Bachelor of Science Degree Program
Graduates earn an accredited Bachelor of Science (B.S.) degree with a physics base as well as firm background in engineering and applied sciences. Students typically pursue careers of research of development in applied physics, advanced technology, or engineering. The distinguishing feature of the program is a focus on the fundamentals of physics and mathematics, both experimental and theoretical, that have broad applicability, and supplemented engineering and design classes.

Master of Engineering Degree
This two semester professional master’s degree offers advanced study and training in Applied and Engineering Physics. The goal is to prepare students for cutting-edge industrial and research positions. It combines an interdisciplinary engineering curriculum with a research or design project focused on applying physics to scientific and technological problems. The curriculum is tailored to fit the needs of individual students, drawing on classes from across the engineering college, and the project offers an opportunity for independent research under the supervision of leading scientists and engineers.

**Specialty areas of research include:**
- Biophysics and biotechnology
- Condensed matter and materials physics
- Computation and simulation of physical processes
- Energy, fusion and plasma research
- Instrumentation and detectors for optical, infrared
- Semiconductor physics, design and processing
- Optics, photonics and optoelectronics
- Nanotechnology and nanocharacterization
- Micro-Electro-Mechanical Systems (MEMS)
- and astronomical applications

**Most Frequently Selected Fields, with average salaries**

<table>
<thead>
<tr>
<th>Field</th>
<th>Graduates</th>
<th>Respondents</th>
<th>Average Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>63%</td>
<td>21%</td>
<td>$62,166</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$41,833</td>
</tr>
<tr>
<td>Education</td>
<td>25%</td>
<td>50%</td>
<td>$39,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$45,000</td>
</tr>
<tr>
<td>Government</td>
<td>29%</td>
<td></td>
<td>$59,000</td>
</tr>
<tr>
<td>Consulting/Professional Practice</td>
<td>13%</td>
<td></td>
<td>$54,000</td>
</tr>
</tbody>
</table>

**Sample Job Titles**
- Flight and Controls Engineer
- Wind Energy Analyst
- Associate Electronics Engineer
- Engineering Leadership Development Program
- Systems Engineer
- Research Engineer
- Crew Training Engineer
- Consultant
- Applications Engineer
- Research Support Specialist

**Response Rates**
- Undergraduate 86%
- Graduate 80%
- Surveyed 67
- Responded 56
- Bachelors 32
- Masters 14
- Doctoral 10
**Employers**
Cornell University 3
Lawrence Berkeley National 2
Lockheed Martin 2
Weill Cornell Medical College - Qatar 2
Bechtel Bettis
Boeing
Boston University
Columbia University
Garrad-Hassan
Harvard University
Hitachi Global Storage Technologies
National Institutes of Health
Northrop Grumman
Paul Scherrer Institute
Sinton Consulting, Inc.
Stanford University
Yantel LLC

*Bolded employers recruited on campus: unless specified employer hired one

**Salary Statistics**
(mean annual salaries, shown in US Dollars)

<table>
<thead>
<tr>
<th></th>
<th>Bachelor's</th>
<th>Master's</th>
<th>Doctoral</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average</td>
<td>$57,690</td>
<td>$52,000</td>
<td>$60,333</td>
</tr>
<tr>
<td>Range</td>
<td>$69,850</td>
<td>$ —</td>
<td>$67,500</td>
</tr>
</tbody>
</table>

2008

**Signing Bonus**
25% of students reported receiving a median of $2,500

**Co-op Students 2009-2010**

<table>
<thead>
<tr>
<th>Average</th>
<th>Range</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>$19.17</td>
<td>$13.74-22.18</td>
<td>4</td>
</tr>
<tr>
<td>$20.23</td>
<td>$16.25-23.50</td>
<td>5 2008</td>
</tr>
</tbody>
</table>

**Graduate Schools Accepted to**

Cornell University 15
Massachusetts Institute of Technology 2
Stanford University 2
University of Michigan 2
California Institute of Technology
Northwestern University
University of California - San Diego
University of California - Santa Barbara
Duke University
University of Illinois - Urbana-Champaign
University of Arizona

**Geographic Location of Employed Graduates**

The Engineering Physics program at Cornell was recognized in the 2008 edition of the US News and World Report as the #1 ranked engineering physics/engineering science undergraduate program in the nation for the fourth consecutive year.

**How Employment was Found**

- Career Services 18%
- Personal Contact 18%
- Internet Job Listing 18%
- Other 28%

*Previous Internship 18% of this, 0% were found through career services

**Engineering Co-op & Career Services**

201 Carpenter Hall
Ithaca, NY 14853
eng-career@cornell.edu
Phone: 607-255-5006