Mission

Our vision is to be a leading urban research university in engineering and technology.

Our mission is to provide to our constituents:

- High quality, well-rounded, and relevant educational experiences that promote critical thinking, scholarly work, and effective communication in an urban environment
- An environment that encourages and promotes excellence in technical proficiency, leadership, scholarship, basic and applied research, creative pursuits, and lifelong learning and that provides opportunities to develop the necessary skills
- An environment that fosters respect for cultural, ethnic, racial, age, and gender diversity
- Educational programs that are regularly reviewed and assessed for continuous improvement
- Outreach and accessibility to the educational, research, and service needs of the broader community through collaboration with other educational institutions, local school systems, businesses and government agencies, and cultural organizations
- Activities that support the intellectual and economic development of business, industry, government, and community stakeholders.

Our Core Values that define, inform, and guide our decisions and actions are:

- **Lifelong Academic Excellence**: Providing academic excellence is our first priority! We strive to foster, recognize and reward lifelong excellence in learning, teaching, and scholarship.
- **Collaboration & Partnering**: We value teamwork, collaboration, and partnership building within and across disciplines and with the community.
- **Diversity**: We value and encourage intergenerational, multiethnic, and international diversity in our research foci, curricula, and pedagogy and in our faculty, staff, and student composition. We encourage diversity of ideas.
- **Professionalism & Integrity**: We strive to foster, recognize, and reward high standards of professionalism and integrity. We value industrial experience in our faculty and students. We expect faculty to be academic and professional role models. We support best practices in teaching and learning. We expect ethical decision making and behavior by all people and in all practices associated with the School.
- **Respect/Collegiality/Civility**: We respect and value the unique abilities, perspectives, and contribution of every person in the Schools community. We respect each other as individuals. We respect every persons right and responsibility to carry his/her share of the load.
- **Responsiveness & Service**: We are committed to service and volunteerism both within and outside our School and to meeting the needs of our constituents. We encourage feedback from our constituencies and work to adjust our efforts to meet their needs. We are committed to changing our teaching programs and research initiatives to respond to our constituents stated and anticipated needs.
- **Leadership & Continuous Improvement**: We strive to foster, recognize, and reward high levels of leadership at every level in the School. We are committed to being a leader in the disciplines of engineering and technology. We seek to assess and regularly refine our programs and administrative processes.
- **IUPUI Identity**: We value the unique opportunities associated with being part of one of the nations best urban universities, and we appreciate the value of the Purdue name in our degrees. With a wide range of degree programs (174 associate through doctoral) and 18 schools, IUPUI is Indiana's most comprehensive academic institution and is one of the leading research institutions in the State.

Goals and Objectives

A1. Attract and support a better prepared and a more diverse student population.
A1.a. Reevaluate and redesign the process to interact with high school students.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** null

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

1. We hosted 9 high schools and 339 students during 2004-05.
2. Hosted the first annual Project Lead the Way Conference in collaboration with the Indiana Department of Education in April 2005 with 200+ high school students in attendance.
3. Program to allow high school students to enroll in online CIT courses beginning in the fall 2005 was developed in conjunction with the Indiana department of Higher education and the IUPUI SPAN Office.

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**Evidence of Progress for 2004-2005:**

There is growing interest from area high schools for campus visits.

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**Activities planned for 2005-2006:**

1. Change the structure of Friday Lab activities to make them theme oriented. Two of the themes selected for 2005-06 are "motorsports" are "women in engineering and technology."
2. Develop more hands-on activities to take to high schools.

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☑ A1.b. Increase the number and amount of merit-based scholarships.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

The current level of student scholarship funds in the school is $90,000 annually. There are now three four-year scholarships by Carrier Corporation to women students who study undergraduate mechanical engineering. Cummins Corporation created two graduate engineering scholarships for minority students to start in 2005-06. In addition, students have access to many one-time merit-based awards sponsored by local businesses and industries.

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**Evidence of Progress for 2004-2005:**

Engineering and Technology students received 2 Bepko, 2 Val/Sal, 2 Outstanding Freshman, 14 Academic Excellence, 23 Dean of Faculties, and 8 First Generation scholarships for 2004-05 academic year. Carrier Corporation increased the number of scholarships from two to three. Cummins minority graduate engineering scholarships will be available for 2005-06.

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**Activities planned for 2005-2006:**
A1.c. Expand the articulation agreements with other institutions to increase the number of better-prepared students.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

Director of Undergraduate External Links in the school serves as coordinator between the school and Indianapolis Manual High School, Indianapolis Arlington High School, Center Grove High School, New castle Area Vocational School, Newcastle Area Career Center, Beech Grove Schools, and Central-9 Creer Center.

Articulation agreements were developed and signed with Avon High School (CIT courses), Franklin Central High School (CIT), Lawrence High School (CNT), Shamak High School (CIT), and Warren Central High School (CIMT).

School worked with Washington Township Schools to enhance kindergart through 9th grade mathematics skills using engineering and technology principles.

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**Evidence of Progress for 2004-2005:**

Our undergraduate student count, new to IU, decreased from 334 last year to 286 this year. The number of transfer students jumped from 165 to 220.

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**Activities planned for 2005-2006:**

1. Continue articulation agreements with secondary and post-secondary schools.

2. Link Project Lead the Way and IPS to recruit more students from IPS.

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A1.d. Maintain and increase the quality of current programs, as measured by accrediting agencies and in comparison with peer institutions, to meet the needs of industry.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

All applicable programs are currently accredited by ABET. In October 2004, computer, electrical, and mechanical engineering programs were visited for reaccreditation. Electrical and computer engineering programs each received three years of accreditation at the end of which a report is to be submitted for additional three years of accreditation. Mechanical engineering program received full six years of accreditation.
Evidence of Progress for 2004-2005:

ABET accreditation is a must for engineering and technology programs in USA.

