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College of Engineering Strategic Plan Status Report

25 April, 2003



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Goal 1

Increase the quality and reputation of academic programs to prepare students for successful careers in a changing global environment

FY-03 Accomplishments

- Launched new undergraduate curriculum in Fall-2002
- Graduated record eight students in Technological Entrepreneurship Certificate Program
- Center for Technical Communication
 - Two proposals funded by 3-M (\$10K, \$5K)
 - proposal pending with private donor (\$1M)
 - industrial short course taught at Maytag

FY-03 Accomplishments

- Student Leadership Institute
 - proposal pending for endowment (\$200K)
 - expanded to include ISU and CLAS students
 - Expanded to include host industry
- Student chapter of AIChE wins national student chapter award for 10th straight year
- First undergraduate entrepreneurship venture capital funds awarded in December
 - X-Wires
 - Peace of Mind

FY-04 Expected Accomplishments

- Challenge faculty to include global component in first year curriculum
- Initiate aggressive recruitment program, engaging faculty, staff, and alumni, in major target communities



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Goal 2

**Achieve international recognition for
research and graduate programs**

FY-03 Accomplishments

- Established Center for Bioinformatics and Computational Biology (jointly with Medicine)
- Hydraulics Laboratory renovation completed; initiated search for new Director
- Research expenditures of \$23.4M (\$297K/faculty)
- Initiated NSF Graduate Fellow incentive program (2 UI NSF Fellows retained at UI)



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FY-04 Expected Accomplishments

- Continued growth in research and external recognition of faculty achievements
- IIHR International Perspectives Course in Argentina



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Goal 3

Become a more valuable asset to the profession, the state, and the University

FY-03 Accomplishments

- Initiated writing improvement seminars for Iowa corporate partners
- Expanded Corporate Partnership Program to include 12 new Iowa and Midwest-based companies
 - Now >225 corporate partners
- Expanded engineering alumni participation in UI Alumnet mentoring program to 150



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FY-03 Accomplishments

- Sponsored ACE Academy for underrepresented students in the Davenport School District
- New College of Engineering Web Site
 - www.engineering.uiowa.edu

FY-04 Expected Accomplishments

- Conduct state outreach program, connecting with corporate partners, legislative leaders, alumni
- Engage college in planned new On-Line Community program through UI Alumni Association
- Establish annual report lunches/meetings for engineering alumni who work at Iowa companies



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Goal 4

Attract, develop, and retain a high quality faculty and staff in a changing global environment

FY-03 Accomplishments

- Hired six new faculty
- Worked with CLAS on engineering faculty retention case and dual-career hiring
- Faculty Awards (PECASE, CAREER, 3 Fellows)
- One new professorship awarded (Gene Parkin, Bentley Professor)
- Two Faculty Fellows Awarded (Larry Weber, John Lee, Bentley Fellows)



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FY-04 Expected Accomplishments

- Continue hiring by implementing creative cost-sharing hiring packages with UI Foundation monies



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Goal 5

**Acquire and effectively manage
resources to enable growth of the
College**

FY-03 Accomplishments

- College generated \$5.3M in outright gifts and commitments to UI Foundation
- 61% towards Comprehensive Campaign goal
- Implemented increased computer fee

FY-04 Expected Accomplishments

- Identify potential sources of non-gift income (e.g., short courses, tuition surcharge, and other fees)
- Work with DEOs and faculty to set appropriate teaching loads in relation to research and service

Metrics on Trajectory to Meet 2004-05 Target

- Experiential learning for undergraduates
- Writing across the curriculum
- Research funding
- Graduate enrollment and degree productivity
- Interdisciplinary projects
- Comprehensive Campaign Goal



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Metrics not on Trajectory to Meet 2004-05 Target

- Undergraduate enrollment
- USNWR rankings
- Number of faculty



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Questions and Comments ?