Physics and Astronomy Department Profile

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Diversity Liaison: Same as Above
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Department Website:  http://www.physicsandastronomy.pitt.edu

The Department of Physics and Astronomy offers the MS and PhD degrees in physics. The graduate program provides a broad experimental, observational, and theoretical foundation upon which students build careers as scientists prepared for both teaching and research.

PROGRAMES OFFERED:

<table>
<thead>
<tr>
<th>Major Field of Study</th>
<th>Degree</th>
<th>Fall 2014 Applicants</th>
<th>New Students to Enroll</th>
<th>2013-14 Yearly # of Degrees</th>
<th>Currently Enrolled</th>
<th>Number of Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph.D./MS</td>
<td></td>
<td>201</td>
<td>26</td>
<td>11 Ph.D.</td>
<td>104</td>
<td>21</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>17 MS</td>
<td></td>
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</tbody>
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Recent Ph.D.'s Placements:
Analyst for Morgan Stanley Huaxin Securities (Beijing)
Brookhaven National Laboratory
Consultant for Detica (Specialist Business and Technology Consultancy)
ELSA Marie Curie Fellow at INAF, Italy
Faculty UPMC Radiology Department
Google Software Engineer
National Renewable Energy Lab (NREL)
OARU (Oakridge Associated Research Universities)
Principal, Environmental Charter School (Pittsburgh Public Schools)
Process Engineering at INTEL Corporation
Postdocs and Research Associates at: University of CA, Berkeley; Penn State; Georgia Tech; University of TX; Kent State; University of Pittsburgh; Carnegie Mellon University; Johns Hopkins; University of Colorado; Yale; to name a few.
Postdoc at Dunlap Institute for Astronomy & Astrophysics (Toronto)
Postdoc at Yale University
Postdoc at Max Planck Institute, Heidelberg
Postdoc at Laboratoire d’Astrophysique (LAM) France
Postdoc serve as Associate Director of the Discipline-based Science Education Research Center (PITT)
Postdoctoral Research Associate at Ames Laboratory (US Dept. of Energy)
Real Time Risk Systems, LLC, Wall Street, NYC
Research Associate; SLAC National Accelerator Lab
Royal Observatory, Edinburgh, UK
Scientific Assistant, DESY, Hamburg, Germany (German Electron Synchrotron DESY, Member of the Helmholtz Association one of the leading accelerators centers in the world.
Seismic Imager, GCGGVeritas

MS Recipients: Many doctoral students obtain the MS in Physics while working towards Ph.D.

Admissions Requirements:
Student must have earned a baccalaureate degree in physics, astronomy, or some related field with a minimum 3.0 on a 4.0 scale; submit a complete on-line application and supporting materials; submit both General and Subject GRE scores and have a distinguished undergraduate record. Unless otherwise indicated, a completed application also serves as an application for financial support. (Over)
**Average GPA of Entering Students:** 3.6

**Average GRE’s of Entering Students:**
- Verbal: 155
- Quantitative: 163
- Analytical: 3.6

Is the GRE Subject Test Required? [ ] No [X] Yes (specify) Physics

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

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: ~
- Full-Time: 47

Percentage of Students fully FUNDED BY DEPARTMENT (e.g., Assistantships, Fellowships):
- [ ] 100%
- [ ] Less than 50%
- [X] 50-99%
- [ ] None

How many years of support guaranteed from department: Three years. Additional support available based upon progress and availability of funds. However, majority of students supported throughout their studies.

Are Departmental Awards Available to Master’s Degree Students? [ ] Yes [X] No

**Current Research Interests of Department’s Faculty:**
- Astrophysics/Cosmology
- Biological Physics
- Chemical Physics
- Condensed Matter/Solid State Physics
- Nanoscience
- Particle Physics
- Physics Education Research
- Quantum Information

Last Revised: July 2014