Activities planned for 2005-2006:

As ABET gets prepared to accredit degrees and programs in information technology (IT), we plan to prepare our IT programs for ABET accreditation visit in 2007. The remaining technology programs with the exception of Organizational Leadership and Supervision will be visited in fall 2006 for reaccreditation purposes.

☑ A1.e. Develop more effective promotional plans, including success stories and placement information.

Campus Planning Theme: Teaching and Learning

Secondary Goals:

Sub Unit: None

Time Frame: Ongoing

Actions taken for 2004-2005:

School is in the process of revising the program brochures. The new brochures will be only one page with attractive and attention grabbing front page design and detailed program description on the back page. A new school website has been launched last summer. All program/department websites have been modified to have an identical look with the school and IUPUI websites.

Evidence of Progress for 2004-2005:

Feedback on the effectiveness of the new websites and new format of brochures have been positive from new students and high school advisors.

Activities planned for 2005-2006:

1. Complete the website updates for all programs and offices in the school.
2. Increase utilization of website and email newsletter to highlight stories.
3. Determine a strategy for collecting placement information.

☑ A1.f. Increase the number of high school graduates in the top percentile of their graduation class by 2006.

Campus Planning Theme: Teaching and Learning

Secondary Goals:

Sub Unit: None

Time Frame: Ongoing

Actions taken for 2004-2005:

Special letters are sent to these students inviting them to campus tour, laboratory visit, and meeting with some faculty in their areas of interest. Full scholarship opportunities are offered to these students.

Evidence of Progress for 2004-2005:
The fall 2004 freshman engineering intake is one of the best prepared groups of students admitted. Average SAT score of admitted engineering students was 1162 (highest on campus) and average SAT score of enrolled engineering students was 1158 (again highest on campus). We expect similar results for fall 2005 admissions.

Activities planned for 2005-2006:

1. Work with admissions office to determine the best way to identify the top students at central Indiana high schools.
2. Prepare targeted mailings to the students and high school guidance counselors.
3. Invite students that are interested in engineering and technology to a scholarship day.
4. Develop a scholarship package for the top 1% of students.

☐ A1.g. Increase the number of classes offered via distance education.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

In addition the three existing certificate programs in the school that are entirely online, the Department of Computer and Information Technology (CIT) now offers all of its courses in AS degree on line.

Evidence of Progress for 2004-2005:

Percentage of student credit hours generated by online CIT courses increased from 10% in 2001 to 14% in 2003.

Activities planned for 2005-2006:

Increase the student credit hours generated via online courses from the current 16% to 25% in the Department of Computer and Information Technology.

☐ A1.h. Offer entire quality certificate or degree program via distance education.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

Three certificate programs (Information Technology, E-Commerce Applications, and Biomedical Electronics Laboratory Certification) and AS program in Computer and Information Technology are entirely online at this time.

Evidence of Progress for 2004-2005:

The percentage of student credit hours from online courses again increased to approximately 16% of the total student credit hours.
Activities planned for 2005-2006:

We plan to offer the entire Computer and Information Technology-BS online. We also plan to increase the percentage of student credit hours generated via online courses to 25% of the total student credit hours.

- **A1.i. Increase the amount of scholarships for underrepresented students (e.g. females, minorities)**
  - **Campus Planning Theme:** Teaching and Learning
  - **Secondary Goals:**
  - **Sub Unit:** None
  - **Time Frame:** Ongoing

Actions taken for 2004-2005:

Two full four-year scholarships, sponsored by Carrier Corporation, have been targeted for women mechanical engineering students. Ford Motor Company Minority Scholarships are given annually to successful African American students. School also supports two minority students with research scholarships and this fall awarded one student McNair scholarship.

Evidence of Progress for 2004-2005:

The percentage of minority and women students in the school has been steady during the past few years.

Activities planned for 2005-2006:

We plan to increase the number of scholarships targeted for underrepresented groups. The planned activities are:
1. Identify the target markets - females, African American, and Hispanic.
2. Develop scholarship policy and procedures for awarding scholarships to this population.
3. Identify potential donors.
4. Market scholarship opportunities to guidance counselors.
5. Utilize PSAT lists to market scholarships.

- **A1.j. Increase the amount and frequency of faculty visits to high schools.**
  - **Campus Planning Theme:** Teaching and Learning
  - **Secondary Goals:**
  - **Sub Unit:** None
  - **Time Frame:** Ongoing

Actions taken for 2004-2005:

The Assistant Dean for Student Services has established extensive set of contacts with high school counselors and mathematics, science, and technology teachers. Through these contacts, faculty members are invited to visit high schools and make presentations to group of students.

Evidence of Progress for 2004-2005:

All of the faculty visits resulted in computer programming course articulations with the high schools last year and
extensive contacts have been established through the Project Lead the Way.

Activities planned for 2005-2006:

1. We plan to increase the number of faculty visits.
2. Identify the schools in Central Indiana that have Project Lead the Way courses and also specialty programs (i.e., emphasis on interior design).
3. Communicate with the appropriate person at the high schools and share that information with respective E & T departments.
4. Determine faculty members that are interested in going to high schools.
5. Develop hands-on activities that can be taken to high schools.

☑ A1.1. Increase the marketing efforts for degree programs.

**Campus Planning Theme:** Teaching and Learning  
**Secondary Goals:**  
**Sub Unit:** None  
**Time Frame:** Ongoing

Actions taken for 2004-2005:

1. Mail/deliver information to business and industry in Indiana.
2. Update the website - new look and current information.
3. Produce brochures for new degree programs.

Evidence of Progress for 2004-2005:

We are still in the process of evaluating the effectiveness of these efforts.

Activities planned for 2005-2006:

We will continue with marketing of new degree programs such as Biomedical Engineering-BS, Interior Design-BS, and Technology-MS.

☑ A1.1. Offer industry-specific courses.

**Campus Planning Theme:** Teaching and Learning  
**Secondary Goals:**  
**Sub Unit:** None  
**Time Frame:** Ongoing

Actions taken for 2004-2005:

In the past, special courses have been designed for our industry partners such as EDS, Raytheon, diversified, Roche, and others.

