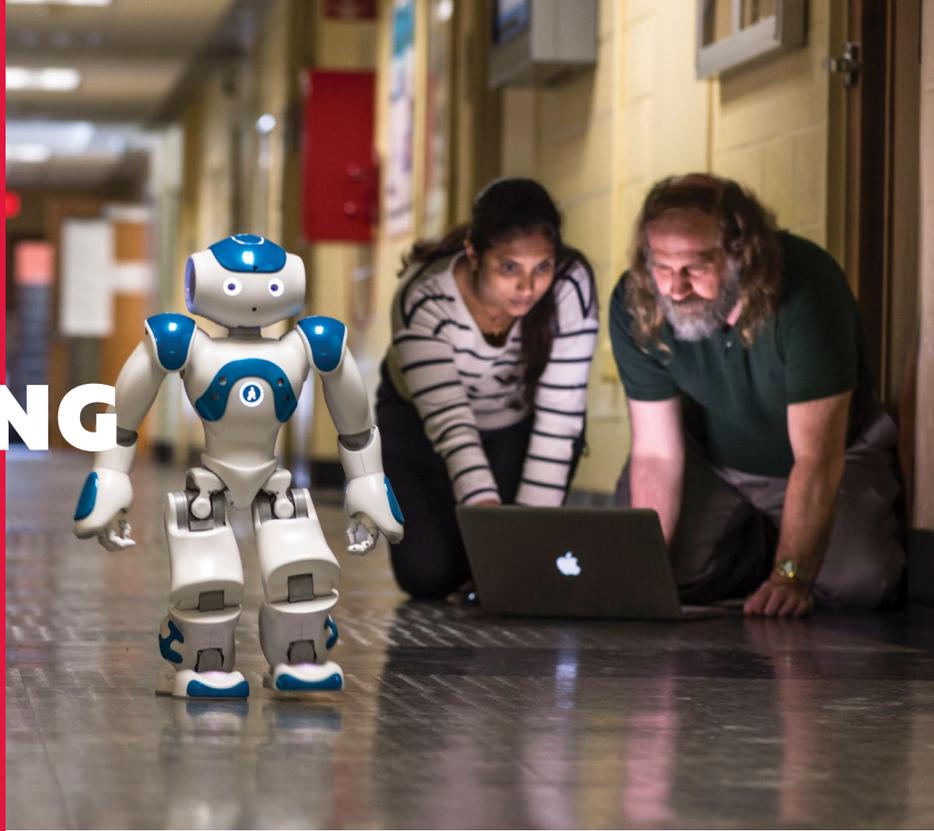




University of New Haven

BACHELOR OF SCIENCE

# ENGINEERING (GENERAL)



## Where Will You Work?

Graduates with a B.S. in Engineering work in many areas of the private sector, in both engineering and non-engineering-related fields. However, the federal government is the largest employer of those with a B.S. in Engineering, also known as General Engineers. Average salary is well over \$100K. Typically, employees receive promotions of two grade increases at a time until they attain the GS-12 level.

## Just a few of the many departments that hire general engineers:

- Department of Energy
- Nuclear Regulatory Commission
- Federal Aviation Administration
- Langley Research Center
- John F. Kennedy Space Center

## Program Description

With a B.S. in Engineering, it's all about the options. Our program gives you the background you need for a career in engineering, but allows you to broaden your scope of career possibilities by combining engineering with expertise in business, one of the pure sciences, mathematics, or a variety of other disciplines. You'll design a career path to your specifications so that you can spend your life doing what you're passionate about.

