

NO CLUE?

No worries.

Wentworth has you covered.



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Lots of people are asking what you want to do with your life. We've got a better question:

What are you interested in?

If you're not sure what to study, you're in good company. Many students are undecided after high school. College is a chance to learn about and explore the subjects you care about—the things that you think about in your free time, not just because they will be on the test.

We hope this brochure will help you connect the dots between your interests and the college majors focused on those topics. The good news: You can always change your mind (and your major). But when you chart your path according to the things that truly matter to you, you may not need to course correct at all.



TELL US ABOUT YOURSELF

Are you motivated

to make tomorrow safer, stronger, and more sustainable?

SEE PAGE 5

Do you like to code

and explore the far reaches of the internet?

SEE PAGE 14

Do you like to tinker,

fiddle, build, and perfect?

SEE PAGE 10

Is the health and happiness

of others the source of your own joy?

SEE PAGE 9

Are you fascinated

by elegant design that combines form and function?

SEE PAGE 18



If these ideas sound intriguing, you might be interested in:

Sustainability

Restoring and revitalizing landscapes

CARBON NEUTRAL



“I was taught that maintaining your equipment, vehicles, skateboards, etc. was part of being able to enjoy those things. It’s important to consider and appreciate the time and money spent generating new materials.”

Construction Management student Parker Ryan on his paper, “Construction Waste Recycling: The Importance of Recycling Building Materials.”



SMART BUILDINGS



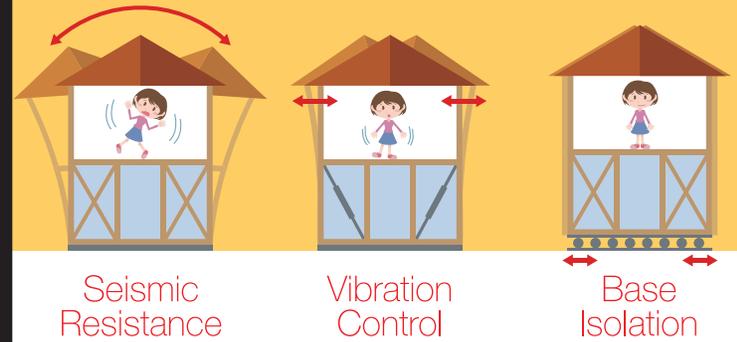
RENEWABLE ENERGY



Electrical or Electromechanical Engineering

Building electric vehicles or renewable energy sources

EARTHQUAKE RESISTANT



Architecture or Construction Management

Designing sustainable structures that stand the test of time

Civil or Mechanical Engineering

Reducing pollution and waste

GREEN PACKAGING*



CLIMATE CHANGE



*Wentworth’s dining halls use sustainable and compostable food packaging—a simple but significant way to reduce our environmental footprint.

SAVE THE PLANET



Are you motivated to protect the planet we share?

Do you imagine cities and cars that are designed to promote happiness and reduce pollution?

Do you want to create inventions that use green materials and sustainable processes?

Your hands hold the future of our planet. Ready to innovate?

Picture cities that breathe, clean transportation, and truly sustainable products. Architecture and civil engineering, alongside environmental studies, offer powerful tools for change. Let's make sustainability a reality, not just an option.





Field the Glycine molecule with the
following: atom centers, C, O, H, N, Cl
The second part of the molecule is
responsible for the amino acid's
basicity. It is a nitrogen atom
with a lone pair of electrons and
a negative charge. The amino acid
is a zwitterion, meaning it has
both a positive and a negative
charge. The positive charge is on
the nitrogen atom, and the
negative charge is on the
oxygen atom. The amino acid
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negative charge is on the
oxygen atom.

If these ideas sound intriguing, you might be interested in:

SURGICAL ROBOTS



Biomedical and Biological Engineering

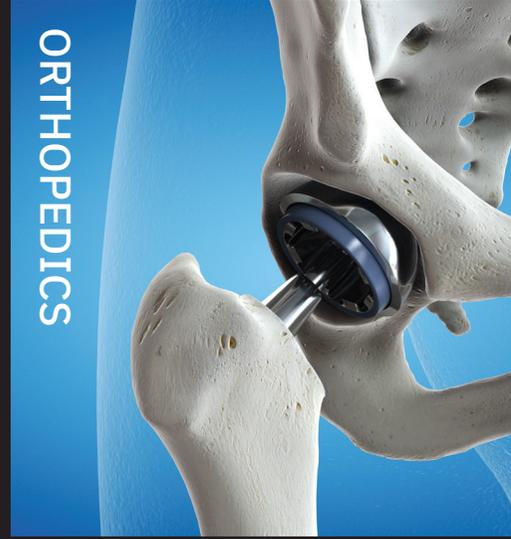
Developing medicines and medical devices

“When I was around 12 years old, I watched a movie about a dolphin getting a prosthetic tail, and decided right then that it was what I wanted to do. I did a co-op at an orthopedic implant start-up [and plan to] continue working in research and development within the orthopedics industry.”

