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 or 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 and astronomical applications
- Semiconductor physics, design and processing
- Optics, photonics and optoelectronics
- Nanotechnology and nanocharacterization
- Micro-Electro-Mechanical Systems (MEMS)

Most Frequently Selected Fields, with average salaries

<table>
<thead>
<tr>
<th>Field</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>$76,250</td>
<td>$75,150</td>
</tr>
<tr>
<td>Financial Services</td>
<td>$83,333</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Consulting/Professional Practice</td>
<td>$76,250</td>
<td></td>
</tr>
<tr>
<td>Government</td>
<td>$64,704</td>
<td></td>
</tr>
<tr>
<td>Communications/Media</td>
<td>$70,000</td>
<td></td>
</tr>
</tbody>
</table>

Sample Job Titles
- Patent Examiner
- Researcher
- Systems Engineer
- Optical Engineer
- Assistant Trader
- Algorithm Designer
- Consultant
- Business Tech Analyst

Postgraduate Activities
- Bachelors Degree Recipients
  - Still Seeking 2%
  - Employed 32%
- Graduate School 66%
- Undergraduate 94%
- Graduate 42%
- Surveyed 71
- Responded 54
- Bachelors 44
- Masters 7
- Doctoral 3

www.engineering.cornell.edu/postgradreport
Co-op Students, 2008-2009

Signing Bonus
53% of students reported receiving a median of $7,500

How Employment was found
Career Services 63%
Internet Job Listing 11%
Personal Contact 11%
Other 15%

Salary Statistics
(mean annual salaries, shown in US Dollars)
Bachelors Masters Doctoral
$69,850 - $82,500 2007
$61,000 -

Signing Bonus
53% of students reported receiving a median of $7,500

Co-op Students, 2008-2009
Average Range Participants
$20.23 $16.25-23.50 5
$20.44 $20.36-20.48 3 2007

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Ithaca, NY 14853
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