Biological Sciences Department Profile

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Graduate education in the biological sciences provides individuals with the training, guidance, experience, and opportunity to participate in research that enables their transition from being students of biological knowledge to being fully participating members of their profession. The Department of Biological Sciences offers the degree of Doctor of Philosophy via two areas of concentration: Molecular, Cellular and Developmental Biology (MCDB) and Ecology and Evolution (E&E).

PROGRAMS OFFERED:

<table>
<thead>
<tr>
<th>Major Field of Study</th>
<th>Degree</th>
<th>Avg. Fall Student Applicants</th>
<th>Avg. New Students Enrolled</th>
<th>Average Yearly # of Degrees</th>
<th>Yearly Enrolled</th>
<th>Average Percentage of Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular, Cellular &amp; Developmental Biology</td>
<td>PhD</td>
<td>235</td>
<td>8</td>
<td>6</td>
<td>41</td>
<td>66</td>
</tr>
<tr>
<td>Ecology &amp; Evolution</td>
<td>PhD</td>
<td>54</td>
<td>4</td>
<td>3</td>
<td>25</td>
<td>Both Programs</td>
</tr>
</tbody>
</table>

Recent Ph.D.’s Placements:
- Assistant Professor, Longwood University, Dept. of Biological & Environmental Sciences, Farmville, VA
- Assistant Professor, St. Mary’s College, South Bend, IN
- Assistant Professor, Seton Hill University, Department of Biology
- Assistant Professor, Slippery Rock University, Slippery Rock, PA
- Associate Group Leader/Principal Investigator, Pharmaceutical Product Development, Richmond, VA
- Curriculum Writer at Education2020, Seattle, WA
- Director of Middle Schools Outreach Coordinator, University of Pittsburgh, Biological Sciences
- Miller Postdoctoral Research Fellow, UC Berkeley, Miller Institute for Basic Research in Science, Berkeley, CA
- Postdoctoral Associate, University of Massachusetts, Department of Gene Expression and Regulation, Worcester, MA
- Postdoctoral Research Associate, Johns Hopkins University, School of Medicine, Baltimore, MD
- Postdoctoral Research Associate, Children’s Hospital of Pittsburgh, Developmental Biology
- Postdoctoral Research Associate, NESCent National Evolutionary Synthesis Center, Durham, NC
- Postdoctoral Research Fellow, Harvard Medical School, Boston, MA
- Lecturer, Massey University, New Zealand Institute for Advanced Study, Auckland, New Zealand
- Postdoctoral Researcher, University of Prince Edward Island, Centre for Veterinary Epidemiological Res., Canada
- Postdoctoral Researcher, Dept of Pediatric Dentistry, College of Dentistry at University of Illinois at Chicago
- Statistical Analyst, BioStat Solutions, Inc., Mount Airy, MD
- Teaching Postdoctoral Fellow, University of Sciences, Department of Biological Sciences, Philadelphia, PA
- Visiting Assistant Professor, John Carroll University, Biology Department, University Heights, OH
- Visiting Assistant Professor, University of Sciences, Department of Biological Sciences, Philadelphia, PA

Admissions Requirements:
- College degree in biology, chemistry, mathematics or physics.
- Both overall and science undergraduate performances of B or better (QPA >= 3.0 out of 4.0)
- Two courses completed in each of the following study areas:
  - Biology
  - General Chemistry
  - Organic Chemistry
  - Mathematics through Calculus
  - Physics
- GRE scores at/or above 60 percentile in Verbal, Quantitative and Analytical; Advanced test not required.
- TOEFL - minimum score of 90 (with at least a score of 22 in all of the four sections of speaking, listening, reading and writing); IELTS - minimum score of 7.0 (with at least 6.5 in each of its four sections).
- Three letters of recommendation.
- Research experience is required.

**Admission Deadline:**
- Domestic: January 3rd
- International: December 9th

<table>
<thead>
<tr>
<th>Average GPA of Entering Students: 3.53</th>
<th>Percentage of Students fully FUNDED BY DEPARTMENT (e.g., Assistantships, Fellowships):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average GRE's of Entering Students:</td>
<td></td>
</tr>
<tr>
<td>Verbal: 159</td>
<td>[ X ] 100%</td>
</tr>
<tr>
<td>Quantitative: 158</td>
<td>[ ] Less than 50%</td>
</tr>
<tr>
<td>Analytical: 4.3</td>
<td>[ ] 50-99%</td>
</tr>
<tr>
<td>[ ] None</td>
<td>[ ] None</td>
</tr>
</tbody>
</table>

Is the GRE Subject Test Required? [ X ] No [ ] Yes

Can Students Earn a Degree Exclusively Through:
- Part-Time Study? [ ] Yes [ X ] No
- Evening/Weekend Study? [ ] Yes [ X ] No

Are Career-Related Internships/Field Work Available? [ X ] Yes [ ] No

Number of Faculty Members Actively Involved with Graduate Students through Teaching or Research:
- Part-Time: 0
- Full-Time: 28

Last Revised: June 2014

**Current Research Interests of Department’s Faculty:**
- Biochemistry
- Biophysics
- Cell Biology
- Computational Biology
- Developmental Biology
- Ecology
- Evolution
- Genetics
- Genomics
- Microbiology
- Molecular Biology
- Plant Biology
- Structural Biology

University of Pittsburgh, Dietrich Graduate Studies Office