Recent **Biomedical Engineering** grad Allison Goudreau, who went on to work at a medical device start-up company after graduation.



ORTHOPEDECS



Data Analytics

Exploring trends and solutions that create healthier societies



CLEAN WATER

SYNTHETIC BIOLOGY*



Architecture and Industrial/Interior Design

Creating accessible spaces that support healthy, happy lifestyles

VACCINES



ELECTRIC CARS



Applied Sciences

Combining biology, chemistry, and physics to improve lives

*Using the tools of biology to create healthier, heartier, and climate-resilient crops can help ensure we have enough food to go around—now and in the future.

HELP AND HEAL



Do you want to help people live longer?

Are you passionate about curing the sick and healing the wounded?

Have you ever wondered how athletes test the boundaries of human endurance?

The next medical revolution? It could come from a field you'd never expect.

What does living your best life look like? It's more than just medicine. Biomedical engineers are creating the tools to make it possible, from advanced prosthetics to wearable tech that puts your health in your hands. And the spaces you live in? They matter too. Spaces are designed to impact your well-being, showing that a room is more than just four walls.



FOR ENGINEER HUMANITY



Have you ever felt the urge to replace your own phone screen?
 Or taken something apart just to figure out how it works?
 Or debated the practicality of self-driving cars?

Then you already know how to think like an engineer.
 Engineers are problem-solvers, using science and tech to tackle real-world challenges. Imagine designing the roads that connect us, building the systems that deliver clean water, or creating the clean energy sources of tomorrow. And yes, they also design the tools that power our lives, from the computers we work on to the gear that fuels our passions – like those custom skis that carve perfect lines.



If these ideas sound intriguing, you might be interested in:

Civil Engineering
 Creating everything from roads to bridges to wind farms



ROLLERCOASTERS*

“Industrial design allows me to exercise my passion for the arts in a field with strong career prospects. There’s so much you can do, from designing toys and clothing to making automotive parts or—as I am currently—custom skis and snowboards.”

Industrial Design student Zoe Graham, who completed her co-ops with Parlor Custom Skis and Snowboards.



INFRASTRUCTURE

Mechanical or Electromechanical Engineering
 Building machines, materials, and devices of all varieties