Evidence of Progress for 2004-2005:

Companies come back for additional special courses.
Activities planned for 2005-2006:

We will continue working with our business and industry partners to meet their workforce training needs.

A2. Support and enhance effective teaching.

A2.a. Implement teaching and administrative loads based on the expectations for teaching, research, and service.

**Campus Planning Theme:** Teaching and Learning  
**Secondary Goals:**  
**Sub Unit:** None  
**Time Frame:** Ongoing

Actions taken for 2004-2005:

At the request of Faculty Senate, faculty teaching loads in the school had been reviewed again during the past year and the Faculty Senate recommended that the loads be reduced for research intensive faculty, whenever possible. New guidelines were approved for tenured, tenure-track faculty, and lecturers.

Evidence of Progress for 2004-2005:

We anticipate that faculty members whose teaching loads are reduced will spend more time for research and scholarship efforts.

Activities planned for 2005-2006:

We want to reduce the teaching loads to the recommended levels.

A2.b. Increase the amount of technology incorporated into the teaching and learning process.

**Campus Planning Theme:** Teaching and Learning  
**Secondary Goals:**  
**Sub Unit:** None  
**Time Frame:** Ongoing

Actions taken for 2004-2005:

School came to an agreement with UITS in fall 2004 semester to permanently locate portable classroom technology in ET building. Additional general inventory classrooms in ET and SL buildings equipped by UITS with permanent technology including VGA projectors, computers, DVD players and VCRs.

Evidence of Progress for 2004-2005:

Student satisfaction on the item "use of technology in the classroom" stayed at 41% from 2003.

Activities planned for 2005-2006:
Most efforts focus around promoting existing programs at the campus level such as OnCourse and use of the multimedia equipped classrooms. Most departments are actively exploring these options. CPT is exploring new frontiers of technology in the classroom such as wireless, PDAs and streaming video.

A2.c. Provide additional support for faculty in course preparation (e.g. equipment, training, helpers).

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

Assistance is being offered, but without a formal plan or budget. The Computer Network Center (CNC) Help Desk is probably the most utilized conduit for this type of support. Faculty members responsible for Freshmen Learning Community classes are now meeting on a periodic basis to discuss retention issues and best practices.

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**Evidence of Progress for 2004-2005:**

Department faculty are asking for additional support.

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**Activities planned for 2005-2006:**

There is a modest budget in the school for this purpose.

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A2.d. Increase the participation from each department in faculty development efforts (e.g. Office of Professional Development workshops) that emphasize teaching excellence.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

Faculty are encouraged to use the services available through OPD. Information, application forms, and announcements are widely disseminated. Dean and chair meet with each faculty during their probationary period on a yearly basis to put together and implement development plan.

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**Evidence of Progress for 2004-2005:**

The number of faculty preparing proposals for OPD grants and the number of faculty using OPD services have been on the increase.

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**Activities planned for 2005-2006:**

These efforts will continue.
A2.e. Increase recognition of teaching.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

No action has been taken yet.

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**Evidence of Progress for 2004-2005:**

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**Activities planned for 2005-2006:**

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A2.f. Develop a uniform school-wide orientation, training, and mentoring program for junior faculty, with an emphasis on teaching excellence.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** null

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**Actions taken for 2004-2005:**

First comprehensive school orientation for new faculty took place in fall 2004 for newly hired faculty members.

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**Evidence of Progress for 2004-2005:**

No data available yet.

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**Activities planned for 2005-2006:**

Regular new faculty orientation will be conducted annually.

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A2.g. Provide adjunct faculty members with greater mentoring and support.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

School offers orientation at the beginning of each fall and spring semester to all new and continuing adjunct faculty. Adjunct faculty academic manual was revised for fall 2004 semester to include new campus policies and...
Evidence of Progress for 2004-2005:

The feedback has been very positive from the adjunct faculty.

Activities planned for 2005-2006:

We plan to survey the adjunct faculty to see how we can improve the orientation and increase the mentoring support during the semester.

☐ A2.h. Maintain life-cycle plan for technology (hardware and software).

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

Sub Unit: None

**Time Frame:** Ongoing

Actions taken for 2004-2005:

The process of equipment replacement has been slow due to budget limitations.

Evidence of Progress for 2004-2005:

Student feedback has somewhat improved in this area. More funds are needed.

Activities planned for 2005-2006:

We have begun to look at budget restructuring to deal with various future scenarios since the campus no longer supports the life-cycle plan for faculty and staff computers. We also plan to take the issue of Student Technology Fee usage to the Engineering and Technology Student Council to get feedback from our students.

☐ A3. Enhance undergraduate student learning and success.

☐ A3.a. Enhance undergraduate student learning and success through improved advising practices.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

Sub Unit: None

**Time Frame:** Ongoing

Actions taken for 2004-2005:

We visit the student advising issues frequently to improve the student satisfaction. Each department/program uses student advising system that best fits the faculty and student population.
Evidence of Progress for 2004-2005:

Student satisfaction survey indicates that the percentage of students satisfied with academic advising went from 55 in 1999 to 57 in 2001 and to 56 in 2003.

Activities planned for 2005-2006:

All academic advisors are receiving training in the new Student Information System.

☑ A3 b. Increase the number of students who take responsibility for their advising through the use of technology.
   Campus Planning Theme: Teaching and Learning
   Secondary Goals:
   Sub Unit: None
   Time Frame: Ongoing

Actions taken for 2004-2005:

Plans of study for all degree programs have been coded.

Evidence of Progress for 2004-2005:

Auditing process is now more manageable at the department/program and the school levels.

Activities planned for 2005-2006:

Degree audits for graduate engineering and technology plans of study will be examined and coded if necessary.

