

# 2001-2002 Engineering & Technology

Section

Document Name

## Mission

Our vision is to be an innovative leader in effective, collaborative, and accessible education, research and scholarship, and service programs in engineering and technology.

Our mission is to provide quality education, develop technical leaders, and conduct basic and applied research. We strive to enhance our community through civic responsibility and by promoting economic development.

## Goals and Objectives

▢ a. Actively recruit students, especially those with excellent academic backgrounds, from traditional constituencies, from new constituencies, and local industries. Expand our scholarship and fellowship program. Improve our retention of students and increase the percentage of students completing and graduating from our programs to achieve this goal.

☑ Increase our student retention rate and graduation rate in the School.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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### Actions taken for 2001-2002:

We expanded the Freshman Engineering Program in July 2002 by adding one full-time lecturer and one full-time administrative secretary. This office is responsible for admitting, transferring, mentoring, advising, and retaining of freshman engineering students. One full-time staff member is shared with the University College to provide a bridge for advising, mentoring, and the retention of technology students that transfer from the University College.

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### Evidence of Progress for 2001-2002:

Our retention statistics for freshman and sophomore year students increased slightly to 73% in 2000-01 but decreased slightly to 70% for 2001-02. The School's overall retention rate remained constant at approximately 75% rate. We anticipate a modest increase this year. Our open door policy in the school as indicated by goal (p) continues to help the retention rate in a positive way.

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### Activities planned for 2002-2003:

Plan to focus on the students at the freshman level both in the engineering and technology programs relative to advising, mentoring, honors projects, etc.

☑ Recruit more adult and working students.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a  
**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

We are in the process of finalizing efforts to secure access to our industry and business partner sites in a strategic effort to recruit working adults and expose them to the educational opportunities that our school offers.

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**Evidence of Progress for 2001-2002:**

We do not have any data yet to report our progress.

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**Activities planned for 2002-2003:**

We have explored and visited a number of industry sites to promote our degree programs.

- ☒ Recruit more qualified full-time students.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

A new strategic student recruitment plan was prepared, the number of program brochures was increased, and we are in the process of bringing in a new unified graphic identity design to our paper and electronic recruitment materials.

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**Evidence of Progress for 2001-2002:**

Our headcount increased each year during the past five years by 3.43%, 7.91%, 5.44%, and 8.83% respectively as compared to each previous year.

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**Activities planned for 2002-2003:**

Participation in campus recruitment efforts and expansion of the activities at the school level. We will make more scholarships available to qualified applicants.

- ☒ b. Maintain and increase the quality of our current programs as measured by accrediting agencies and in comparison with peer institutions to meet the needs of industry. Increase the number of student credit hours and the number and quality of students in the school. Strive in all programs to reach or maintain the 'critical mass' of students necessary to sustain high quality, comprehensive educational programs.

- ☒ Maintain the Accreditation Board for Engineering and Technology, Inc. (ABET) accreditation status for eligible engineering and technology programs, as appropriate.



**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** ABET visits are conducted in 2,4, or 6 year cycles

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**Actions taken for 2001-2002:**

All of the technology programs for which accreditation is available through ABET were reviewed by an ABET team for reevaluation in fall 2000. Our Computer Engineering-BS program completed its initial accreditation visit in October 2002 under the new ABET EC 2000 criteria.

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**Evidence of Progress for 2001-2002:**

All of the reviewed technology programs have been accredited by ABET for a full term of six years. The result of computer engineering review is pending.

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**Activities planned for 2002-2003:**

Continue curricular improvements to meet the changing demands of ABET accreditation.

☐ c. Develop, as appropriate, new degree programs in information technology, as well as offering new service courses that will contribute to the general education of students from other schools.

☐ We plan to assist the state in meeting the demands for graduates with information technology expertise and background.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

The second online certificate program, E-Commerce Development Certificate program, is now in place. Using the advice of the Information Technology (IT) Subcommittee of Dean's Industrial Advisory Council (DIAC), we grouped all of the information technology related degree programs and courses together so that the student recruitment and promotion of our IT programs are done in a coordinated manner.

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**Evidence of Progress for 2001-2002:**

Plan to evaluate the headcount, student credit hours, and number of courses offered online as indicators of the success for this initiative. Starting this year, a database will be created for this purpose so that comparisons can be made with future years.

