Biophysics is an interdisciplinary science in which the principles and techniques of physics are applied to the study of living things and how they work. At Scranton, we will prepare you to tackle big problems facing society today, such as global warming, depleting water supplies and other significant issues.

Outcomes & Opportunities

- Students collaborate with faculty and conduct research on a wide range of topics. Recent students have obtained paid summer research experiences at Purdue University, the University of South Florida and Rutgers University.

- Biophysics graduates of Scranton work in a wide range of organizations as scientists, optometrists, teachers, engineers and a number of other roles.

- Leading employers of recent graduates include Geisinger Commonwealth School of Medicine, Goddard Earth Sciences Technology & Research (GESTAR), Penn Medicine Valley Forge and Thorlabs, Inc.

- Many of our biophysics majors continue on to graduate school, studying topics such as biomedical engineering, medical physics, biostatistics, medicine, optometry and atmospheric/oceanic science.

- Some graduate schools that have admitted recent graduates include Columbia University, Carnegie Mellon University, Johns Hopkins University and the University of Pennsylvania.

admissions.scranton.edu/biophysics
<table>
<thead>
<tr>
<th>Semester</th>
<th>Department &amp; Number - Descriptive Title of Course</th>
<th>Fall Cr.</th>
<th>Spr. Cr.</th>
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<tr>
<td><strong>FIRST YEAR</strong></td>
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<tr>
<td>MAJOR</td>
<td>PHYS 140/PHYS 140L - (E) Elements of Physics I – PHYS 141/PHYS 141L - (E) Elements of Physics II</td>
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<tr>
<td>MAJOR</td>
<td>BIOL 141/BIOL 141L (E) (FYOC, FYDT Lab only) General Biology –</td>
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<td>GE WRTG</td>
<td>WRTG 107 - (FYW) Composition</td>
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<td>GE T/RS</td>
<td>T/RS 121 (P) Theology I: Introduction to the Bible</td>
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<td>GE FSEM</td>
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<td>MAJOR</td>
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<td>EE 241/EE 241L - (EPW) Circuit Analysis</td>
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<td>COGNATE</td>
<td>CMPS 134 - Computer Science I / CMPS.134L - Computer Science I Lab</td>
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<td>MATH 221 - (Q) Calculus II – MATH 222 - (Q) Calculus III or MATH 222 - (Q) Calculus III – MATH 341 - Differential Equations</td>
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<td>GE PHIL</td>
<td>PHIL 120 - Introduction to Philosophy</td>
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<td>GE T/RS</td>
<td>T/RS 122 - (P) Theology II: Introduction to Christian Theology</td>
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<td>GE PHIL</td>
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<tr>
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<td>GE HUMN</td>
<td>HUMN ELECT – Humanities Electives</td>
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<td>GE ELECT</td>
<td>FREE ELECT – Free Electives</td>
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Total: 126 Credits

1.888.SCRANTON or visit admissions.scranton.edu

**CONTACT INFORMATION**

Andrew Berger, Ph.D., Chair, Department of Physics & Engineering
Tel: 570.941.4056 · Email: wandrew.berger@scranton.edu

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1. EP requirement is met through successful completion of BIOL 141L and BIOL 142L.
2. Math placement may affect the order in which these classes are taken.
3. The selection of a First Year Seminar is likely to fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.
4. Recommended PHYS 493 - PHYS 494.

Curriculum grid effective for the 2021-22 academic year in accordance with the undergraduate course catalog.