Graduate Recruiting and Admissions
Computer Science

Dr. David Sturgill, Director Computer Science Graduate Program
Computer Science Graduate Recruiting and Admissions

- Admissions overview
- Recruiting and Admissions Goals
- Projects and recruiting efforts
- Status report
CS Grad Program Overview

• Typically 18 – 24 full-time students

• Department tuition and stipend budget
  ◦ Grading and lab responsibility
  ◦ Support for about 12 students

• Additional funding sources
  ◦ Research assistantships
  ◦ Funded development projects in the department
  ◦ Software development elsewhere on campus
CS Grad Program Overview

- About 10-12 new students each year
- Fall and spring admissions cycle
- Student Attrition
CS Applicant Profile

- International Applicant Pool
- China and India well represented
- Computer Science, Engineering and Math backgrounds
- Several from our own undergraduate program
CS Applicant Pool Goals

- Some (but not all) of the best Baylor undergraduates
- More students from other US schools
- More international applicants from outside China and India
- More complete computer science background
CS Recruiting Efforts

- High GRE score mailing list
- Challenge problem
- Student pipeline
  - Czech Technical University
  - Harbin Institute of Technology, China
  - Tribhuvan University, Nepal
- Establishing contact with a current student
CS Fall 2008 Class

- Fall 2008 admissions
  - 40 applicants
  - Expecting 9 new students
  - Average GRE: 1346
  - University average: 1172

- Responses still coming in
CS Application Trends

- Growing Applicant Pool

<table>
<thead>
<tr>
<th>Year</th>
<th>Applicants</th>
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<tbody>
<tr>
<td>2005</td>
<td>24</td>
</tr>
<tr>
<td>2006</td>
<td>31</td>
</tr>
<tr>
<td>2007</td>
<td>35</td>
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<tr>
<td>2008</td>
<td>40</td>
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- Rising GRE Scores

<table>
<thead>
<tr>
<th>Year</th>
<th>GRE Average</th>
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<tbody>
<tr>
<td>2005</td>
<td>1354</td>
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<td>2006</td>
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<td>2007</td>
<td>1314</td>
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<tr>
<td>2008</td>
<td>1346</td>
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</table>
Graduate Recruiting and Admissions

Engineering

Dr. Mike Thompson, Director, Engineering Graduate Program
Engineering Graduate Programs

- Established 2004
- Master of Science (Thesis Required)
  - MS Biomedical Engineering
  - MS Electrical and Computer Engineering
  - MS Mechanical Engineering
  - 15 graduates as of May 08
- Master of Engineering (Project Required)
  - 3 graduates as of May 08
EGR Degree Requirements

- BME - 3 of 5 core courses, 8 total courses, 6 thesis hours
- ECE – 3 of 4 core courses, 8 total courses, 6 thesis hours
- ME – 3 course Thermal/Fluids core OR 4 course Mechanics/Materials core, 8 total courses, 6 thesis hours
Joint M.S. Degree Programs

- Designed to attract the top Baylor Engineering Graduates
- Allows students to share two courses between the undergraduate and graduate requirements
- 2 (of the 15 MS graduates) have been from the joint degree program
Joint Master of Engineering/MBA

- Allows students to share 15 credit hours between the two programs.
- Separate admission and funding decisions
- All 3 ME graduates were in the joint ME/MBA program
EGR Graduate Student Funding

- 2007 Graduate Budget – 8 FTE Stipend w/ Tuition
- Stipend $15K per year
- Operational Request resulted in 1 addition FTE Stipend
  - Engineering Faculty provided 26 semesters of Support to match the 42 semesters of support from the Graduate School
## EGR Applicant Statistics

<table>
<thead>
<tr>
<th>Table 1: Number of Applicants</th>
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<tr>
<td></td>
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<tr>
<td>BME</td>
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<tr>
<td>ECE</td>
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<tr>
<td>MECH</td>
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<tr>
<td>ME</td>
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<tr>
<td>Total</td>
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<tr>
<td>GRE</td>
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## Spring 2008: Graduate Student Enrollment Statistics

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<th>Full</th>
<th>Part</th>
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<th>Avg(GRE)</th>
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<th>RA</th>
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<tr>
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<td>22</td>
<td>1232</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
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EGR Ongoing Issues

- Ph.D. proposals were submitted for degrees in ECE and ME
- Curriculum Coordination
- Graduate Students Teaching
- Staffing to provide depth in BME
- Recruiting