☑ A3 c. Ensure that all programs provide relevant and coordinated course offerings.
   Campus Planning Theme: Teaching and Learning
   Secondary Goals:
   Sub Unit: None
   Time Frame: Ongoing

Actions taken for 2004-2005:

Educational Policy Committee of the Faculty Senate keeps the overlap to minimum. Faculty members responsible for Freshmen Learning Community classes are now meeting on a periodic basis to discuss retention issues and best practices. Ongoing discussions between CIT and CSCI and between ECE and CSCI program occurring to coordinate course and program offerings.

Evidence of Progress for 2004-2005:

All of the course remonstrance cases have been resolved through these meetings.
Activities planned for 2005-2006:

We will encourage the departments/programs to make use of other courses offered by other academic units on campus to avoid duplication and efficient use of resources.

☑️ A3.d. Increase undergraduate student involvement in internship and coop experiences.

Campus Planning Theme: Teaching and Learning

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

Credit hour fee requirement has been revised. Promotional materials are updated. Industrial partnership database is updated. Monthly internship information sessions were developed and conducted for students where 142 students and 4 businesses attended.

Evidence of Progress for 2004-2005:

The number of students in the internship program increased to 40 in Fall 2004, to 58 in Spring 2005, and to 109 in summer 2005. Three German exchange students were placed in internship positions, two in Bosch in Michigan and one at INDEX in Noblesville.

Activities planned for 2005-2006:

More emphasis will be placed on creating additional internship and coop position for our students. Some of the action items are:

1. Set up monthly information sessions during the academic year.
2. Contact faculty to make presentations at Learning Community classes.
3. Attend student council meetings on a regular basis.
4. Utilize board in hallway of ET building to post information about internships/co-ops.
5. Utilize department list serves to contact students.
6. Update website.

☑️ A3.e. Create and/or utilize additional space for student learning and relaxation.

Campus Planning Theme: Teaching and Learning

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

The student lounge areas on the second and third floors of ET Building have been renovated using the funds from the endowment the school received for this purpose. Our students in Interior Design program used "green design" concept for renovation. Several of our industry partners donated materials, time, and funds for renovation.

Evidence of Progress for 2004-2005:

More students use the newly renovated ET Building lounges.
More students use the newly renovated LT building lounges.

Activities planned for 2005-2006:

Currently, there is no student lounge area in SL Building. We plan to work with the School of Science to design a lounge area between SL and LD Buildings.

☑ A3.f. Maintain ABET accreditation in applicable programs.

**Campus Planning Theme:** Teaching and Learning  
**Secondary Goals:**  
**Sub Unit:** None  
**Time Frame:** Ongoing

Actions taken for 2004-2005:

Currently, all applicable programs have ABET accreditation. Computer, electrical, and mechanical engineering programs were visited by ABET team during October 16-19, 2004.

Evidence of Progress for 2004-2005:

Computer and electrical engineering programs received 3 years of accreditation and mechanical engineering received full six years of accreditation.

Activities planned for 2005-2006:

Technology programs will be visited by ABET in fall 2006 for reaccreditation.

☑ A3.g. Ensure that tutoring is readily available to students.

**Campus Planning Theme:** Teaching and Learning  
**Secondary Goals:**  
**Sub Unit:** None  
**Time Frame:** Ongoing

Actions taken for 2004-2005:

Each department/program uses part of the allocated budget to hire tutors.

Evidence of Progress for 2004-2005:

Students ask for tutors in several classes that we offer.

Activities planned for 2005-2006:

School will increase the funds for tutoring whenever the budget permits.
A3.h. Increase participation in the Undergraduate Research Opportunity Program.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** null

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**Actions taken for 2004-2005:**

Information about UROP has been widely distributed to our students and faculty. Number of our students have participated in the program.

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**Evidence of Progress for 2004-2005:**

Data from MURI will be available next year.

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**Activities planned for 2005-2006:**

We plan to provide more research opportunities for undergraduate students. The funds received from the Dedicated Tuition Funding Program for Multidisciplinary Undergraduate Research Initiative (MURI) already selected students and faculty groups to use the funds and started their research projects.

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A3.i. Provide improved career planning for students.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

Connection has been established with IUPUI Career Service Office.

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**Evidence of Progress for 2004-2005:**

There is no data for placement.

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**Activities planned for 2005-2006:**

1. Work with IUPUI Career Services to establish engineering and technology specific workshops (employer resume workshop, mock interviews, and employer information sessions).
2. Bring more businesses and alumni to campus to talk to students about career opportunities.

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A3.j. Improve student laboratory experiences.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None
Actions taken for 2004-2005:

Equipment in the laboratories are upgraded on a regular basis to the extent the limited budget permits.

Evidence of Progress for 2004-2005:

Equipment grant was received from National Instruments in the order of $54,000.

Activities planned for 2005-2006:

Faculty members regularly prepare and submit equipment proposals to NSF and industry.

A3.1. Improve student retention and persistence rates.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

Actions taken for 2004-2005:

Improvements in student advising, providing tutors, and recruiting academically better prepared students appear to improve the student retention. Several students were nominated for leadership awards and recognition. For 2004-05, twenty of the Top 100 IUPUI students were from the school. One woman student was in the top 10 females and five of the top 10 men were from the school. In addition, Vincent Liaw was selected as the top male iUPUI student.

Evidence of Progress for 2004-2005:

Retention rate increased from 71% to 74% for freshman/sophomore students and from 84% to 85% for junior/senior students. The overall increase is from 76% to 79%.

Activities planned for 2005-2006:

1. Office of Student Services promotes activities on campus that include prospective employers.
2. Promote student council and other student organizations to students.
3. Develop a plan to offer scholarships to part-time, high achieving, and current students.
4. Worked with IUPUI Housing Office to provide theme housing unit (Purdue House) for engineering and technology students.

A3.1. Continue benchmarking with industry and other universities.

**Campus Planning Theme:** Teaching and Learning

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing
Actions taken for 2004-2005:

School has been using the benchmarking with the six universities which are IUPUIs peers.