NANOROBOTS

Biomedical or Biological Engineering
 Designing medicines and health devices

Computer Science or Robotics
 Writing code and making the machines that run it



SELF-DRIVING CARS

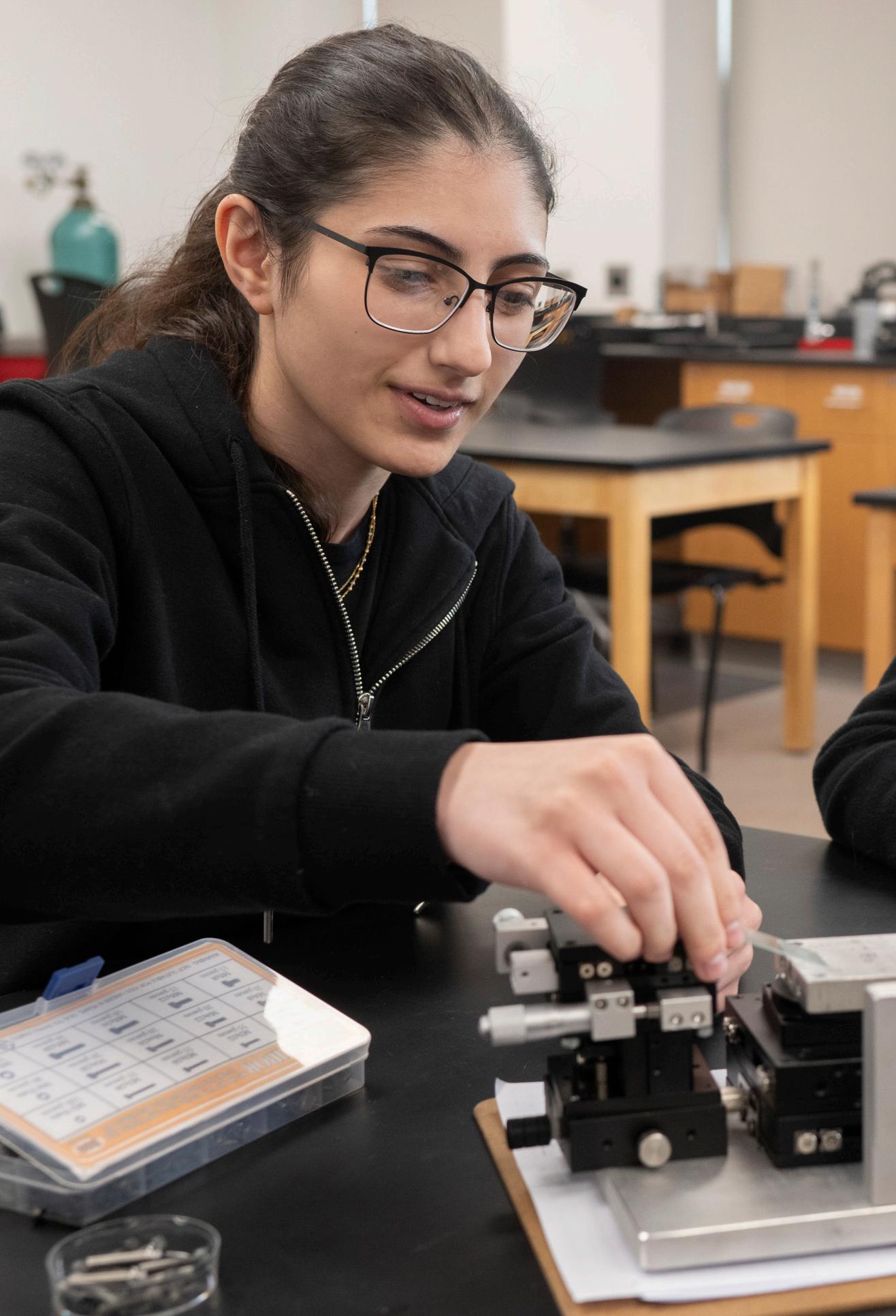


3-D PRINTING



DRONES

*Rollercoaster designers get their start by earning degrees in areas such as mechanical engineering, structural engineering, civil engineering, and architecture.



CONNECT AND PROTECT



Are you fascinated by ChatGPT and the rise of artificial intelligence?
 Do you love to make websites or write scripts to simplify your everyday activities?
 Is your Minecraft server your happy place?

Digital technology and the internet have created a wave of new areas of study and career opportunities.
 Dive into the world of digital careers: build websites and software, manage networks, or defend against cyberattacks. From coding to server management, your tech skills are in demand. Shape the future of our connected world.



If these ideas sound intriguing, you might be interested in:



CYBERSECURITY

Cybersecurity or Computer, Science, and Society
 Exploring how computers transform our lives

“One of the coolest projects I worked on at Wentworth was a deep neural network that performs image classification to determine what hand sign a user is showing the camera. This allowed us to play ‘rock-paper-scissors’ with a computer.”
 Michael Shepherd chose to study **Computer Science** at Wentworth so that he could explore his lifelong interest in computers at a school that prioritized hands-on, real-world learning.



Computer Networking or Data Analytics
 Harnessing big data and designing computer networks



AIR TRAFFIC CONTROL



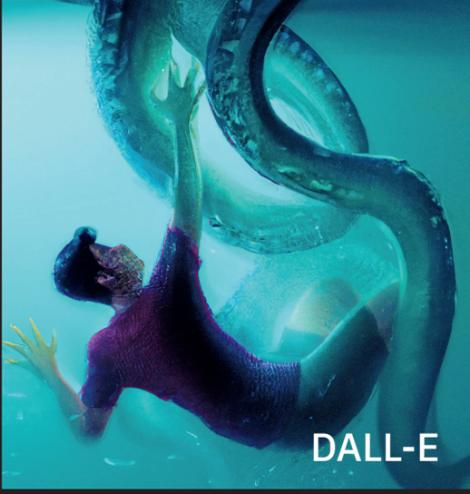
ARTIFICIAL INTELLIGENCE*

Computer Science
 Learning about the theory (and practice) behind computers and code



VIRTUAL REALITY

Information Technology or Computer Information Systems
 Supporting hardware and software solutions for businesses and individuals



DALL-E

*From Google results and Netflix “watch next” recommendations to the order of your TikTok, Instagram, and other feeds, the modern world runs on machine learning.



Wentworth

DESIGN PURPOSE WITH HIM



- Does LEGO still hold a special place in your heart (or in your home)?
- Do you get lost in the art of Instagram or TikTok?
- Is the layout of your bedroom a point of pride?
- Does modern architecture stop you in your tracks?