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**Activities planned for 2002-2003:**

Plan to ask the Director of our Computer Network Center (CNC) provide the needed focus leadership for all of information technology related programs and activities. Academic program brochures, web site, and other related information will reflect this focus.

- ▣ d. Continue active involvement in developing articulation agreements with the Community College of Indiana (Vincennes University and Ivy Tech State College), Butler University, and twinning agreements with international institutions in China, Malaysia, Thailand, and Turkey. We will expand our partnership with these institutions and add new ones as appropriate.

- ☑ Increase the number of international students in the school.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

School annually sends one or two staff members to participate in the US Educational Fairs which specifically target the Southeast Asia region. Agreements have been signed with the HELP Institute in Malaysia and Dogus University in Turkey for two plus two programs. Similar proposals are pending with Xian Top Rank International College in China and Damak Organization in United Arab Emirates.

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**Evidence of Progress for 2001-2002:**

Our international student headcount has increased over the years, from 90 in 1999 and then increasing to 109 in 2000, to 160 in 2001, and to 182 in 2002. This is approximately 7.15% of our total fall 2002 headcount. We strive to reach the 10% level.

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**Activities planned for 2002-2003:**

Continue active recruitment of international students, expanding our past focus in Southeast Asia to China, Turkey, and the Middle East.

- ☑ Maintain the flow of new incoming students to Engineering Dual Degree Program (EDDP) with Butler University.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

We now offer more engineering courses on site at Butler University. All EDDP students were placed in their mandatory internships during the summer of 2002 and two students completed their internships at the Mediterranean University in France.

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#### **Evidence of Progress for 2001-2002:**

A new group of 32 new freshman engineering students started the EDDP program in fall 2002 but the number of scholarships offered was decreased by the Butler University.

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#### **Activities planned for 2002-2003:**

We want to have more involvement of our business and industry partners with the EDDP program so that we can place all of the students in internships during the summer of 2003.

☐ e. Offer credit and non-credit classes through distance learning such as web-based courses, satellite, on-site instruction, video, etc. We will expand our non-degree programs for local and international industries.

☒ Increase the number of web-based courses offered in the school.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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#### **Actions taken for 2001-2002:**

The CPTOnline unit within the Department of Computer Technology increased the number of online courses offered for its two certificate programs. The Departments of Organizational Leadership and Supervision and Electrical and Computer Engineering Technology as well as the Technical Communication Program in the school continue their online course offerings.

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#### **Evidence of Progress for 2001-2002:**

The portion of the student credit hours generated by online courses increased from 10% of the total credit hours to 14% in fall 2002 for the Department of Computer Technology.

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#### **Activities planned for 2002-2003:**

The Department of Computer Technology plans to make all of its courses in the Associate of Science (AS) degree program online by spring 2004 with the exception of general education courses such as mathematics, humanities, and social science courses. We continue encouraging all departments and programs to add more online courses to their offerings where appropriate.

☐ f. Increase the national visibility of the school through increased participation by faculty in traditional venues: publication, conference presentations and professional societies.

☒ Encourage faculty to submit more research proposals.

**Campus Planning Theme:** Research, Scholarship and Creative Activity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Newly hired faculty are encouraged to attend grant writing workshops offered by OPD and the School. Our Associate Dean for Industry Relations helped faculty members establish contacts with our industry partners so that research projects could be funded. To publicize the research, scholarship, and creative activities of faculty members, a new School newsletter, Ingeniator, was developed, published and distributed. Each issue contains 5-8 research briefs by different faculty members. Fall 2001 and spring 2002 issues have been published and the fall 2002 issue will be printed and distributed before the year end.

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**Evidence of Progress for 2001-2002:**

The number of submitted proposals reached a peak of 103 during 1999-00 and decreased during the past two years to 89 first and then to 60 last year. Rationale for the decrease is based on the School's dependency on industry based research which is usually about 40% of the total research activity in the School. As the economy slowed down, the number of proposals that the School faculty submitted to industry decreased from 40 to 23 in 2000-01 and to 16 last year.

