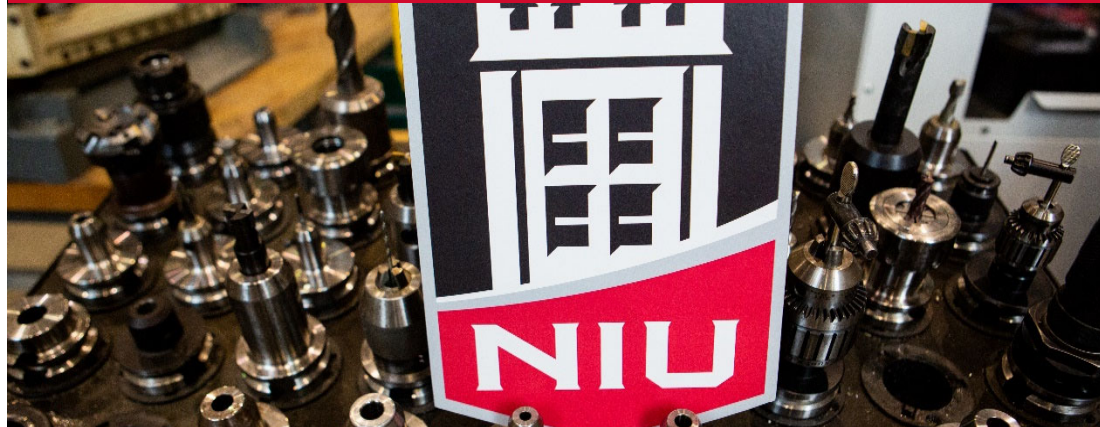




NORTHERN ILLINOIS UNIVERSITY

College of Engineering and Engineering Technology

September 23, 2021



College of Engineering and Engineering Technology

MISSION

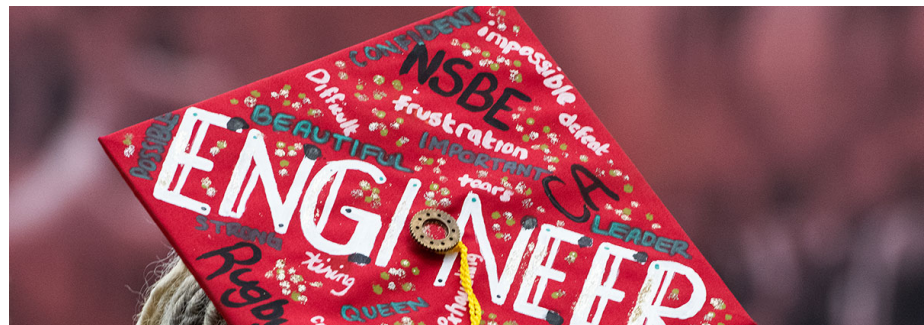
Provide *engineering excellence* in education, research, scholarly activities, and impactful engagement with industry, government, and communities.

VISION

To be the *premier choice* for a diverse body of students who aspire to be engineering innovators and leaders for the betterment of the world.

CORE VALUES

- Education
- Research and Scholarly Activities
- Diversity, Equity, and Inclusion
- Outreach and Engagement



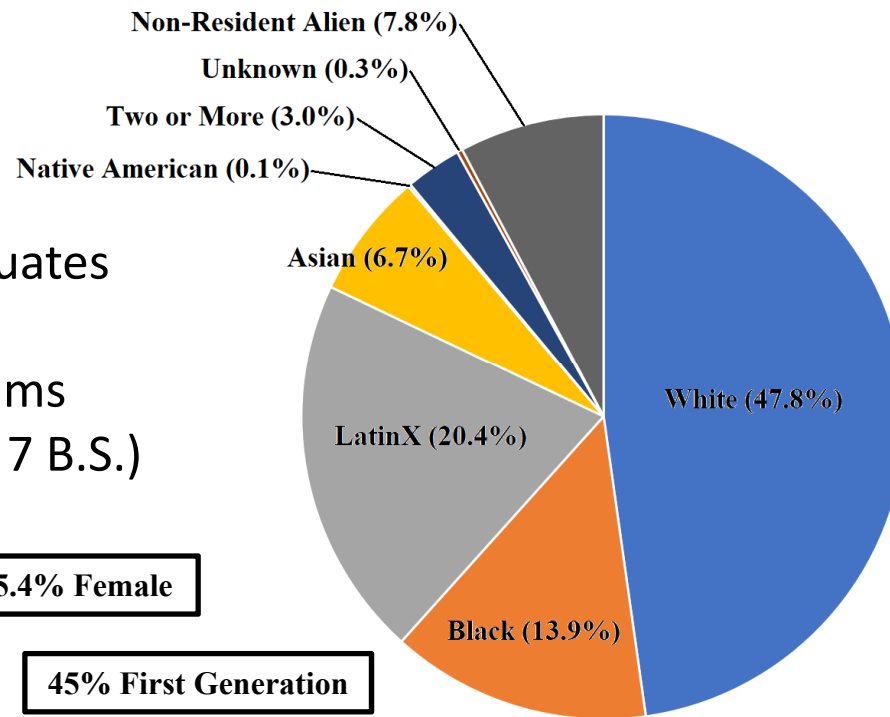
Preparing the Next Generation of Innovators



- 1,196 Undergraduates
- 171 Graduates
- 16 Degree Programs
(3 Ph.D., 6 M.S., 7 B.S.)

