

School of Industry and Technology Unit Plan 1990 - 1993

VISION STATEMENT

The School of Industry and Technology is committed to providing educational opportunities for students to discover, develop, and realize their potential for professional careers and graduate study. The school consists of three departments and offers the BS in Industrial Technology with five concentrations and the MS in Industrial Technology. Graduates are prepared for supervisory level positions in industry and related technical fields. The faculty is also committed to research and service with an emphasis on improving the economy and quality of life in eastern North Carolina.

During the planning period, the School will focus on increasing the quality of existing curricula, enriching research activities, and fostering university and industry relationships.

ELEMENTS OF DISTINCTION

- ◆ The IBM Computer Integrated Management (CIM) partnership with the School of Business
- ◆ One of only 25 percent of Industrial Technology programs in the nation accredited by the National Association for Industrial Technology
- ◆ The Industrial Graduate Internship Program which is a unique model of cooperation with industry and has been adopted by other universities across the nation
- ◆ A comprehensive industrial automation laboratory and a building materials testing center which are unique in industrial technology programs

PRIORITIES FOR ACTION

1. *Achieve distinction in undergraduate education*

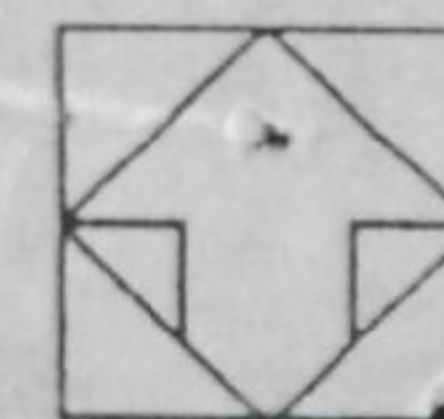
- a. Maintain National Association of Industrial Technology accreditation, and evaluate potential accreditation from other technology-based agencies such as American Baccalaureate Engineering and Technology
- b. Evaluate and revise existing concentration tracks and assess feasibility of adding tracks in areas such as computer integrated manufacturing, industrial safety, and environmental protection
- c. Revise curriculum offerings in order to improve computer literacy for all students
- d. Improve the quality and quantity of basic equipment utilized for teaching required computer and laboratory courses

2. *Strengthen the commitment to excellence in teaching*

- a. Include strategies for improving teaching as an integral part of faculty development plans
- b. Develop a formal program to enhance student survival skills in the academic setting in order to improve the student retention rate
- c. Develop additional instruments and strategies for evaluating curriculum and teaching effectiveness
- d. Make better use of Teaching Effectiveness Committee resources
- e. Conduct follow-up studies of graduates every three years and develop other means to assess effectiveness of instruction

3. *Develop a university culture based on respect for individual rights and human diversity*

- a. Enhance efforts to recruit qualified minority and female faculty members



- b. Enhance efforts to recruit minorities, international students, and females in graduate and undergraduate programs
- c. Increase faculty participation in international meetings and conferences
- d. Expand existing relationships with Habitat for Humanity International and other international humanitarian organizations
- e. Sponsor programs or seminars which focus on international issues

4. *Expand doctoral programs*

- a. Strengthen curriculum options in graduate programs to support doctoral programs
- b. Contribute to and maintain a program option in the proposed Doctorate in Educational Leadership

5. *Strengthen the commitment to research, scholarship, and creative activity*

- a. Provide appropriate incentives and facilities to encourage faculty involvement in research activities
- b. Increase scholarly activities by developing a professional career development plan, for each faculty member, which details goals related to research, funded projects, presentations, and scholarly publications
- c. Increase the number of funded research proposals through Office of Sponsored Programs by 50 percent
- d. Solicit funds from nontraditional sources to support faculty in pursuing creative and scholarly activities for professional development and to conduct research
- e. Increase interaction with industry based professional organizations and foundations
- f. Increase the number of internally-sponsored faculty research projects

6. *Improve teacher education and stimulate improvement in public schooling*

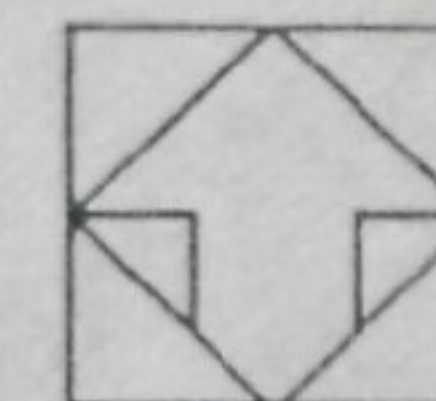
- a. Improve interactions with the School of Education in order to insure that service courses offered by the school meet the needs of technology education students
- b. Assist with technology education accreditation efforts and National Commission for Accreditation of Teacher Education visit
- c. Coordinate scheduling of teacher education service courses with the School of Education
- d. Increase articulation with public schools in order to offer career and educational planning guidance for K-12 students

7. *Recruit and support academically proficient and talented students*

- a. Offer strong undergraduate and graduate evening programs to serve students who are employed full time
- b. Develop a formal program for use in recruiting academically proficient and talented students from high schools, technical schools, and community colleges
- c. Increase the number of available industry-sponsored scholarships for academically proficient majors
- d. Better define commitment to continuing education and other nontraditional means of delivering instruction

8. *Advance the University effectively to external publics*

- a. Develop active advisory committees for program areas
- b. Increase public awareness of programs, research, and accomplishments through publications, news releases, and media presentations
- c. Expand commitment to the Center for Applied Technology and other ECU service components
- d. Develop a formal means of annually tracking graduates



- e. Expand current public relations program and better define audiences
- f. Increase interactions with local and regional economic development agencies
- g. Support the goals in the Pitt County's Focus 2007 strategic plan, especially those related to economic and industrial development

9. Develop and use expanded information resources

- a. Expand application of technology in the various aspects of instruction, research, and service functions
- b. Complete the development of the communication network required to properly support the Computer Integrated Manufacturing (CIM) area of excellence
- c. Solicit contributions from business and industry to strengthen library acquisitions

10. Provide effective stewardship of the University

- a. Develop and execute plans for conducting a major reassessment of all programs
- b. Improve efficiency in scheduling course offerings
- c. Develop interdisciplinary programs with other academic areas such as environmental health, urban planning, business, physics and home economics
- d. Evaluate the potential for other professionally oriented programs to be relocated to the school
- e. Expand programs for assessing student outcomes
- f. Assess potential for expanding engineering related offerings through the establishment of programs in engineering or engineering technology