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**Activities planned for 2002-2003:**

Due to budgetary constraints, the position of associate dean for research is currently unfilled and the dean of the School attempts to fill the gap on a part-time and acting basis. We plan to ask one of the current senior faculty members with good research credentials to fill the position, starting July 2003.

- ☒ We request that Ph.D. programs in engineering and masters program in technology be initiated at IUPUI.

**Campus Planning Theme:** Research, Scholarship and Creative Activity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Start in fall 2003 and in fall 2004 respectively.

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**Actions taken for 2001-2002:**

As part of the Purdue University Strategic Planning exercise for the two Purdue University schools at IUPUI, a request was made for approval of Ph.D. program in Electrical and Computer Engineering, and Mechanical Engineering in fall 2001. With the appointment of a new Dean of Engineering Schools at Purdue University, W. Lafayette in January 2002, a joint committee was formed at the suggestion of the new dean to study the matter and make a recommendation in 2003.

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**Evidence of Progress for 2001-2002:**

The first indication of progress will be the admission of Ph.D. engineering students and masters technology students to IUPUI.

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**Activities planned for 2002-2003:**

The joint committee met on November 25, 2002 to study the feasibility of Ph.D. programs in engineering at IUPUI. The Department of Computer Technology plans to offer its first graduate course in fall 2003 and this program will be the first to evolve into a MS degree program after appropriate approvals from Purdue University.

- ☐ g. Offer opportunities to faculty and staff to maintain and improve the quality and currency of their skills and knowledge.

- ☒ Make faculty and staff aware of all development opportunities in the school as well as within IUPUI, IU, and Purdue University systems.

**Campus Planning Theme:** Research, Scholarship and Creative Activity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Faculty development funds have been increased so that faculty members can attend more conferences and workshops.

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**Evidence of Progress for 2001-2002:**

Although the number of proposals for external fundin request went down from 89 in 2000-01 to 60 in 2001-02, the number of internal proposals within the School, IUPUI, IU, and Purdue systems increased. The sources of these funds come from the School, IUPUI, IU, and Purdue University. During 1999-00, 46 proposals were funded for a total of \$431,295. During 2000-01, only 31 proposals were funded totaling to \$437,175. Last year (2001-02), the number of funded proposals went up to 51 but the funds decreased to \$155,432.

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**Activities planned for 2002-2003:**

We plan to make a wider dissemination of these opportunities to our faculty and staff members.

- ☐ h. Expand income from external funding sources, gifts from individuals and industries, grants and scholarly activities, and contracts.

- ☒ Reach and surpass our goal of \$8M in the IUPUI Comprehensive Campaign effort.

**Campus Planning Theme:** Research, Scholarship and Creative Activity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Detailed campaign plan was prepared, approved by the campaign cabinet and implemented. A total of 6 proposals have been sent to private foundations during the past two years.

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**Evidence of Progress for 2001-2002:**

School received its first ever endowed chair from Guidant Foundation. The \$1.7M donation will establish Thomas Linnemeier Guidant Foundation Chair in Biomedical Engineering. The Comprehensive Campaign has already met the 95% of its \$8M goal with another 17 months to go.

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**Activities planned for 2002-2003:**

Continue cultivation, solicitation and stewardship activities and writing grant proposals to corporations and foundations.

☐ i. Enhance and maintain our instructional and research laboratories with current, high quality equipment, instrumentation, software and technical support.

☒ Secure more industry funded equipment and laboratory setups.

**Campus Planning Theme:** Research, Scholarship and Creative Activity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Equipment proposals were submitted to Alcoa, Cisco, Carrier, EDS, Kimball, H.H. Gregg and Hewlett Packard and they are all pending.

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**Evidence of Progress for 2001-2002:**

We received equipment funding from IBM, Kimball Office Furniture and H.H.Gregg. Other proposals are pending. EDS regretted opportunity.

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**Activities planned for 2002-2003:**

Prepare and submit additional proposals to be submitted to industry partners and other friends.

☐ j. Concentrate resources for targeted areas of research growth in biomedical engineering, advanced vehicle technology, computer-aided engineering and technology, information and telecommunication technology and assessment.

☒ Major growth opportunity in biomedical engineering by leveraging the connections to Schools of Medicine, Science, and Dentistry on campus.

