School of Science
Performance Planning Forum
Faculty Senate

Joseph E. Flaherty, Dean
October 1, 2003

School of Science Plan

Mission

- Lead in the creation and dissemination of scientific knowledge that will be the core of tomorrow’s technology

Vision

- Outstanding faculty and students
- Top-tier research programs in strategic areas
- Innovative educational programs
# School of Science Administration

## Dean’s Office
- **Dean:** Joseph E. Flaherty
- **Associate Dean:** Samuel C. Wait, Jr.
- **Associate Dean of Science and IT:** David Spooner
- **Associate Dean of Science, undergraduate education:** search in 2004
- **Associate Dean of Science, graduate education and research:** William L. Siegmann

## School of Science Administration

### Departments
- **Biology:** Robert Palazzo
- **Chemistry:** Search in progress
- **Computer Science:** Jeffrey Trinkle
- **Earth and Environmental Sciences:**
  - Frank Spear (renewed)
- **Mathematical Sciences:** Donald Drew
- **Physics, Applied Physics, and Astronomy:**
  - Gwo-Ching Wang (renewed)
Faculty Recruitment

- Biology: 4
- Chemistry: 1
- Computer Science: 3
- Earth and Env. Sciences: 1
- Mathematical Sciences: 2

Highlights
- Bob Linhardt, BCME Constellation Professor
- Jong-Shi Pang, Darrin Professor, Mathematics
- Jeff Trinkle, Chair, Computer Science
- Four women, with one a minority

Research Activities

New research centers
- Terahertz Research
- Pervasive Computing and Networking
- Inverse Problems

Major research awards
- Terascale and terahertz science
  - $3.8M NSF/IGERT award to G.-C. Wang et al.
- Focal adhesion kinase
  - $3.5M NIH award to G. Plopper and K. Bennett
Educational Activities

Bioscience course
- Under development

Accelerated B.S./Ph.D.
- First year underway
- Candidates under review

Science core curriculum
- Under review

FY05 Plan: Faculty Activities

Aggressive recruitment
- Replacement faculty in Chemistry and Physics
- Biochemistry and Physics chaired faculty
- New faculty

Faculty development and recognition
- Mentorship, awards

New research thrusts and opportunities
- Cyber infrastructure

Research space and infrastructure
- Short- and long-term solutions
FY05 Plan: Student Activities

Ph. D. programs
- Recruiting outstanding graduate students
- Increasing research support

Undergraduate programs
- Core curriculum review
- Staffing large lower-division classes
- Student advising
- Accreditation review

Science Planning Team

Associate Deans
Department Chairs
Center Directors
Planning Committees
- 20 subcommittees in different areas
**Science Planning**

<table>
<thead>
<tr>
<th>Event</th>
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<tr>
<td>Discussion of new initiatives</td>
<td>September 2</td>
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<td>Initial planning retreat</td>
<td>September 5</td>
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<td>Advisory Council retreat (DFWI)</td>
<td>September 23</td>
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<td>Department and Center plans due to Dean</td>
<td>October 3</td>
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<tr>
<td>Department and Center planning retreat</td>
<td>October 13</td>
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<td>Initial drafts of portfolio Performance Plans</td>
<td>October 31</td>
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<td>Crosscutting reviews within other portfolios</td>
<td>Oct 31 – Nov 14</td>
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<td>Planning retreat</td>
<td>November 12</td>
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<td>Performance Plans submitted to the President</td>
<td>December 5</td>
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