Making the world a better-looking place can also make the world a better place.

Imagine designing structures that not only stand the test of time but also tread lightly on the planet. Sustainable design principles are revolutionizing how we build, creating spaces that are both durable and eco-friendly. From how it's made to how it's recycled, industrial, electrical, and mechanical engineers are working to make a difference.

If these ideas sound intriguing, you might be interested in:

Architecture or Civil Engineering

Creating a built world that is both sustainable and responsive to people's needs



ARCHITECTURE

"I have always loved building. By studying to be an architect, I get to enjoy what I do each day, growing in ways I never thought I could. Furthermore, at Wentworth, I quickly learned how big an impact architecture can have on the environment, which inspired me to pursue a minor in sustainability through the Colleges of the Fenway."

Architecture student Chrisoula Moraitis, who completed a co-op at the Boston-based architecture and design firm DiMella Shaffer, and completed her thesis on improving lighting for pedestrians.



SNEAKER DESIGN



TOY DESIGN

Mechanical Engineering or Industrial Design

Building products or production lines



INTERIOR DESIGN

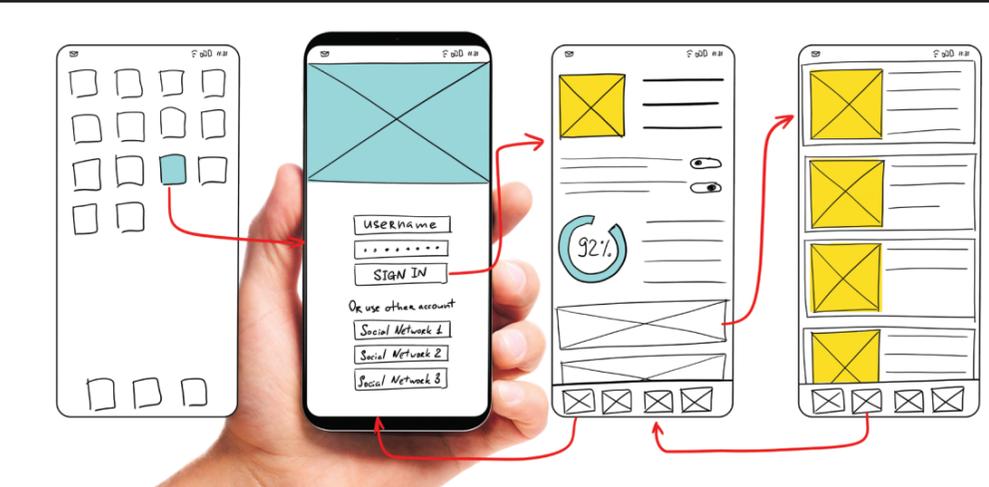
Interior Design

Making beautiful, functional spaces to live, work, and play

Electrical or Electromechanical Engineering
Creating devices and the systems that power them



MODULAR DESIGN*



UX/UI DESIGN

*Wentworth graduate and architect Carla Gautier Castro '16 M.Arch '17 constructs durable, affordable homes using shipping containers in Puerto Rico.





Make it here.

Wentworth Institute of Technology is a college for thinkers and doers, for dreamers and builders. For hands-on students who want to make an impact and who want to have fun doing it. If that sounds like you, we hope you'll add Wentworth to your list of desired college destinations!

Learn what you love.

Wentworth guarantees real-world experience through our co-op program. Every student has the chance to work with real companies to be future-ready for the jobs they may get after graduation.

Seize your moment in Boston.

Boston is one of the best college towns in the United States—and Wentworth is right at its heart. Our students have access to world-class cultural experiences, great food, a thriving community of fellow students, and professional opportunities with leading companies.

Carve your own path.

Wentworth offers first-year exploratory tracks to help undecided students find their perfect major and graduate on time.



Wentworth Hands-on. Future-ready.
Education that's **worth** it.

Your path starts here with our academic majors

- Applied Mathematics
- Applied Sciences
- Architecture
- Biological Engineering
- Biomedical Engineering
- Building Sciences
- Business Management
- Civil Engineering
- Climate Resilience
- Computer Engineering
- Computer Information Systems
- Computer Science & Society
- Computer Science
- Construction Management
- Cybersecurity
- Data Science
- Electrical Engineering
- Electromechanical Engineering
- Engineering
- Engineering - Robotics
- Industrial Design
- Information Technology
- Interior Design
- Mechanical Engineering
- Physics



Discover Wentworth.

Visit wit.edu to learn more and to schedule a visit.