**Campus Planning Theme:** Civic Engagement

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

We are aligning our activities in this area with the health science initiatives of the State. We have restructured the subcommittees of DIAC to coincide and have recruited more DIAC member companies and organizations from the



subcommittees of DIAC to consider and have recruited more DIAC member companies and organizations from the health science areas.

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**Evidence of Progress for 2001-2002:**

Search and screen committees have been formed and advertisements have been placed for the two biomedical engineering positions. Three new members have been added to DIAC from the health science industry.

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**Activities planned for 2002-2003:**

A search is currently underway for a new biomedical engineering faculty member and also for a prominent researcher to fill the Thomas Linnemeier Guidant Foundation Chair in Biomedical Engineering position.

▣ **k. Maintain and expand formal and informal associations with local industries, with local and state governments, with other schools at IUPUI and in the Indiana University and Purdue University systems, and with universities in the United States and other countries.**

☑ **Strengthen the partnership with local business and industry.**

**Campus Planning Theme:** Civic Engagement

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

The Department of Organizational Leadership and Supervision formed its industry advisory committee, completing the establishment of all department and School based advisory groups.

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**Evidence of Progress for 2001-2002:**

The third annual joint meeting of all industry advisory groups and the alumni board of directors took place on September 10, 2002. The half-day retreat provided communication and coordination among the groups as well as opportunity for networking. We plan to continue this annual meeting as a forum for networking and information sharing.

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**Activities planned for 2002-2003:**

Coordination and communication among the advisory groups now becomes an important task for well functioning engagement activities. The associate dean for industry relations will be responsible for this coordination by attending all of the meetings and coordination of the common themes to DIAC.

▣ **l. Invite and encourage feedback from our constituencies and work to meet their needs. We will change our teaching programs and research initiatives, as appropriate and possible, in response to stated and anticipated needs of our constituents.**

☑ **Make our academic degree programs and research activities relevant to the needs of Indianapolis and central Indiana.**

**Campus Planning Theme:** Civic Engagement

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Based on the strong feedback from our interior design and construction practitioners in and around Indianapolis, we created a new bachelor's degree program in interior design technology. The proposal will be sent to Purdue University in November 2002 for approval to start the program in fall of 2003. Similarly, in response to State's health science initiative, we designed a bachelor's degree program in biomedical engineering that is pending approval at Purdue University.

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**Evidence of Progress for 2001-2002:**


Our business and industry partners supported these two new initiatives by providing letters and strong evidence indicating how and why the programs would benefit central Indiana.

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**Activities planned for 2002-2003:**

The School needs funding to implement the two new degree programs and requests were made for State funding and internal reallocation funds within the Indiana University system.

 **m. Work collaboratively with colleagues from other schools to promote the interdisciplinary exchange of ideas to share available resources of laboratories and personnel.**

 **Continue fostering interdisciplinary collaboration on campus.**

**Campus Planning Theme:** Civic Engagement

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

The biomedical engineering program functions in a collaborative environment with participation from the Schools of Dentistry, Medicine, and Science. Faculty positions are shared through joint appointments with these schools as well as the School of Informatics.

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**Evidence of Progress for 2001-2002:**

The collaboration in biomedical engineering continues to be a successful model for interdisciplinary research. In interior design program, we already have a close working relationship with the Herron faculty members.

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**Activities planned for 2002-2003:**



We plan to increase collaboration with the Herron School of Art through the interior design degree program.

☐ n. Make the resources of our faculty, students, and academic programs available to the community through consultation, service learning and convenient scheduling.

☒ Publicize the availability of our faculty expertise in advanced technology and research areas. Promote success of patent and invention disclosures involving faculty.

**Campus Planning Theme:** Civic Engagement

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Our Associate Dean for Industry Relations routinely follows the leads from such meetings and contacts.

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**Evidence of Progress for 2001-2002:**

Several industry sponsored research projects have been completed by our faculty. Faculty expertise on-line database is available to industry partners. A number of industry-sponsored capstone or senior design projects have provided meaningful real-world experiences for undergraduate and graduate students.

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**Activities planned for 2002-2003:**

Continue faculty visits to Indianapolis and central Indiana businesses for presentations. Educate Office of Communication and Marketing, DIAC and advisory boards about core competencies and opportunities for collaboration, education and partnership.

