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

White (47.8%)

LatinX (20.4%)

Black (13.9%)

Asian (6.7%)

Non-Resident Alien (7.8%)

Unknown (0.3%)

Two or More (3.0%)

Native American (0.1%)
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)

<table>
<thead>
<tr>
<th>Sponsored Funding - FY17</th>
<th>Sponsored Funding - FY18</th>
<th>Sponsored Funding - FY19</th>
<th>Sponsored Funding - FY20</th>
<th>Sponsored Funding - FY21</th>
<th>% Change FY20 to FY21</th>
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<tr>
<td>Engineering and Engineering Technology</td>
<td>$1,040,649</td>
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<td>$1,051,110</td>
<td>$2,026,655</td>
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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