Evidence of Progress for 2004-2005:

The comparative statistics from the peer institutions were used in budget presentations to IUPUI campus administration.

Activities planned for 2005-2006:

Benchmarking with industry has not been attempted yet.

- A4. Provide effective professional and graduate program support for graduate students and post-doctoral fellows.

- A4.a. Increase the number of continuing education and short courses for professionals and graduate students.
  
  **Campus Planning Theme:** Teaching and Learning  
  **Secondary Goals:**  
  **Sub Unit:** None  
  **Time Frame:** Ongoing

Actions taken for 2004-2005:

Some of the certificate programs offered in the school are for professional development of our graduates. Examples are Human Resource Certificate Program, Quality Control Certificate Program, etc. More certificate programs will be developed to meet the needs.

Evidence of Progress for 2004-2005:

There is an increased enrollment trend in the certificate programs. The number of certificates awarded increased from 101 to 125.

Activities planned for 2005-2006:

Motorsports undergraduate certificate and systems engineering graduate certificate programs are in the planning stages.

- A4.b. Increase support for graduate degree programs, in terms of both physical space and fiscal allocation.
  
  **Campus Planning Theme:** Teaching and Learning  
  **Secondary Goals:**  
  **Sub Unit:** None  
  **Time Frame:** Ongoing

Actions taken for 2004-2005:
Limited non-base cash funds are allocated for graduate program support. School started to implement a policy of covering the tuition differential between out-of-state and in-state PhD students with RA status.

Evidence of Progress for 2004-2005:
No additional support has been made available by campus administration yet.

Activities planned for 2005-2006:
More funds are needed to offer Ph.D. program in engineering and masterss program in technology.

☐ A4.c. Provide additional support for graduate students and post-doctoral fellows through scholarships, fellowships, etc.
Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:
One TA position each were made available to ECE and ME departments for 2005-06 academic year towards the first year PhD student support. School unveiled plans to cover the tuition differential between the out-of-state and in-state for PhD students.

Evidence of Progress for 2004-2005:
The graduate student headcount increased.

Activities planned for 2005-2006:
The number of Teaching Assistant positions for engineering departments will be increased in the future and tuition differentials will be covered for full-time RA’s in MS program also starting 2005-06.

☐ A4.d. Initiate better publicity for graduate programs.
Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:
New graduate brochures have been developed and printed. The website have been updated. A group of graduate advisors go to Rose Hulman Institute of Technology every year to recruit new graduate students.
Evidence of Progress for 2004-2005:

Three graduate students have been recruited from Rose Hulman Institute of Technology since the school participated in its Graduate Fair two years ago.

Activities planned for 2005-2006:

1. Promote graduate programs to Central Indiana business and industry.
2. Identify regional universities that have undergraduate programs in E & T and participate in their graduate fairs.

B1. Conduct world-class research, scholarship, and creative activity relevant to Indianapolis, the state, and beyond.

B1.a. Develop and/or maintain department-level research plan.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: null

Actions taken for 2004-2005:

All departments submitted short range and long range research plans. Developed preliminary research plan for the school with priority research areas and projected external funding to 2013.

Evidence of Progress for 2004-2005:

No feedback has been received yet.

Activities planned for 2005-2006:

The plan is being refined and it will be an ongoing activity.

B1.b. Develop and/or maintain industry-based research.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

School’s strong relationship with Raytheon, Rolls-Royce, Crane, Roche, Cummins, and others continue with frequent visits to industry sites, laboratory tours, faculty projects, and joint research proposals to State and federal agencies. We also arranged several faculty visits and presentations to these partner companies.

Evidence of Progress for 2004-2005:

Industrial and commercial research income increased $353,041 in 2003-04 to $1,365,766 in 2004-05.
Activities planned for 2005-2006:

We will continue working with the research subcommittee for DIAC and make long range plan to increase the number and amount of industry-based research.

B1.c. Attract and retain world-class faculty capable of research, scholarship, and creative activity.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: ongoing

Actions taken for 2004-2005:

Some of the cash funds in the school have been used to make the start-up offers to new faculty more attractive. Release time from teaching has been extended to two years for new faculty from the time they are hired. Associate Dean for Research meets with most active research faculty members on individual basis, discusses how to provide service and support for their research. School pays more attention to productive research faculty, their concerns. We promote and publicize school faculty and their research.

Evidence of Progress for 2004-2005:

We were able to recruit two computer engineering, two biomedical engineering, one mechanical engineering, and one computer and information technology faculty members for 2005-06 with good research credentials.

Activities planned for 2005-2006:

We plan to reintroduce the concept of "Faculty Practice Center" in the school which was turned down by the university administration few years ago. We believe that such a center, similar to the ones in existence at the schools of Medicine and Dentistry, will provide additional incentive for higher quality faculty to come to IUPUI.

B1.d. Increase externally funded research in health and life sciences.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

We continue to facilitate collaborative research with Schools of Medicine, Science, and Dentistry. School attracted new biomedical engineering faculty with good research credentials. We encourage connecting faculty and school to biotechnology companies and life science communities in central Indiana and beyond. School has been actively searching for senior faculty with outstanding research credentials to fill the Guidant Foundation Endowed Chair in biomedical engineering.

Evidence of Progress for 2004-2005:

...
Current four biomedical engineering faculty members continue receiving research funds from NIH. Two new faculty with strong credentials have been hired.

Activities planned for 2005-2006:

With the additional faculty positions given to biomedical engineering by the campus, there will be more research grants and contracts in health sciences area in the school.

B2. Provide support to increase scholarly activity and external funding.

B2 a. Provide support to attend research-related professional development opportunities.
- **Campus Planning Theme**: Research, Scholarship and Creative Activity
- **Secondary Goals**:
- **Sub Unit**: None
- **Time Frame**: Ongoing

Actions taken for 2004-2005:

Every full-time faculty member in each department is given $1,400 annually for professional development activities. More funds may be available at the school level for faculty members who are active in research-related professional activities. About 40% of the indirect cost recovery from a research and grant contract is returned to principal investigators and their departments.

