Program of Computational Modeling and Simulation Profile

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Department Website: [http://cmsp.pitt.edu/](http://cmsp.pitt.edu/)

PROGRAMS OFFERED:

<table>
<thead>
<tr>
<th>Major Field of Study</th>
<th>Degree</th>
<th>Avg. Fall Student Applicants</th>
<th>Avg. Fall Students Enrolled</th>
<th>Average % Women of Degrees</th>
<th>Yearly # of Degrees</th>
<th>Average Enrolled</th>
<th>Percentage of Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computational Modeling &amp; Simulation</td>
<td>MS. &amp; PhD</td>
<td>20</td>
<td>4.5</td>
<td>N/A</td>
<td>4.5</td>
<td>44%</td>
<td></td>
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</tbody>
</table>

Recent MA/MS/Ph.D.’s Placements: N/A

Admissions Requirements:

- A statement of purpose that addresses your specific interests and/or expertise in the field you wish to study, and describes as specifically as possible the area of research you wish to pursue.
- Transcripts for all college-level institutions attended.
- Three letters of reference.
- Graduate Record Examination (GRE) scores including the any subject examinations.

International: Please provide all of the above plus:
Test of English as a Foreign Language (TOEFL) scores
Application fee - $50

The required minimum TOEFL score of 90 (with at least a score of 22 in all of the four sections of speaking, listening, reading and writing) will be required for 2013-2014 applicants. The required minimum IELTS score of 7.0 (with at least 6.5 in each of its four sections) will be required for 2013-2014 applicants.

Admission Deadline: January 15, 2013 for Fall 2013
Average GPA of Entering Students: 3.88
Average GRE’s of Entering Students: Verbal :333; Quantitative: 740; Analytical :3

Is the GRE Subject Test Required? [ X ] No [ ] Yes
Although it is not required, it is strongly encouraged.
Can Students Earn a Degree Exclusively Through:

- Part-Time Study? [ X ] Yes [ ] No
- Evening/Weekend Study? [ ] Yes [ X ] No

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

Number of Faculty Members Actively Involved with Graduate Students through Teaching or Research: 12

Part-Time: Yes  Full-Time: Yes

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: One year for accepted Fellows

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

Special Program Highlights:
The Computational Modeling and Simulation Program at the University of Pittsburgh provides its graduate students with an integrated program of creative, independent research, course work, and teaching. Our students pursue research in diverse areas including:

- Bioengineering
- Biological Sciences
- Chemical and Petroleum Engineering
- Chemistry
- Civil and Environmental Engineering
- Computer Science
- Economics
- Industrial Engineering
- Mathematics
- Mechanical Engineering and Materials Science
- Physics and Astronomy
- Psychology
- Statistics

The quality of the department’s research program, the Center for Simulation and Modeling and the accessibility of its faculty will offer unparalleled opportunities for individualized training and interaction.

Current Research Interests of Program’s Faculty:

- Bioengineering
- Biological Sciences
- Chemical and Petroleum Engineering
- Chemistry
- Civil and Environmental Engineering
- Computer Science
- Economics
- Industrial Engineering
- Mathematics
- Mechanical Engineering and Materials Science
- Science
- Physics and Astronomy
- Psychology
- Statistics