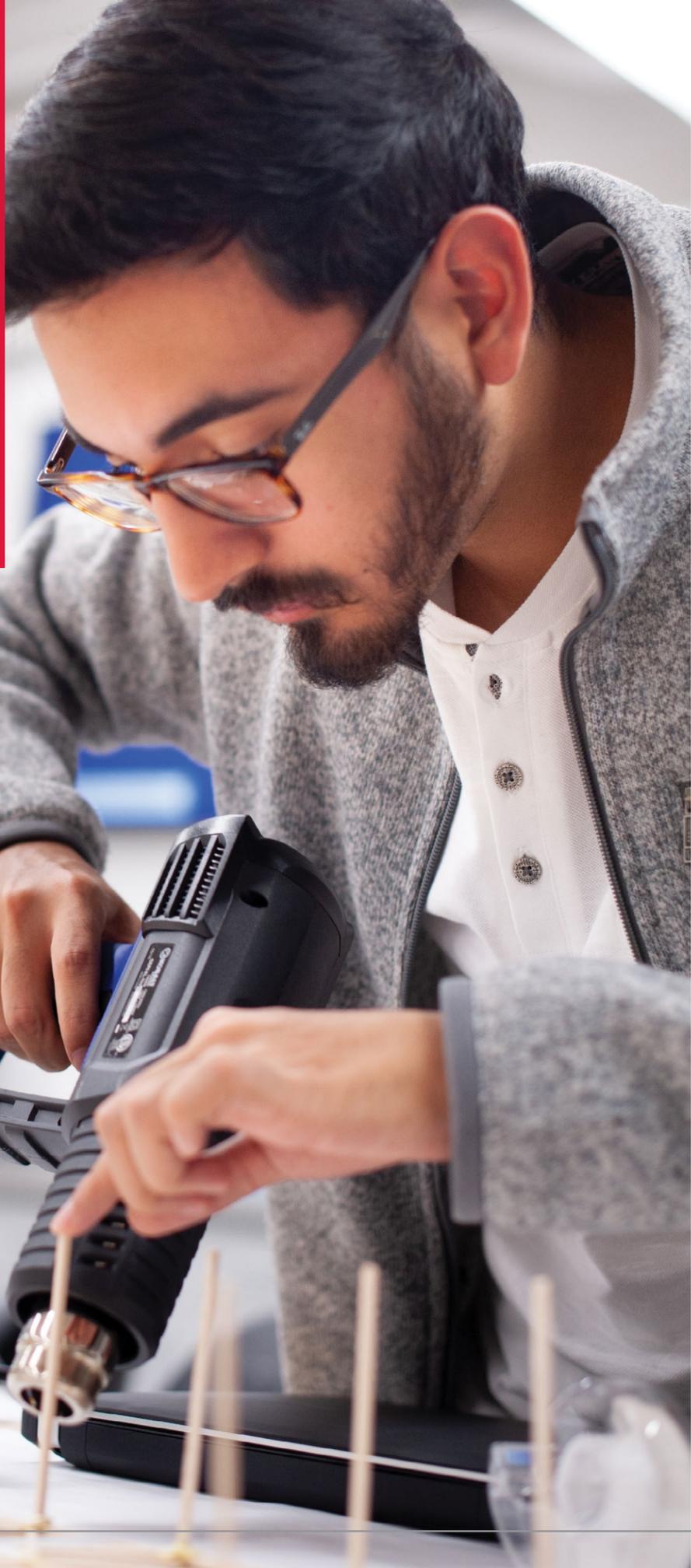


Our B.S. in Engineering program is also perfect for those students who know they want a career in engineering but are undecided about which of the engineering disciplines to choose. In your first three semesters, you will take foundational courses in engineering. Then, in your sophomore year, you can choose the specific discipline you're attracted to. You can also select a complementary minor if you envision an engineering career path that merges with another field. Legal studies, biology, management, and mathematics are just some of the popular choices.

Throughout the program you will develop skills that will serve you everywhere, in engineering and outside of it: analytical and problem-solving skills; a familiarity with open-ended problems and design methods; the ability to design a system, component, or process to meet desired needs; and the ability to work as part of a multi-disciplinary team. You'll also develop strong communication, leadership, and entrepreneurial skills – a must-have set of skills for 21st engineers.

## Faculty-Mentored Research: It's Not Just for Graduate School

Undergraduate students in other engineering colleges usually must wait until they are in a graduate program to work with faculty on research projects. Not here. You'll have the chance to work with your instructor through independent study, laboratory research, or a thesis topic — supported by the University, government agencies, and engineering firms. The thrilling culmination? Your appearance at a professional-quality seminar, where you will present your findings.



## Internships

Time on the job gives students the opportunity to take what they have learned in the classroom and laboratory and apply it in a real-world setting. The University of New Haven has a long history of integrating learning into the workplace. As part of the program's requirement for an active, hands-on learning experience, most students choose to engage in one or more internships. In many cases, an offer of full-time employment is the result.