☐ o. Actively recruit faculty, staff, and students from groups traditionally under-represented in engineering and technology disciplines and from abroad.

☒ Increase the number of minority students and faculty in all academic programs.

**Campus Planning Theme:** Campus Climate for Diversity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Minority Engineering Advancement Program (MEAP) Director and his staff are in the preparation stages of next year's summer program. A diversity advocate sits on every search and screen committee formed in the School who have been trained by IUPUI Human Resources. Their role is to assist search process so that the process does not discriminate candidates from under-represented groups.

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**Evidence of Progress for 2001-2002:**

MEAP has been a successful program during the past 26 years as a majority of the funding comes from business and industry. A substantial number of MEAP graduates elected to study engineering, science or technology. School has not been successful in attracting minority faculty members during the past two years. A visiting lecturer of mechanical engineering who is from a minority group has been promoted to a senior lecturer position with a permanent appointment in the Freshman Engineering program.

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**Activities planned for 2002-2003:**

MEAP will continue serving the Indianapolis area minority students from grades 6th through 11th during the summer months. The program usually attracts 100-120 youngsters every summer. A new program, PETE, may complement MEAP as a new initiative.

- ☒ Increase the percentage of women students and women faculty in our programs.

**Campus Planning Theme:** Campus Climate for Diversity

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

We have a mentorship program funded by the university and the School for women students.

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**Evidence of Progress for 2001-2002:**

The school ranks third in the nation in the category of graduating women students in engineering technology programs. The school has been able to attract four women faculty members during the past three years.

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**Activities planned for 2002-2003:**

Scholarship funds specifically for women students are being raised on an ongoing basis by industry and individual donors. An endowed fund, the Engineering and Technology Women's Fund is also under development, specifically to benefit women's programs.

- ☒ p. Ensure that students continue to have ready access to full-time faculty and academic staff for academic assistance and professional advice.

- ☒ We want to continue our school's traditional open-door policy for our students.

**Campus Planning Theme:** Best Practices

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

At the beginning of each semester, department chairs announce the requirement to our faculty:




**Evidence of Progress for 2001-2002:**


Undergraduate student satisfaction surveys indicate that our students' satisfaction on academic advising increased substantially from 38% in 1999-00 to 63% in 2000-01. In addition, informal student feedback has been positive.

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**Activities planned for 2002-2003:**

Each faculty office has posted times for students indicating their availability for individual student meetings and mentoring.

 **q. Continue to develop strategies for continuous assessment in line with ABET 2000 and IUPUI campus assessment plans.**

 **Involve more faculty in the assessment process.**

**Campus Planning Theme:** Best Practices

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing

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**Actions taken for 2001-2002:**

School wide assessment activity is on track.

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**Evidence of Progress for 2001-2002:**


Each department and program has already identified and implemented reasonably good assessment procedures to aid with IUPUI and ABET reviews.

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**Activities planned for 2002-2003:**

Provide additional funds and incentives for faculty to participate in the assessment process.

 **r. Regularly assess and refine our programs and administrative processes.**

 **Replace paper based forms and processes with web-based forms in academic, student affairs and administrative areas.**

**Campus Planning Theme:** Best Practices

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Most of the forms used for student advising, graduation audits, plans of study, etc, are now in electronic form. Faculty annual reports have been on the web as our school developed the first working web-based model of the reports for data

entry and maintenance.

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**Evidence of Progress for 2001-2002:**

Students' submission of forms via web, providing schedule flexibility and convenience.

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**Activities planned for 2002-2003:**

Create web-based procedures to implement the assessment process and accreditation related activities.

☐ s. Establish and maintain a fair and effective review process for program, department and school administrators.

☒ Review all the school administrators on a five-year cycle.

**Campus Planning Theme:** Best Practices

**Secondary Goals:**

**Sub Unit:** n/a

**Time Frame:** Ongoing.

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**Actions taken for 2001-2002:**

Seven administrators (Associate Dean for Research, Assistant Dean for Administration and Finance, two department chairs, the Director of Development and External Relations, the Director of Computer Network Center, and Associate Dean for Academic Programs) have been reviewed during the past three years. Process included survey and/or interview of key constituents as appropriate.

