

**NEW, REVISED, OR DELETED PROGRAM COVER SHEET  
2002-2003  
University Curriculum Committee  
Undergraduate Programs (Majors, Minors, Sequences)**

DEPARTMENT: Technology

DATE: October 21, 2002

**A. Proposed Action:** (more than one item may be checked if a revision).

- New Major CIPS CODE \_\_\_\_\_ (obtain from Planning, Policy Studies and Info Systems)
- New Minor CIPS CODE \_\_\_\_\_ (obtain from Planning, Policy Studies and Info Systems)
- New Sequence
- Change in requirements for major
- Change in requirements for minor
- Change in requirements for sequence
- Other program revisions
- More than 50% of courses in this program are distance education.
- Program deletion

**B. Summary of proposed action** (see Part A), including title and exact *Undergraduate Catalog* copy for a new or altered program. (See *Catalog* and Program Checklist for format and examples.) Provide a summary of the revisions in addition to the exact current *Catalog* copy.

Delete the General Technology sequence in the Department of Technology.

**C. Routing and action summary:**

<p>1. _____ Date Approved Department Curriculum Committee Chair</p>	<p>4. _____ Date Approved College Dean</p>
<p>2. _____ Date Approved Department Chair</p>	<p>5. _____ Date Approved Teacher Education Council Chair if appropriate (10 copies to the Dean of the College of Education)</p>
<p>3. _____ Date Approved College Committee Chair</p>	<p>6. _____ Date Approved University Curriculum Committee Chair (8 copies to the Undergraduate Studies)</p>

Submit 20 copies of **NEW** Undergraduate proposals to University Curriculum Committee  
 Submit 8 copies of **REVISED** Undergraduate proposals to University Curriculum Committee  
 All new and deleted programs (majors, minors, sequences) are routed by the U.C.C. to the Academic Senate. **The Senate rules mandate electronic submission (in MS Word or HTML format) of all materials for website posting.**

**REQUEST FOR PROGRAM REVISION**  
**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY**

**Part A: Program Description and Explanations****1. Institution**

Illinois State University

**2. Responsible Department**

Department of Technology  
Industrial Technology Degree

**3. Program Title**

Industrial Technology Major

**4. CIPS classification**

Not applicable.

**5. Date of Implementation**

Fall 2003

**6. Description of proposed program change**

Delete the General Technology sequence in the Department of Technology.

**7. Rationale for Proposal**

In 1998, a significant curriculum revision was made to the General Technology sequence to align with National Association of Industrial Technology (NAIT) accreditation requirements. These requirements specified that significant numbers of technical hours be taken within an existing and designated department of technology sequence. In addition to these requirements, students were also required to complete a second major, a minor, or an approved articulated Associate in Applied Science Degree. In essence, the original purpose for the sequence (breadth and flexibility) was found to be in direct conflict with NAIT accreditation requirements (see bottom of this section for a partial listing of conflicts with NAIT accreditation). The flexibility that was originally vested in the General Technology minor is now available through changes made to the Industrial Technology minor to make it more flexible (effective with the current 2002-03 catalog).

In addition to the accreditation issues, the department's advisement office discovered that high percentages of General Technology majors were selecting the option in order to delay selecting a sequence or because they were simply unaware of the department's other sequence options. Through careful and systematic counseling of incoming students, most of these "undecided" students are now selecting one of the department's other sequence options. Enrollments in the General Technology sequence have consequently dropped dramatically to the current level of 11 for the fall 2002 semester.

For these reasons, the faculty have concluded that the General Technology sequence is no longer viable or desirable. The sequence is no longer needed and, if retained, would represent a serious threat to NAIT re-accreditation.

**Partial List of Conflicts With NAIT Accreditation**

- Program Acceptance: The major program shall be understood and accepted by groups internal and external to the university.
- Program Emphasis: Primary emphasis in the major program shall reflect the technology of contemporary industry.
- Competency Identification: Competencies shall be identified that are relevant to the employment opportunities available to graduates.
- Competency Validation: Validation of programs shall be an on-going process and shall be accomplished through a combination of external experts, an industrial advisory committee, and follow-up studies.

- Placement of Graduates: Initial placement, job titles, job descriptions, and salaries of graduate shall be consistent with the program goals and objectives.
- Student Enrollment: Enrollment shall be adequate in each program area to operate the program efficiently and effectively.
- Program Advisory Committee: An industrial advisory committee shall assist in the validation of program content.

The Gen Tech sequence by its very nature does not provide an adequately focused program of study or reflect contemporary industry distinction from other sequences. Further, issues of competency identification and validation, placement of graduates, and advisory committees are only indirectly served by association with other sequences.

#### **8. Arrangements to be made for program faculty and students**

Faculty – There will be no course deletions or anticipated declines in enrollment as a result of deleting the General Technology sequence. Students will be advised to elect one of the four existing sequences. Therefore there should not be an impact on faculty in the Department of Technology. Total department enrollment should not be impacted, as new students will be advised to elect one of the four existing sequences.

Students - In Fall 2002, there were only 10 students registered in the General Technology sequence. These students will continue to finish their program as all courses are regularly offered in other sequence areas.

#### **9. Anticipated impact on other campus programs**

Gen Tech coursework is internal to the department and will not impact other programs on campus. Students currently in Gen Tech will complete all coursework within and external to the department.

#### **10. Anticipated budget impact**

No budget impact is anticipated as there will not be any change in the departments course offerings as a result of deleting Gen Tech.

## New Catalog Copy

None

## Old Catalog Copy

### General Technology Sequence:

The General Technology Sequence is a management-oriented technical curriculum related to the processes, products, and problems of industry that draws much of its content from construction management, industrial computer systems, integrated manufacturing systems, and/or printing management and imaging technologies. Students are required to complete a second major, a minor, or an approved articulated Associate in Applied Science Degree in order to increase their breadth and employability. The sequence and second major, minor or approved articulated Associate in Applied Science Degree selected depend on the goals of the students. (Examples that complement Industrial Technology include a minor in Business Administration or Applied Computer Science, or an approved articulated Associate in Applied Science Degree in a field such as automotive technology.)

- 54-57 hours required.
- 17 hours in General Education: MQM 100; PSY/SOC 131\*; CHE 102\*, MAT 120\*, PHY 105\*
- 13 hours in Industrial Technology core: TEC 100, 270\* (Formerly IT311), 313, 330\* (or 326 for CM); ACS 155.02.
- The following courses from 1 of these 4 sequences: **Construction Management Sequence (26 hours)**: TEC 116, 120, 123, 222, 224, 226, 229, and 394; HSC 272; **Industrial Computer Systems Sequence (27 hours)**: TEC 143, 151, 243, 283, 284, 319, 383, and 390; HSC 271; **Integrated Manufacturing Sequence (24 hours)**: TEC 111, 116, 130, 263, 292, and 392; TEC233 or 285; HSC 271; **Printing Management and Imaging Technologies Sequence (27 hours)**: TEC 150, 250, 253, 257, 350, 351, 353, and 356, HSC 271.
- A transfer student with industrially-oriented courses in areas such as automation, automotive, electronics, or robotics may have up to 12 hours of technical courses approved by departmental evaluation.
- Students must complete a minor or another major or an approved articulated Associate in Applied Science degree.