Evidence of Progress for 2004-2005:

Faculty feedback so far has been positive.

Activities planned for 2005-2006:

Continue with the current practice.

B2 b. Seek industry funds for applied research purposes.
- **Campus Planning Theme**: Research, Scholarship and Creative Activity
- **Secondary Goals**:
- **Sub Unit**: None
- **Time Frame**: Ongoing

Actions taken for 2004-2005:

Associate Dean for Research arranges several meetings with local industry partners every semester with our faculty members. Some of these meetings are held at IUPUI where industry representatives are given tours of the school research laboratories while some of the meetings are held at the industry sites.

Evidence of Progress for 2004-2005:

The number of proposals to industry as well as the share of research income from commercial and industrial sources increased from last year from $353,041 to $1,365,766.
Activities planned for 2005-2006:

The meetings with industry partners will continue with new faculty members joining in so that they establish some initial contacts.

☑ B2.c. Train faculty on better proposal writing, etc.
   **Campus Planning Theme:** Research, Scholarship and Creative Activity
   **Secondary Goals:**
   **Sub Unit:** None
   **Time Frame:** Ongoing

**Actions taken for 2004-2005:**

School encourages faculty to attend OPD sponsored workshops on proposal writing. At the beginning of every academic year part of the orientation workshop for new faculty includes proposal writing.

**Evidence of Progress for 2004-2005:**

Only few faculty members used the assistance provided so far.

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**Activities planned for 2005-2006:**

School plans to conduct its own grant writing workshops and seminars for faculty.

☑ B2.d. Provide seed funding for research initiation and proposal generation.
   **Campus Planning Theme:** Research, Scholarship and Creative Activity
   **Secondary Goals:**
   **Sub Unit:** None
   **Time Frame:** Ongoing

**Actions taken for 2004-2005:**

School awards two research seed funding to faculty up to $5,000 per year. Committee of faculty members selects the awardees from a pool of proposals submitted. New faculty members are given a higher priority.

**Evidence of Progress for 2004-2005:**

Number of faculty developed full proposals using the seed funds.

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**Activities planned for 2005-2006:**

The number of the research seed awards will be increased as school receives additional research and contracts income.
B2.e. Implement teaching and administrative loads based on the expectations for teaching, research, and service.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

Same as Objective A2.a.

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**Evidence of Progress for 2004-2005:**

Same as Objective A2.a.

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**Activities planned for 2005-2006:**

Same as Objective A2.a.

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B3. Enhance infrastructure for scholarly activity.

B3.a. Implement teaching and administrative loads based on the expectations for teaching, research, and service.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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**Actions taken for 2004-2005:**

Same as Objective A2.a.

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**Evidence of Progress for 2004-2005:**

Same as Objective A2.a.

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**Activities planned for 2005-2006:**

Same as Objective A2.a.

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B3.b. Develop and/or maintain linkages between research, scholarship, and creative activity and teaching and learning.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing
Actions taken for 2004-2005:

These linkages have been in place as part of promotion and tenure guidelines for faculty.

Evidence of Progress for 2004-2005:

School’s Unit Promotion and Tenure Board members clarified this linkage further with revised documentation and via the workshop conducted by one of its members.

Activities planned for 2005-2006:

More clarification of these linkages may be necessary for technology faculty as some of them have educational pedagogy as their research and scholarly activity area.

☑ B3.c. Increase participation in Undergraduate Research Opportunity Program.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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Actions taken for 2004-2005:

Same as Objective A3.h.

Evidence of Progress for 2004-2005:

Same as Objective A3.h.

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Activities planned for 2005-2006:

Same as Objective A3.h.

☑ B3.d. Provide greater access to research facilities for faculty and students.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

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Actions taken for 2004-2005:

Faculty and students have full access to all available research facilities. Four departments share some of the teaching laboratories to provide much needed research space.
Evidence of Progress for 2004-2005:

Any additional research productivity and efficiency will depend upon available space.

Activities planned for 2005-2006:

When the basement of ET Building becomes available for occupation after the renovation, school will have additional research space.

B3.e. Improve student laboratory experiences.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

Same as Objective A3.k.

Evidence of Progress for 2004-2005:

Same as Objective A3.k.

Activities planned for 2005-2006:

Same as Objective A3.k.

B3.f. Increase and/or reallocate physical space and equipment for research purposes.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

Extensive planning is underway as a result of availability and renovation of ET basement. There will be significant relocation of several units and departments in the school during the next three years.

Evidence of Progress for 2004-2005:

Planning continues.
Activities planned for 2005-2006:

A new space allocation formula for research is under development.

☑ B3.g. Continue research-related resource sharing between departments, schools, and campuses.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

Actions taken for 2004-2005:

Within the school, Departments of Electrical and Computer Engineering and Electrical and Computer Engineering Technology started sharing instructional laboratories in the ET building so that the laboratory space in SL building could be used for research purposes. This provided additional research space of almost 2,000 sq ft. Similar arrangement between the Departments of Mechanical Engineering and Mechanical Engineering Technology has been successful.

Resource sharing between our school and the School of Medicine continues through newly hired faculty members in the Department of Biomedical Engineering.

Evidence of Progress for 2004-2005:

New research spaces created as a result of departmental collaboration made it possible for us to attract computer engineering and biomedical engineering faculty members.

Activities planned for 2005-2006:

We anticipate more collaboration among the departments as the earlier experiments proved to be successful.

☑ B3.h. Maximize campus/university resources for research purposes.

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

**Secondary Goals:**

**Sub Unit:** None

**Time Frame:** Ongoing

Actions taken for 2004-2005:

School collaborated with the Schools of Medicine and Science in putting together a plan for research in life/health sciences. Later, our school and the School of Science put together a space plan for this purpose.

