Our Mission

At Penn State, we believe that engineering education should prepare students for today’s competitive global workplaces.

Students must graduate with practical engineering experiences that enable them to contribute quickly and in meaningful ways that align with the goals of their future employers.

The School of Engineering Design and Innovation (SEDI) delivers effective engineering education through active, collaborative, project-based, and professionally oriented experiences. SEDI offers a variety of programs that partner faculty, students, and industry in real-life engineering problems with innovative solutions.

14 Campuses, including Penn State World Campus, offer SEDI engineering and engineering technology degrees, minors, and certificates

1,537 Average number of students enrolled in EDSGN 100 per academic year at University Park
(Five-year average from fall 2016 to fall 2021)
 Degrees, Minors, and Certificates

GRADUATE OFFERINGS:
- Doctor of Engineering (D.Eng.)
- Master of Engineering in Engineering Design (M.Eng.)
- Master of Science in Engineering Design (M.S.)
- Master of Engineering in Engineering Leadership and Innovation Management (M.Eng.)
- Master of Engineering in Engineering, Law, and Policy (M.Eng.)
- Graduate Minor in Engineering, Law, and Policy
- Graduate Minor in Engineering Leadership and Innovation Management
- Graduate Certificate in Engineering Leadership and Innovation Management

UNDERGRADUATE OFFERINGS:
- Engineering (B.S.)
- Electro-Mechanical Engineering Technology (B.S.)
- Surveying Engineering (B.S.)
- Biomedical Engineering Technology (A.S.)
- Electrical Engineering Technology (A.S.)
- Mechanical Engineering Technology (A.S.)
- Surveying Engineering Technology (A.S.)
- Engineering Design Minor
- Engineering Leadership Development Minor
- Social Entrepreneurship Cluster of the Intercollege Minor in Entrepreneurship and Innovation
- Technology-Based Entrepreneurship Cluster of the Intercollege Minor in Entrepreneurship and Innovation
- Certificate in Engineering Community Engagement
- Certificate in Engineering Design
- Certificate in Engineering Design with Digital Tools

Grants received by SEDI faculty in last six years*

<table>
<thead>
<tr>
<th>Agency</th>
<th>Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF</td>
<td>22</td>
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<tr>
<td>NIH</td>
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<td>2</td>
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<tr>
<td>Industry</td>
<td>9</td>
</tr>
</tbody>
</table>

*SEDI faculty serve as investigators or co-investigators

721
Number of students who participated in global experiences offered through SEDI courses in the past six years

Research Labs:
- Britelab
- DREAMs Lab
- DJSD Lab
- Made by Design Lab
- Mechanism Collective
- OPEN Lab
- PILOT Lab
- Systems Design Lab
- THRED Group
- Wagner Lab

Research Centers and Facilities:
- Center for Research in Design and Innovation
- Integrated Design Solutions

SEDI Maker Spaces:
- Design studios
- Fabrication and assembly shops
- Computer labs
- 3D modeling
- 3D printing
- 3D scanning

sedipsu.edu