BACHELOR OF SCIENCE IN
MECHANICAL ENGINEERING

Penn State Berks, the leading engineering college in Berks County, is one of only four Penn State campuses to offer the B.S. in Mechanical Engineering. This degree program is ABET-accredited. ABET is the global leader in accreditation of engineering, engineering technology, computing, and applied science programs.

Gain Marketable Experience in College
Mechanical Engineering is one of the largest and broadest engineering disciplines, involving the study of mechanics, fluid/thermal systems, and system dynamics. Built on a foundation of physics, chemistry, and mathematics, the Mechanical Engineering program at Penn State Berks includes both a strong design emphasis and hands-on laboratory experience. Students learn to use scientific and engineering methods to devise useful products that are safe, reliable, and cost effective.

Career Opportunities
Mechanical engineers have tremendous flexibility, working in every type of industry, in jobs ranging from research and development to manufacturing and operations. Mechanical engineers also work in product design, procurement, technical sales, and management. Graduates enter a wide variety of industries such as health care, energy, military, transportation, consumer products, and sports/recreation. The B.S. in Mechanical Engineering education is also an excellent preparation for careers such as technical management, business and patent law, and technical sales.

Continuing Education
Students in the Mechanical Engineering program will be well prepared for graduate and professional schools.

Academic Minors
Enhance your degree with one of the college’s academic minors; the following are recommended for Mechanical Engineering majors.

- Business
- Entrepreneurship & Innovation
- Information Sciences & Technology

Job Titles and Salaries
The following is a list of job titles and salaries, which was compiled from the Bureau of Labor and Statistics Occupational Outlook Handbook. This is only a partial list to provide you examples of the kinds of jobs available to graduates with a B.S. in Mechanical Engineering. Some positions require additional experience.

<table>
<thead>
<tr>
<th>Title</th>
<th>2015 Median Pay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combustion Engineer</td>
<td>$83,590</td>
</tr>
<tr>
<td>Engine Designer</td>
<td>$83,590</td>
</tr>
<tr>
<td>Health and Safety Engineer</td>
<td>$84,600</td>
</tr>
<tr>
<td>Industrial Engineer</td>
<td>$83,470</td>
</tr>
<tr>
<td>Materials Engineer</td>
<td>$91,310</td>
</tr>
<tr>
<td>Mechanical Engineer</td>
<td>$83,590</td>
</tr>
<tr>
<td>Mechanical Engineering Director</td>
<td>$132,800</td>
</tr>
<tr>
<td>Plant Equipment Engineer</td>
<td>$83,590</td>
</tr>
</tbody>
</table>

For more information, please visit BERKS.PSU.EDU
Studies begin in mathematics, mechanics, and thermodynamics and progress to courses such as machine design, heat transfer, and system dynamics. Students also learn how to apply scientific principles, engineering analysis, and engineering design to solve unstructured problems. In their senior year, students will work in small teams with individual faculty members to complete capstone design projects. Some projects will be based on faculty research, advancing basic understanding in Mechanical Engineering. Through the college’s Learning Factory, industry-sponsorship may be the source of some projects, giving students the opportunity to work on “real world” design challenges while completing their education.

Dr. Rungun Nathan
Program Coordinator

610-396-6170  RRN13@psu.edu

Admission Process
Applying for degree admission to Penn State Berks is simple. Applications are available on the web at berks.psu.edu. Penn State reviews applications throughout the year. Students can expect a decision within four to six weeks after completing the process. Contact Berks Admissions Office with your questions at 610-396-6060.

Transfer Students
Penn State Berks welcomes students who began their education at other institutions. Prospective transfer students are invited to use the online course evaluation guide at admissions.psu.edu/myadmissions/tas as a preliminary tool to learn how credits earned at another institution can be transferred to Penn State. Contact the Berks Admissions Office with your transfer questions at 610-396-6060.

Financial Aid
Eligibility for all financial aid is determined by completing the Free Application for Federal Student Aid (FAFSA) form available on the web at fnasa.ed.gov. Contact the financial aid coordinator at Berks or check the web at psu.edu/studentaid for a complete description of the types of available student aid and the application process at 610-396-6070.