15.4% Female

45% First Generation



Accreditation Board
for Engineering and
Technology



Association of
Technology,
Management, and
Applied Engineering



CEET Strategic Plan Priorities – 2021-2026

PRIORITY 1

Foster an educational environment that promotes diverse experiential learning



PRIORITY 2

Support relevant and innovative research through scholarly activity



PRIORITY 3

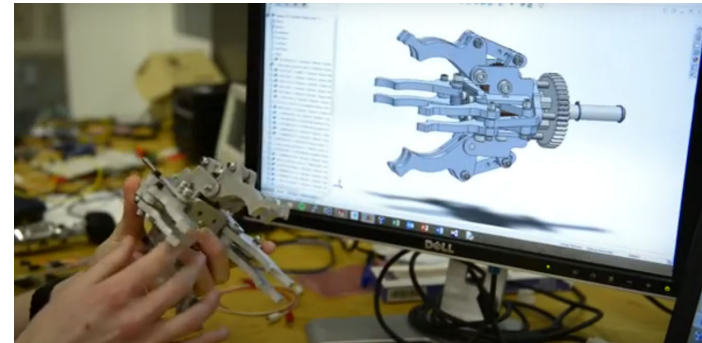
Reinforce collaborative links with the industry and the community



Fostering a Diverse, Experiential Environment

Curricular Initiatives

- Closing Equity Gaps
- Effective Pedagogical Practices
- Enhanced Mentoring



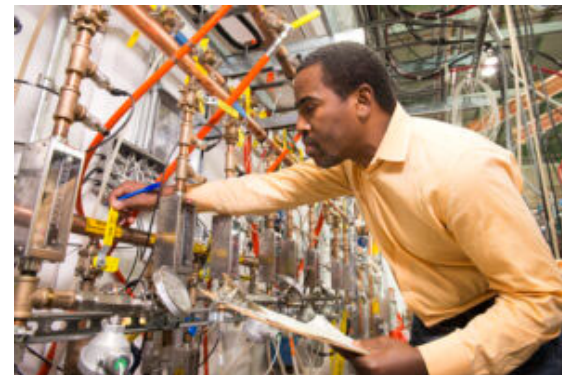
Student Engagement and Empowerment

- Engineering "TED" Talks and Workshops
- Strategies to Increase the Number of Women and Students of Color
- Culture Ball and Culture Nights



Educational Partnerships

- Fermi National Accelerator Laboratory
ASPIRE (Accelerator Science Program to Increase Representation in Engineering)



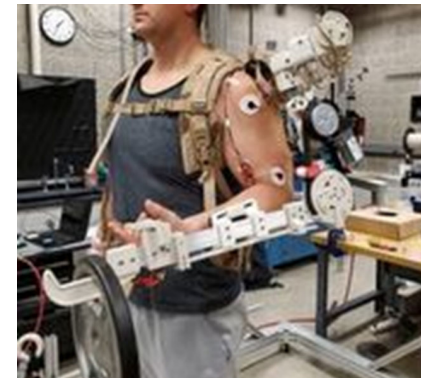
Innovative Research

Growth in Research and Contracts

- Faculty as PI
 - **Up 93%** (\$2.0M FY21, \$1.1M FY20)
- Faculty as PI or Co-PI in Collaboration with other NIU faculty
 - **Up 95%** (\$3.4M FY21, \$1.74M FY20)

	Sponsored Funding – FY17	Sponsored Funding – FY18	Sponsored Funding - FY19	Sponsored Funding - FY20	Sponsored Funding - FY21	% Change FY20 to FY21
Engineering and Engineering Technology	\$1,040,649	\$1,069,004	\$1,000,562	\$1,051,110	\$2,026,655	93%

Research and Innovation, Legal, and Legislative Affairs Committee Reports - August 15, 2019; August 20, 2020; and August 26, 2021



Collaborative Links

External Partnerships

- Hanover Research – Grantseeking Capacity Development
 - 12 proposals to federal agencies (\$4.87M)
 - NIH Early Career Award - Dr. Mohammad Moghimi
- APLU and NIST Pilot Program
 - *“NIU-IMEC Partnership to Advance Manufacturing Innovation”*
Position small- to medium-sized manufacturers in IL for a leading role in Industry 4.0



Thank You!

Senior Design Demonstration Day May 6, 2022, NIU Convocation Center

 NORTHERN ILLINOIS UNIVERSITY
College of Engineering and
Engineering Technology

Senior Design Demonstration Day

Please join us for our senior design showcase
of the College of Engineering and Engineering
Technology at Northern Illinois University.

**Friday, May 6
Noon - 4 p.m.**

NIU Convocation Center, 1525 W. Lincoln Highway, DeKalb, Illinois
Over **165** students will showcase
their innovative engineering and
technology senior projects
and designs. *Open to the public!*
Visitors are welcome.
Free admission!