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**Evidence of Progress for 2001-2002:**

Feedback from the previous reviews have been used to streamline and improve some of the administrative procedures.

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**Activities planned for 2002-2003:**

The chairs of the Departments of Construction Technology, Electrical and Computer Engineering Technology, and Organizational Leadership and Supervision will be reviewed during the 2002-03 academic year.

## **Fiscal Health**

Since the establishment of Responsibility Center Management (RCM) on the IUPUI campus, the School of Engineering and Technology has taken a conservative approach to budget planning and implementation. This conservative approach has served the School well over the last eleven years. Although it has had its ups and downs, the School has remained fiscally and financially healthy throughout RCM.

While the School awards the largest number of degrees on campus, due to the volatility of the out-of-state student fee income, the School avoids budgeting out-of-state student fees. Funds not budgeted in this category are used annually to supplement a number of School initiatives and activities such as supplementing the part-time faculty salary budget, summer budget, and hiring



number of school initiatives and activities such as supplementing the part-time faculty salary budget, summer budget, and hiring of full time visiting faculty in departments where enrollments have grown significantly. To explain further, our current budget for part-time faculty salaries is only \$442,769 although our annual expenditure is \$749,615, a difference of -\$306,846. The same is true for our summer salaries where our budget is \$126,516 and annually our expense is approximately \$271,877, again resulting in a difference of -\$145,361. We supplement both budgets with out-of-state student fee income.

The School also uses its cash funds to fund the projects such as graduate student support, scholarships, assessment projects, new faculty incentive packages, faculty awards and grants, staff development, indirect cost recovery fund incentives, salary savings incentive from grants or contracts, student projects such as electric racecar, battlebot, moonbuggy, and basic utility vehicle, tutors, instructional laboratory equipment, renovation of building, offices and laboratories, part-time staff, visiting faculty, supplement part-time faculty budget, supplement summer budget, life cycle funding, and comprehensive campaign related expenses.

Like many other schools and units at IUPUI, the School of Engineering and Technology has many needs and not enough financial resources. The School spent a total of approximately \$500,000 renovating instructional laboratories, faculty offices, and departmental offices in the ET Building over the last two years. We are currently remodeling two large student lounge spaces with private funds from an endowment and corporate contributions and donations. This project, to be completed in February 2002, is being designed with totally "green" products and by our team of interior design program students lead by Professor Liz Coles.

The School's primary concern for the future is how to acquire base funding to hire full-time faculty to teach in the School's growing programs that are not currently on the campus priority list. New faculty positions cannot be funded strictly with student fee income. While the School has continued to grow consistently over the past 12 semesters, it has not received any campus funding for enrollment growth. Student fee income only supports 40% to 60% of a full-time faculty's base salary given the number of credit hours the faculty member will generate in a year. We recommend that some sort of base sharing plan from the campus reallocation funds be established so that schools/programs experiencing growth or those that have disproportionate number of part-time faculty will have a method of funding full-time faculty positions for existing programs to maintain and improve the quality of the educational experience for the students enrolled in those programs. The current method does not appear to reward units producing at high levels of increasing growth.

Commercial office furnishings were also secured by a corporate donor during the past year to substantially upgrade the conference room in the dean's office with the one intent being to have a private top notch area to host potential donors and corporate partners.

## **Reallocation Plan**

The School received campus relocation funds allocated in 2000-01. Brian King was hired in August 2001 and Michael Knieser was hired in June 2002 to fill the two computer engineering positions. King's background in information security is quite impressive and Knieser joined the School from Rockwell Automation. Gabriel Chu was hired to fill the biomedical engineering faculty position and he will start in January 2003. The searches are underway for two additional computer engineering and one biomedical engineering faculty positions.

The School was given four Trustees Lecturer positions and the searches are underway to fill these positions, two in computer technology, one in computer graphics technology, and one in interior design technology.

The School was also allocated a senior lecturer position to retain an African-American visiting faculty member. The campus covered Peter Orono's full salary for the 2002-03 academic year. The School will contribute one third and two thirds of his salary for 2003-04 and 2004-05 academic years respectively after which the School will be responsible for the position. Orono currently serves as a senior lecturer of freshman engineering and mechanical engineering and had provided some outstanding leadership as an advisor to the FIRST robotics competition.

**Other Question(s)**