Evidence of Progress for 2004-2005:

In the past, RIF facilitated laboratory and start up funds for newly hired biomedical engineering faculty.
Activities planned for 2005-2006:

Our school and the School of Science will request cash funds of $1M per year from the campus administration to renovate parts of ET and SL buildings in order to create research space for life/health sciences.

☑ B3 i. Explore opportunities with IURTC and other research incubators.
   
   **Campus Planning Theme:** Research, Scholarship and Creative Activity  
   **Secondary Goals:**  
   **Sub Unit:** None  
   **Time Frame:** Ongoing

Actions taken for 2004-2005:

School facilitates for newly hired faculty members explore potential opportunities with IURTC.

Evidence of Progress for 2004-2005:

IURTC staff members are often invited to hold meetings and discussions for patent application and venture funding possibilities.

Activities planned for 2005-2006:

Our involvement with IURTC will continue and more faculty members will be exposed to what IURTC offers.

☑ B3 j. Develop and/or maintain local and national industry relationships.
   
   **Campus Planning Theme:** Research, Scholarship and Creative Activity  
   **Secondary Goals:**  
   **Sub Unit:** None  
   **Time Frame:** Ongoing

Actions taken for 2004-2005:

School’s relationship with local industry has been excellent. All programs/departments in the school have well functioning industry advisory boards.

Evidence of Progress for 2004-2005:

These boards meet at least once a semester and has had major input to curricular, equipment, and fund raising efforts.

Activities planned for 2005-2006:

Through equipment proposals, school has now access to some national industries such as Cisco, Microsoft, and Hewlett Packard, and others. We will continue to explore connections to national companies.
C1. Enhance capacity for civil engagement.

C1.a. Review promotion and tenure documents to reflect renewed emphasis on civic engagement (e.g. definitions; measurement).

**Campus Planning Theme:** Civic Engagement
**Secondary Goals:**
**Sub Unit:** None
**Time Frame:** Ongoing

**Actions taken for 2004-2005:**

Faculty Affairs Committee of the Faculty Senate is currently in the process of reviewing the promotion and tenure documents. Civic engagement section will be revise extensively.

**Evidence of Progress for 2004-2005:**

We expect the revised version of the promotion and tenure document to be available and enforced by 2005-06 academic year.

**Activities planned for 2005-2006:**

The document is still at the Faculty Senate.

C1.b. Promote school-wide sense of responsibility and awareness of civic engagement.

**Campus Planning Theme:** Civic Engagement
**Secondary Goals:**
**Sub Unit:** None
**Time Frame:** Ongoing

**Actions taken for 2004-2005:**

This happens naturally in the school as many student projects come from industry and businesses.

**Evidence of Progress for 2004-2005:**

There is more student interest in civic engagement related projects.

**Activities planned for 2005-2006:**

Nationally known speakers will be invited during 2005-06 to increase the awareness on the activities of “Engineers without Borders.”

C1.c. Increase, maintain, and/or acknowledge service-learning opportunities for students.

**Campus Planning Theme:** Civic Engagement
**Secondary Goals:**
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

CIT was given "Engaged Department" grant from IUPUI Center for Service Learning to involve more CIT students in service learning.

Evidence of Progress for 2004-2005:

At this time, the activities are limited to Departments of Computer and Information Technology and Construction Technology students. With more involvement and engagement with the IUPUI Solution Center, more opportunities will be available for our students.

Activities planned for 2005-2006:

More events are planned with IUPUI center for Service Learning. One of the planned activities is to establish student chapter for "Engineers Without Borders."

☐ C2. Enhance civic activities, partnerships, and client services.

☐ C2.a. Maintain and increase advisory board involvement for each department.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

All programs and departments have working industry advisory groups.

Evidence of Progress for 2004-2005:

Industry advisory groups have been very influential and effective in assisting the department and programs with curricula, internship and coop positions, teaching, and faculty research.

Activities planned for 2005-2006:

We plan to have a better coordination of the meetings of these boards. Once a year, all advisory groups, including Dean’s Industrial Advisory Council and Alumni Board, hold a joint meeting for a half day. This proved to be a useful activity to help school with strategic planning.

☐ C2.b. Increase and/or maintain interaction with local high schools (e.g. student outreach; teacher training).

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

School has strong interaction with several area high schools. Faculty and staff visit high schools for career days, technology demonstrations, and guest lectures. Students come for "Friday Labs" to IUPUI and are exposed to experiments, computer hardware and software, and career choices.

Evidence of Progress for 2004-2005:

Friday Labs have been very popular among the high school students and the number of high schools involved in PLTW has increased.

Activities planned for 2005-2006:

1. Actively promote Friday Labs.
2. Look for more opportunities to go to high schools to present.
3. Look for high school programs that could use mentors or expertise such as First Robotics.
4. Involve partner high schools in Project Lead The Way program.

☐ C2.c. Increase undergraduate student involvement in internship and coop experiences.

Campus Planning Theme: Civic Engagement

Secondary Goals:

Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

Same as Objective A3.d.

Evidence of Progress for 2004-2005:

Same as Objective A3.d.

Activities planned for 2005-2006:

Same as Objective A3.d.

☐ C2.d. Develop appropriate mechanisms for external requests related to civic engagement to be aligned with School resources and assets.

Campus Planning Theme: Civic Engagement

Secondary Goals:

Sub Unit: None
Time Frame: Ongoing
Actions taken for 2004-2005:

Several meetings took place with the Solution center administrators and newly formed IUPUI Internships Office to coordinate activities.

Evidence of Progress for 2004-2005:

No progress yet.

Activities planned for 2005-2006:

More interaction is planned with the IUPUI Solution Center and the Internship Office.

☑ C2.c. Increase scope of job fair. (increase job fair opportunities to students).

Campus Planning Theme: Civic Engagement

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:

School assists IUPUI career Center in Campus Job fair event. Other job fair opportunities are promoted and announced to students.

