Carnegie Mellon University
Mechanical Engineering

AT A GLANCE

2021–2022 STUDENT POPULATION

885

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

19% OF ENGINEERING STUDENTS

FACULTY

- CORE
- COURTESY
- ADJUNCT

6 26 40

ALUMNI

6,085+

Salaries after Graduation as of 2020

MAX: $150K
MEDIAN: $79K
B.S. GRADS

MAX: $155K
MEDIAN: $90K
M.S. GRADS

MAX: $165K
MEDIAN: $94K
PH.D. GRADS

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

$17.7M+
$2M+
$1M+

PRIVATE
FEDERAL
STATE

412-268-2500
www.mech.engineering.cmu.edu
CMU.Mech
@CMU_Mech
CMUEngineering
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.

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 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.

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

SAMPLING OF AWARDS

Forbes 40 Under 40
Toyota Mother of Invention
NSF Career Awards

UPDATED: 12/2021