced GIS techniques, developing procedures, and databases for specific applications as well as technologies and analyses supporting GIS.

Sample Employers

- Amtrak Engineering Department
- Bureau of Environmental Protection
- CHM2 Hill
- CT DEEP
- Diageo
- National Audubon Society
- NOAA
- Numerous environmental consulting firms
- NY DEC
- PSEG Power
- San Antonio Zoo
- South Central Regional Water Authority
- United States Geological Survey
- US EPA
- Westchester County Soil and Water Conservation District/ Department of Planning

Curriculum

- 42 graduate credits are required for completion

Curriculum Options

All students develop personalized plans of study with the program coordinator or concentration adviser)

- 5 required courses (17 credits) plus an additional 9 courses (25 credits) taken in a specified area of concertation:
  - **Environmental Ecology**
  - **Environmental Geology**
  - **Environmental Health and Management**
  - **Geographic Information Systems**
- 5 required courses (17 credits) plus specified courses (25 credits) in a no-concentration option
- Thesis or non-thesis program options
- **Optional Focus Area — Environmental Education**
- **Optional Geographical Information System Certificate**
  - 4 required classes (12 credits)
  - Can be taken simultaneously — classes cannot overlap

Course Length

- 15-week (full semester term) format
- 7.5-week mini-term (MT) format in either an MT1 or a MT2 session
- 6.5-week summer term format

Time to Completion

The average time to degree completion is 24 months.

Required Courses

- **CIVL 6606**
  Environmental Law and Legislation
- **CHEM 6601**
  Environmental Chemistry
- **ENVS 6600**
  Environmental Geoscience with Laboratory
- **ENVS 6601**
  Principles of Ecology with Laboratory
- **ENVS 6690**
  Research Project

Examples of concentration courses:

Environmental Ecology

- **ENVS 6602** Environmental Effects of Pollutants
- **ENVS 6607** Environmental Reports and Impact Assessment

Environmental Geoscience

- **ENVS 6621** Hydrology
- **ENVS 6622** Groundwater Geology

Environmental Health and Management

- **ENVS 6615** Toxicology
- **ENVS 6618** Hazardous Materials Management

Geographical Information Systems and Applications

- **ENVS 6640** Introduction to Geographical Information Systems
- **ENVS 6641** Geographical Information System Techniques and Applications I

Below is an example of the schedule of course offerings.

FALL *Full Semester*		SPRING *Full Semester*		SUMMER *Full Semester*	
ENVS 6601	ENVS 6625	ENVS 6600	ENVS 6618	CIVL 6606	
ENVS 6602	ENVS 6640	CHEM 6601	ENVS 6609		
ENVS 6607	ENVS 6643	ENVS 6608	ENVS 6603		
ENVS 6621	ENVS 6610	ENVS 6615	ENVS 6652		
		ENVS 6622			
MT1	MT2	MT1	MT2	MT1	MT2
		ENVS 6641	ENVS 6642		

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HUMAN NUTRITION

{Master of Science}

Human Nutrition Internship Graduate Courses

The student accepted to any Dietetic Internship program around the country can earn 9 graduate credits towards the MS Human Nutrition program when the student is concurrently registered in a dietetic internship and in this MS program.

The UNH Dietetic Internship provides 1200 hours of pre-professional practice experience in clinical, wellness and community settings for students who wish to become registered dietitians.

The Master of Science in Human Nutrition program at the University of New Haven is grounded in the biomedical sciences and focuses on the role of nutrition in health and disease.

The 33-credit curriculum is designed to give graduates a deep understanding of the close connections between nutrition, health, and disease, and a detailed study of the body of knowledge necessary to understand these connections and the evidence supporting them. This program is most appropriate for registered dietitians and certain other licensed health professionals or for high school science teachers and/or others with undergraduate majors in chemistry or the biological sciences.

Program Highlights:

- Small classes that allow you to benefit from working closely with faculty
- Expert professors who have years of industry experience in the fields of nutrition and science
- Classes are offered in multiple formats including weekends, on-campus, hybrid, or online, to easily accommodate busy professional schedules

Concentration in Nutritional Genomics

The M.S. in Human Nutrition with a concentration in Nutritional Genomics provides you with a detailed understanding of how individual genetic variation can influence the assimilation and metabolism of foods and how foods can affect the expression of certain genes known to be involved in chronic diseases.

Sample Employers

Albany Medical Center
Chef America, Inc.
CT Children's Medical Center
Food Innovations, Inc.
Hoag Hospital
J.L. Analytical Services
Sentara Virginia Beach General Hospital
St. Elizabeth Hospital
Sun Healthcare
UCLA Hospital
University of Dayton
University of the Pacific
Yale New Haven Hospital

Curriculum Options

M.S. Human Nutrition

- 33 graduate credits are required for completion
- 11 required courses with 1 special topics course (33 credits)

M.S. Human Nutrition with Concentration in Nutritional Genomics

- 45 graduate credits are required for completion
- 11 required courses with 1 special topics course (33 credits) plus 4 Nutritional Genomics concentration courses (12 credits)
  - **CHEM 6655** Pharmacology
  - **CMBI 6606** Molecular Genetics/Genomics
  - **CMBI 6620** Bioinformatics
  - **NUTR 6633** Nutritional Genomics
- 8 required courses (24 credits) plus 3 internship courses (9 credits).

Courses are offered Saturdays and Sundays in multiple formats including on-campus, hybrid, or online.

