



Descriptive Summary:

Title: The Industrial Technologies Material Collection

Repository: Northern State University Archives & Special Collections, Beulah Williams Library

Creator: Created by Terry Richardson

Dates: 1929-1936, 1957-2001

Extent: 1 linear foot

Administrative Information

Acquisitions Information: This collection was donated by Terry Richardson

Processing Information: This collection was processed by Toni Mayer

Access Restrictions: None

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Related Collections: For related collections please refer to:

The Epsilon Pi Tau Collection

Beulah Williams Library Archives and Special Collections

Note: The Division of Industrial Arts at NSU was involved in petitioning for a chapter of the Epsilon Pi Tau fraternity on campus, and many Industrial Technologies students were Epsilon Pi Tau members.

Biographical Note

The Industrial Technologies Department began at Northern Normal and Industrial School in 1902 as the Manual Arts Department. Its focus was to provide education in practical work, such as mechanical drawing, basic construction, and bench work. In 1905, the Manual Arts Department moved into the newly constructed Manual Arts Building, allowing for expanded courses. The new building, with its expansion in 1909, provided workspaces such as wood and metal shops, a foundry, a forge shop, tool rooms, a drawing room, and a locker/washroom area. In 1910, the Manual Arts Department was renamed as the Industrial Arts Department to better reflect the courses offered by the department. Despite a slow start and the Board of Regents wanting to shut the program down due to low enrollment, the support of the community enabled the department to continue. In 1912 the Industrial Arts department expanded into Vocational Training courses. Following another remodel of the Industrial Arts facility in the 1950s, the department experienced renewed interest and over the next 30 years they would go through two more name changes, first to the Division of Industrial Arts and Safety Education in 1969, and finally to Industrial Technologies in 1987 to reflect the expansions and future direction of the department. Some of the subjects taught by the Industrial Technologies Department include electronics, construction, photography, wood/metalworking, furniture construction/upholstery, and even the manufacture of plastics and robotics. This pattern of expansion would continue to later include four year degrees and graduate programs. The department's focus always remained on providing hands on training to students, expanding and adding new vocations as they became popular.

The Industrial Education Club was founded in 1924, but became inactive by 1949. It was revived in 1957 after the remodel of the Industrial Arts facility renewed interest in the department. The Industrial Technologies Department hosted a variety of programs,

such as Facet Day, focusing on showcasing the talents of local students in tasks such as bridge building competitions and team problem solving challenges. There was a close relationship between Epsilon Pi Tau and the Industrial Technologies Department, with many Industrial Technologies students becoming active members of the fraternity. Terry Richardson was instrumental to the Industrial Technologies Department during his time as a professor at Northern State University, working on the advisory board and participating in events hosted by the Industrial Technologies Department in addition to teaching a number of Industrial Technologies classes.

Scope and Content

This collection is comprised of a variety of formats, including booklets, manuals, event pamphlets, photographs, curriculum materials, and board minutes relating to the Industrial Technologies program at Northern State University. It is divided into four series, *Department History*, *Publications*, *Photographs*, and *Curriculum Materials*. This collection is entirely in English.

Series Descriptions:

Series 1: Department History Boxes: 1 Dates: 1929-1936, 1958-2000

This series consists of materials relating to the formation and maintenance of the Industrial Technologies Department. It includes formats such as program reviews, advisory board minutes, newspaper clippings and typed reports about the formation of the program. This series is arranged chronologically with undated items located at the back.

Series 2: Publications Boxes: 1 Dates: 1957-1995

This series consists of publications made by the Industrial technologies program. It is divided into two subseries, Event Materials and Department Promotional Materials

Subseries 2a: Event Materials

This subseries consists of materials relating to events hosted by the Industrial Technologies Department such as posters, pamphlets, and event results. This subseries is arranged chronologically.

Subseries 2b: Department Promotional Materials

This subseries contains materials created to promote the Industrial Technologies department, such as departmental brochures and newsletters. This subseries is arranged chronologically.

Series 3: Photographs Boxes: 1 Dates: 1957-1971

This series is comprised of photographs of the Industrial Technologies Department classroom and activities including Epsilon Pi Tau functions. This series has been arranged alphabetically.

Series 4: Curriculum Materials Boxes: 1 Dates: 1977-1980, 1993-2001

This series consists of curriculum materials such as test key, course syllabi, and teacher's manuals. Course materials have been arranged alphabetically.

Detailed Description of the Collection

1. Series Title: Department History

Box # 1

FF1 History of NSC & IA, 1929-1936, 1958, 1975

FF2 Newspaper Clippings & Publications, 1963-1973

FF3 LRPC 1982

Item #1 Department of Industrial Technologies Institutional Program Review, 1990

Item #2 The History and Development of Industrial Technologies at Northern State University, Larry Bitz, 1990

FF4 Advisory Board Materials, 1991-1998

Item #3 Department of Industrial Technologies Institutional Program Review, 1995

Item #4 Northern State University Industrial Technology Education NCATE/State Institutional Report, 1995

FF5 Program Review: Industrial Technologies, 2000

FF6 Implementation of Industrial Technology Education, n.d.

2. Series Title: Publications

a. Subseries 2a: Event Materials

Box #1

FF7 State Industrial Arts Fair Pamphlet, 1957

FF8 Student Craftsman Fair Posters, 1959-1960

FF9 Technology Focus Day, 1990-1992

FF10 Facet Day Materials, 1992-1995

b. Subseries 2b: Promotional Materials

FF11 Industrial Arts Brochures, 1962-1963

FF12 Industrial Arts Newsletter, 1970-1980

FF13 Industrial and Safety Education Booklets, 1980-1982

FF14 Technogram, 1984-1992

3. Series Title Photographs

FF15 Photographs: Classroom, 1963, 1971

FF16 Photographs: Color, n.d.

FF17 Photographs: Epsilon Pi Tau & Committee Events, 1957-1969

4. Series Title: Curriculum Materials

Box # 1

FF18 Exam Keys, n.d.

FF19 DRED Course Syllabi, n.d.

FF20 IE 100 Level Course Syllabi, 1999

Item #5 IE 141 Manual, n.d.

FF21 IE 200 Level Course Syllabi, 1993

FF22 IE 300 and 300/500 Level Course Syllabi, 1993

FF23 IE 400 Level Course Syllabi, n.d.

FF24 IE 700 Level Course Syllabi, n.d.

Item #6 Industrial Education Subject Matter and Laboratory Syllabus Industrial Arts
203 General Crafts, 1977

Item #7 Industrial Education Subject Matter and Laboratory Syllabus Industrial Arts
395 Furniture Construction and Upholstery, 1978

Item #8 Industrial Education Subject Matter and Laboratory Syllabus Industrial Arts
437-637 Advanced Photography, 1980

Item #9 Industrial Education Subject Matter and Laboratory Syllabus Industrial Arts
455-655 Industrial Plastics, 1980

Item #10 Industrial Education Subject Matter and Laboratory Syllabus Industrial Arts
555 Chemical Composition and Manufacture of Plastic Materials, n.d.

Item #11 Industrial Education Subject Matter and Laboratory Syllabus Industrial Arts
771 Curriculum Making in Industrial Education, 1979

FF25 IT 100 Level Course Syllabi, n.d.

FF26 IT 200 Level Course Syllabi, 1999

FF27 IT 300 Level Course Syllabi, 1993, 1999

FF28 IT 400 Level Course Syllabi, 1993, 2000

FF29 IT 400/600 Level Course Syllabi, 1993

FF30 OED Course Syllabi, 1998. 2001