Evidence of Progress for 2004-2005:

The feedback from our industry partners is positive as they attended the past job fairs.

Activities planned for 2005-2006:

1. Expand the number of engineering and technology related businesses that attend the intern fair.
2. Promote area job fairs (held at the convention center) to our students.
3. Expand the number of businesses that hold interviewing sessions on campus.
4. Engineering and Technology Student Council plans to have a school-specific job fair in February 2005.

☑ C3. Intensify commitment and accountability to Indianapolis, Central Indiana, and the state.

☑ C3.a. Support other campus initiatives for civic engagement (e.g. partnerships with other units; contributions to campus-level Civic Engagement Inventory).

Campus Planning Theme: Civic Engagement

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:
Professor Joy Starks (CIT) has been awarded an "Engaged Department" grant from IUPUI’s Center for Service Learning to help CIT to "kick start" service learning in CIT.

Evidence of Progress for 2004-2005:
We are still in the implementation stage.

Activities planned for 2005-2006:
We plan to engage CIT students as mentors for secondary school IT students at the IPS Career and Technology Center as well as the Academies of Information Technology in Lawrence, Warren, Pike Townships in Indianapolis.

C3 b. Increase involvement in area economic development activities and research parks.
Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:
One ME faculty and one CIT faculty members have 20% release time to participate in the Purdue University Technical Assistance Program. They provide free technical consultation in mechanical engineering and information technology areas to small business and industry organizations. Our undergraduate and graduate students take part in these projects.

Evidence of Progress for 2004-2005:
Connection with TAP and IUPUI Solution Center has been successful as Purdue University seeks for additional funds to involve more IUPUI faculty with TAP.

Activities planned for 2005-2006:
We plan to integrate some of the internship opportunities, Technical Assistance Program, and the IUPUI Solution Center projects so that we have a wider base of projects and student population.

C3 c. Develop better ways of identifying new markets and providing unmet needs.
Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2004-2005:
Dean’s Industrial Advisory Council (DIAC) and department/program advisory committees were consulted and surveyed about the new markets. The two areas emerged are motorsports and systems engineering.
Evidence of Progress for 2004-2005:

Committees 1 and 3 have already met and undergraduate certificate program in motorsports and graduate certificate program in systems engineering are in the planning stages.

Activities planned for 2005-2006:

Three committees were formed to put together action plans. They are:

1. Internal Motorsports Committee composed of representatives from the school as well as the School of Liberal Arts, and TCEM. 2. External Motorsport Committee composed of representatives from Vincennes University, Purdue University, WL, Marian College, and various racing organizations. 3. Systems Engineering Committee composed of two school faculty members and representatives from Eli Lilly, Raytheon, and Rolls Royce Corporation.

☑ C3.d. Develop outreach efforts for specialized populations (e.g. adults with some college but no degree).

**Campus Planning Theme:** Civic Engagement
**Secondary Goals:**
**Sub Unit:** None
**Time Frame:** Ongoing

Actions taken for 2004-2005:

School continues to provide advising and career counseling for displaced United Airlines employees.

Evidence of Progress for 2004-2005:

The number of adults in this category has been low (less than 12) during the year.

Activities planned for 2005-2006:

1. Increase marketing efforts to local business and industry.
2. Utilize the website for marketing.

Fiscal Health

*** Fiscal health report for 2005-06 is attached as PDF file.***

Reallocation Plan

Other Question(s)

*Doubling goals. In what ways has and will your responsibility center contribute to the Chancellor’s doubling goals for enrollment (retention and graduation rates and degree conferrals), research and scholarship (grants and contracts), and civic engagement (service learning, community collaboration)?*
Our retention rate increased from 71% in 2003-04 to 74% for 2004-05 for freshman/sophomore students. The rate increased from 84% to 85% for junior/senior students. Thus, the overall retention went up from 76% to 79%. In terms of degree conferrals, the number of certificates increased from 101 to 125, AS degrees decreased from 259 to 225, BS degrees increased from 311 to 341, and MS degrees increased from 30 to 49. We expect that the number of BS degrees will continue increasing with the addition of newly approved Interior Design Technology-BS and Biomedical Engineering-BS to meet the target that the campus set for the school.

The grants and contracts income jumped from $2,247,936 last year to $3,567,286 in 2004-05. The big portion of the increase came from industrial and commercial sources; income from State agencies decreased while income from federal sources and non-profit sector increased. The school is on target in terms of doubling the grants and contracts funds by 2010.

Diversity. What actions have you taken and what results have you achieved in diversifying your student body (particularly in improving the success rates of minority students) and your faculty and staff?

The percentage of minority and African American student headcounts remained as 14% and 8% respectively as compared to last year. Our Minority Engineering Advancement (MEAP) summer program for 6th-11th grade students continue to attract students and funding from our industry partners. School has increased number of scholarships for incoming students and continues to support minority student research funding. We do not, however, have numerical data for retention rates of minority students to track the progress.

Dr. Sam White, Jr. has been hired as senior advisor to dean for diversity and engagement in August 2005 using the campus support for diversification. School was able to recruit four women faculty members in August 2005 to fill the tenure track positions in computer engineering, computer and information technology, and industrial engineering technology positions.

Campus coordination and cooperation. Are you willing to work with an adjudicative group in resolving conflicts in course and program offerings in the spirit of reducing campus duplication and overlap? If so, what forum or format would be most helpful to you? Please cite examples of your cooperation with other units in resolving such conflicts.

School has been proactive in this area as we proposed the review of campuswide introductory courses in information technology. We also work closely with the Department of Computer and Information Science in the School of Science and the School of Informatics to reduce the overlap and duplication in computer related courses. Similarly, our Interior Design Technology program collaborates with the Herron School of Art and Design in curricular area.

4) What actions have you taken to promote the retention of all students, and in particular, individuals who would diversify the student body, e.g., ethnic, racial, and gender minorities?

5) What uses are you making of the student technology fee?