Course Length

- 15-week (full semester term) format
- 7.5 week mini-term (MT) format in either an MT1 or a MT2 session

Time to Completion

The average time to degree completion is 24 months (4 – 5 semesters).

Prerequisite Courses

- Anatomy and Physiology
- Biochemistry

Required Courses

- **NUTR 6604** Vitamin Metabolism
- **NUTR 6605** Mineral Metabolism
- **NUTR 6609** Research Methodology in Nutrition
- **NUTR 6612** Nutrition and Health: Contemporary Issues and Controversies
- **NUTR 6613** Maternal and Child Nutrition
- **NUTR 6690** Research Project
- **NUTR 6610** Nutrition and Disease I
- **NUTR 6611** Nutrition and Disease II
- **NUTR 6670** Selected Topics
- **NUTR 6672** Functional Nutrition and Physical Assessment

Dietetic Internship Program

Below are the 9 credits that will be earned by students who are concurrently registered in the M.S. Human Nutrition program and an ACEND accredited dietetic internship program.

- **NUTR 6693** Human Nutrition Internship I
- **NUTR 6694** Human Nutrition Internship II
- **NUTR 6696** Human Nutrition Internship III

Below is an example of the schedule of course offerings over the first year.

FALL *Full Semester*		SPRING *Full Semester*		SUMMER	
NUTR 6605 CMBI 6606/NUTR 6633 NUTR 6693		NUTR 6612 NUTR 6604 CHEM 6655/CMBI 6620/NUTR 6633 NUTR 6694		NUTR 6696	
MT1	MT2	MT1	MT2	MT1	MT2
NUTR 6609	NUTR 6611	NUTR 6613	NUTR 6670		

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INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

{Master of Arts}

Hands-on Application

For more than 20 years, the MAIOP internship program has provided students with meaningful experiential learning opportunities to apply knowledge and theory learned in the classroom. Interns typically work in human resources or organizational development and may be compensated. Our students have offered their talents to companies like Pratt & Whitney, Translux, MetroNorth, Yale University, Dale Carnegie Training, and more. Many of these experiences lead to employment opportunities following graduation from the program.

With a Master of Arts in Industrial/Organizational Psychology, you will have the professional knowledge and experience to improve the satisfaction and productivity of people at work.

The M.A. in Industrial/Organizational Psychology (MAIOP) program at the University of New Haven provides students with an exciting, applied degree focused on the study of applying psychological principles to the workplace. Graduates of the program work with individuals and groups on organizational change and development, leadership and managerial development, conflict management, team or group dynamics, and strategic human resource management. Interactive course study with I/O psychologists from industry and consulting, opportunities for research and engaging internships, and flexibility with scheduling and course curriculum provide you with a strong foundation for a successful career. The 45 credit program is offered on a semester schedule and can be completed in 4 semesters.

Choose your concentration

The option to choose a program concentration provides greater flexibility for students.
The three concentrations are:

- Industrial-Human Resources Psychology
- Organizational Development and Consultation
- Psychology of Conflict Management

A graduate certificate in Psychology of Conflict Management is also available.

Sample Employers

Accenture
Ametek
Bredenberg Associates
Cablevision
Electric Boat Corporation
Hamilton Sundstrand
Indeed.com
J.C. Penney Company
Olin Corporation
Stanley Black & Decker, Inc.
U.S. Department of Defense
XL Insurance
Yale University

Curriculum

- 45 graduate credits are required for completion
- 8 required courses (24 credits), 6 credits depending on program option (internship, practicum or thesis) and 5 elective courses (15 credits)

Optional Concentrations

- **Industrial-Human Resource Psychology**
- **Organizational Development and Consultation**
- **Psychology of Conflict Management**

Courses are offered either in the afternoons or evenings, Monday through Thursday on the main campus. Mini-term courses are offered during the days usually on Fridays or Saturdays.

Course Length

- 15-week (full semester term) format
- 7.5 week mini-term (MT) format in either an MT1 or a MT2 session

Time to Completion

Students who are full time will complete this program in two years, or four semesters. Students who study on a part time basis, will complete this program in three years.

Below is an example of the schedule of course offerings over the first year.

Full Time

FALL	SPRING
PSYC 6619	PSYC 6640
PSYC 6608	PSYC 6620
Elective 1	PSYC 6609
Elective 2	Elective 3

Part Time

FALL	SPRING	SPRING
PSYC 6619	PSYC 6609	ECON6625*
PSYC 6608	PSYC 6620	Elective 1

Required Courses

- **PSYC 6608**
  Psychometrics and Statistics
  (*Undergraduate preparation in statistics is prerequisite.)*
- **PSYC 6609**
  Research Methods
- **PSYC 6619**
  Organizational Behavior
- **PSYC 6620**
  Industrial Psychology
- **PSYC 6635**
  Psychological Tests and Measurements in Industry
- **PSYC 6640**
  Industrial Motivation and Morale
- **PSYC 6645**
  Seminar in Industrial/Organizational Psychology
- **PSYC 6626**
  Worker Well Being
  or
  ECON 6625
  Industrial Relations

Plus one of the following:

Option 1: Thesis

- **PSYC 6698/PSYC 6699**
  Thesis I & II

Option 2: Internship/Practicum

- **PSYC 6693/PSYC 6694**
  Organizational Internship I & II
  or
  PSYC 6678/PSYC 6679
  Practicum I & II

Option 3: Approved Electives

- Comprehensive examination required

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