There are several factors that go into achieving a successful internship: clearly defining the student's objectives; agreement between the faculty advisor, the Career Development Center, and the company; assessment; and self-reflection. Students usually emerge from the internship experience with a renewed sense of purpose for their remaining studies and more clarity about their future career path.

These are just some of the high-profile companies at which University engineering students have interned:

- AT&T
- Bayer Pharmaceuticals
- Boeing
- Colt Manufacturing
- Dell
- Electric Boat
- FAST Inc.
- GE Aviation
- General Dynamics
- General Electric
- Hamilton Sunstrand
- HB Maynard
- IBM Corporation
- IDEX Corporation
- Intel
- Lee Company
- Medtronic
- Merck and Company
- Pfizer
- Pitney Bowes
- Pratt & Whitney
- Schindler Elevator
- Siemen Company
- Sikorsky Aircraft
- South Central Connecticut Regional Water Authority
- Stanley Engineering
- Unilever
- United Illuminating
- U.S. Environmental Protection Agency
- Waterbury Generation



*“When I teach, I try to constantly relate what I am covering to problems or experiences I've had in the working world. My teaching philosophy is that, regardless of major, engineering is about using a scientific process to solve problems. Although some students specialize in a field — such as mechanical or electrical engineering — the process and methods of engineering generally remain the same.*

*A fun fact I tell my students is that almost every product they use and interact with has a team of engineers behind it. I try to encourage exploratory thinking and have had a few students comment that I ‘completely altered’ their lives because they can't look at everyday objects without dissecting all the engineering that went into it!”*

### FRANCIS PELLICANO

Adjunct Professor

B.S. in Electrical Engineering '15 • M.S. in Electrical Engineering '17

## Two degrees. No waiting.

Interested in getting a graduate degree but want to do it on the fast track? Our B.S. in Engineering offers dual degree programs that allow for direct entry into the master's program where you can complete both degrees in a reduced time frame. For more details, visit [newhaven.edu/dualdegree](http://newhaven.edu/dualdegree).

### **B.S. in Engineering/MBA**

Minor options: Business Management, Business Analytics, or Entrepreneurship and Innovation

### **B.S. in Engineering/M.S. in Biomedical Engineering**

Minor in Biology

## 3-Day Startup Weekends: Jumping into the Shark Tank

These 72-hour events, which start on Friday and finish up on Sunday, are intensive learning-by-doing events that teach budding engineers valuable entrepreneurial skills.

It's all about the new breed of engineer – one who not only can design a solution to a problem but also can run with it. That means knowing how to pitch an idea to investors, start a company, understand your market, collaborate with a team, get feedback, and pivot to make improvements.

During the weekend, participants brainstorm an idea, collaborate across disciplines and, then in true Shark Tank style, pitch to a panel of venture capitalists, angel investors, and experienced entrepreneurs who ask tough questions and look for vulnerabilities. It's a rigorous, but exhilarating three days.

You're guaranteed to leave on Sunday with a degree of professional polish and maturity that you didn't come in with on Friday.

## Did You Know?

**76%** of employers indicate their primary purpose for sponsoring interns is to recruit entry-level talent.

**83%** of employers report higher retention rates for new hires with internship experience versus those with no experience.

## About Us

The University of New Haven, founded on the Yale campus in 1920, is a private, coeducational university situated on the coast of southern New England. It's a diverse and vibrant community of more than 7,000 students with campuses across the country and around the world.

Within our colleges and schools, students immerse themselves in a transformative, career-focused education across the liberal arts and sciences, fine arts, business, healthcare and health sciences, engineering, public safety, and public service. More than 100 academic programs are offered, all grounded in a long-standing commitment to collaborative, interdisciplinary, project-based learning.

At the University of New Haven, the experience of learning is both personal and pragmatic, guided by a distinguished faculty who care deeply about individual student success. As leaders in their fields, faculty provide the inspiration and recognition needed for students to fulfill their potential and succeed at whatever they choose to do.



## Your Success Starts Here

**For more information or  
to arrange a visit, contact**

Office of Undergraduate Admissions

☎ 203.932.7319

✉ [admissions@newhaven.edu](mailto:admissions@newhaven.edu)

👉 [newhaven.edu](http://newhaven.edu)