

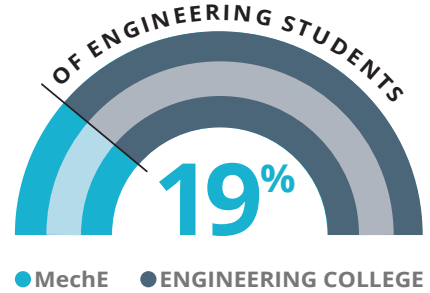
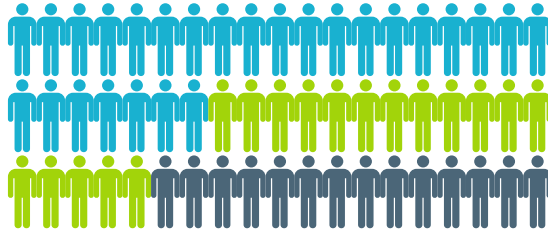
Carnegie Mellon University Mechanical Engineering

AT A GLANCE

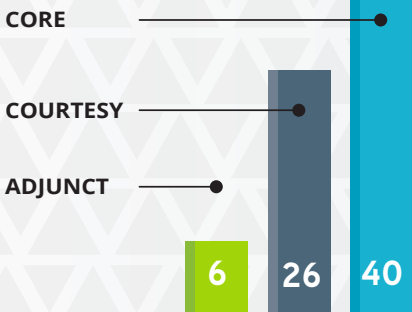
2021-2022 STUDENT POPULATION

885

● B.S. (400) ● M.S. (270) ● Ph.D. (215)



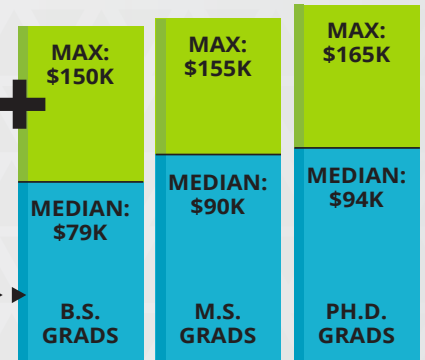
FACULTY



ALUMNI

6,085+

Salaries after Graduation as of 2020 ▶



RANKED

By U.S. News & World Report

#10

Mechanical Engineering Graduate Program 2022

College ranked #4

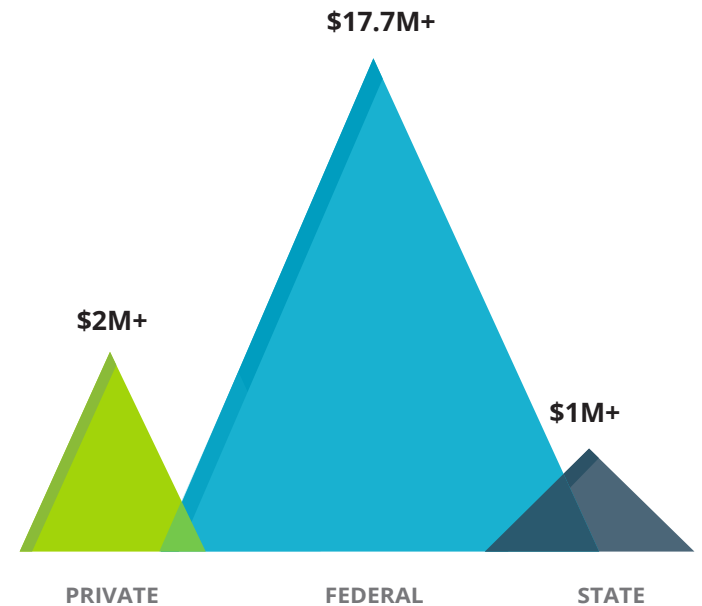
#9

Mechanical Engineering Undergraduate Program 2022

College ranked #6

RESEARCH FUNDING

July 2020-June 2021



A Maker Culture

Mechanical engineers create and integrate the physical connections we use to interact with the world around us. Our students have hands-on learning opportunities in Tech Spark's integrated maker spaces and high bay for building projects and prototypes. The new Scaife Hall, scheduled to open in 2023, will cultivate a sense of community among MechE students with a café and common area, an exterior engineering maker quad and courtyard, flexible classrooms, and technology enriched labs for multidisciplinary collaboration.



SAMPLING OF RECENT EMPLOYERS



Product Design

AE Dreams, Autodesk, Disney, Procter & Gamble



Academic & Research

MIT, Stanford, UC Berkeley,
National Energy Technology Laboratory, ETH



Petroleum/Oil & Gas Services

DOW Chemical, ExxonMobil, Schlumberger



Automotive

Ford, General Motors, Hyundai, Tesla, Velodyne Lidar



Robotics

Amazon Robotics, Boston Dynamics, Roush Fenway Racing,
Uber



Banking & Consulting

BNY Mellon, Capital One, IBM Global Business Services



Tech

Amazon, Apple, Argo AI, Fitbit, Google, Intel, Microsoft,
Nvidia, Playstation



Aerospace

Blue Origin, Boeing, Lockheed Martin, NASA JPL, SpaceX



Energy

Byrne Electrical Specialists, GE, kW Engineering



Healthcare

Abbot Labs, GlaxoSmithKline, Johnson & Johnson,
Philips Healthcare, St. Jude

START-UPS & SPIN-OFFS

Our students and faculty are heavily involved in starting companies.

Some examples:

- Lifeware Labs creates soft, flexible, low-cost, electronic stickers for improved vital sign monitoring.
- SolePower creates energy-harvesting technology for footwear.
- HuMoTech develops exoskeletons for patients to test-drive prosthetic devices.
- PECALabs designs medical devices for pediatric cardiac surgery.

SAMPLING OF AWARDS



SAMPLING OF ORGANIZATIONS

Women in MechE builds connections through mentoring, outreach, professional, and social events.

Carnegie Mellon Racing designs and builds an electric Formula 1 style race car to compete with teams globally. The 2019 team won first place in the Ontario, Canada competition.

The **ASME student chapter** offers learning experiences and activities about the mechanical engineering profession.

Carnegie Mellon Rocket Command earned the Altitude Award during the NASA Student Launch Competition at Marshall Space Flight Center in 2018, coming closest to NASA's one-mile target launch altitude.

The **MechE Diversity, Equity, and Inclusion Task Force** consists of students, staff, and faculty working together to create a more diverse, equitable, and inclusive environment.

The **Tartan Ice Drilling System** team was a 2018 top 10 finalist in the NASA RASC-AL Mars Ice Challenge, competing to extract the most water from a simulated Martian ice deposit.