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Finding Aid to the College of Engineering and Architecture Records

College of Engineering and Architecture

College of Engineering and Architecture records, 1894-present

Record Group 13

3 Linear Feet

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OVERVIEW

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[Architecture and Landscape Architecture Department records, 1970-2004](#)
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[Electrical and Computer Engineering Department records, 1949-2003](#)
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[Petroleum Engineering Department records, 1984-1995](#)

HISTORY

The College of Engineering and Architecture's roots are found in the first university Bulletin (May 1892), with the establishment of the Department of Mechanics. A four quarter curriculum was offered which included wood and metal-working shops as well as mechanical drawing. With the arrival in 1893 of Edward S. Keene, Professor in Mechanical Engineering (eventual first Dean of the School of Mechanic Arts), courses in steam engineering, thermo-dynamics and dynamo-electric machines were added to the curriculum. This two-year program was supported by a mechanical laboratory erected in the same year.

The department underwent a number of name changes between 1894 and 1907: Department of Mechanics & Physics - 1894-1895, Department of Mechanics - 1895-1898, Department of Mechanics and Physics – 1899-1904; Department of Mechanical Engineering & Physics - 1904-1906, and the Department of Engineering & Physics - 1907-1917. During this period of time the comprehensive four-year curriculum in mechanics was developed, an engineering building was built, now known as South Engineering, and majors in mechanical engineering, civil engineering, steam engineering (2 year), physics, and course work in free hand drawing was offered. It was in the 1916-1917 Bulletin the division of Architecture and Architectural Engineering is first reported. When the School of Mechanic Arts was established in 1917, the following divisions were established: architecture and architectural engineering, civil engineering, industrial engineering, mechanical engineering, and physics. In the 1922-23 Catalog, industrial engineering is no longer a division and as of the 1923-24 Catalog, all the divisions have now become departments. In the 1927-1928 Catalog, the Department of Mechanical Engineering becomes the Department of Mechanical and Electrical Engineering. As of the 1935-1936 Bulletin, the Department of Chemistry is added. In the 1939-1940 Catalog, the Department of Agricultural Engineering is added and the Department of Chemistry is now located in the School of Chemical Technology. In the 1940-1941 Bulletin, there are separate departments for Mechanical Engineering and Electrical Engineering. In 1949, an additional engineering building was approved by the legislature, originally called North Engineering, but changed to Dolve Hall in 1954. Complimentary to Dolve Hall was the construction of the Architecture Quonset, used as the aeronautical engineering laboratory. In the 1950-1951 Catalog, the Department of Agricultural Engineering is added to the School of Engineering. As of the 1954-1955 Bulletin, the Department of Industrial Engineering and Management was added.

n 1962, the College of Engineering became the College of Engineering and Architecture. In the 1962-1964 Catalog, Industrial Engineering and Management became just Industrial Engineering. As Engineering continued to expand at NDSU, in the early 1960s plan for an Engineering Center were developed and ground breaking took place in 1963. As of the 1965-1967 Bulletin, the Department of Physics was located within the College of Chemistry and Physics. As of the 1967-1969 the Department of Electrical Engineering expanded and became the Department of Electrical and Electronics Engineering. As of the 1970-1972 Bulletin, the Department of Architecture was now listed, as well as a set curriculum in Construction Management. In the fall of 1971 a graduate program in Community and Regional Planning was established in the College. In the 1974-1976 Bulletin, management is added back to industrial engineering to create then Department of Industrial Engineering and Management and mechanical engineering became the Department of Mechanical Engineering and Applied Mechanics. In the 1978-1980 Bulletin, construction management became the Department of Construction Management and Engineering.

In 1983, a Petroleum Engineering Program was established as a component of the Engineering Science Department, a division within the College of Engineering and Architecture. The program officially began in the academic year 1986-1987. Due to budget cuts the Petroleum Engineering program was discontinued in 1995.

The 1984-1986 Bulletin shows the addition of Engineering Science as well as the Department of Landscape Architecture, which had been approved in 1983. In the spring of 1990, the graduate program in Community and Regional Planning was cut. The 1990-1992 Bulletin reflects a few changes in departments within the college: Architecture and Landscape Architecture and the Division of Civil Engineering and Construction. In the 1992 Bulletin, the Department of Engineering Technology was added.

In the 1994-1996 Bulletin, the Military Science (Army ROTC) and the Aerospace Science (Air Force ROTC) have moved from the College of Humanities and Social Sciences to the College of Engineering and Architecture. In addition, Civil Engineering and Construction is now a department, no longer a division. As of the 1996-1998 Bulletin, the following departments were listed: Agricultural Engineering, Architecture and Landscape Architecture, Civil Engineering and Construction, Electrical Engineering, Engineering Technology, Industrial Engineering and Management, and Mechanical Engineering and Applied Mechanics. In 1998, a new building was added to the Engineering Center, Ehly Hall. As of the 1998-2000 Bulletin, Agricultural Engineering became the Department of Agricultural and Biosystems Engineering and Industrial Engineering became Industrial and Manufacturing Engineering.. As of May 12, 1999 the NDSU Department of Electrical Engineering became the Department of Electrical and Computer Engineering. As of the 2006-2008 Bulletin, the following departments are listed: Agricultural and Biosystems Engineering, Architecture and Landscape Architecture, Civil Engineering, Construction Management and Engineering, Electrical and Computer Engineering, Industrial and Manufacturing Engineering, and Mechanical Engineering and Applied Mechanics.

SCOPE & CONTENT

The records of the College of Engineering and Architecture, as whole, consists of annual reports (1982-1983, 1985-1986, 1988-1989), accreditation information (1985, 1988, 1994), faculty lists (1954, 1990-1991), faculty meetings (1961-1975, 1988-1999), faculty constitution/by-laws (1963, 1983), Honors Day, Ray Ehly lectureship (1997), Engineering High Tech Seminar (1984), doctoral proposal – doctor of engineering (1977), recruitment/public relations (1928-1999 [gaps]), departmental chairs meeting minutes (1954-1968 [gaps]), historical background (1930, 1950, 1969, 1974, 1975), alumni activities (1988, 1994), buildings (1996-1999), committees (1961-1990), newsletters (1969-2004 [gaps]), *The State College Engineer* (1926-1960).

INVENTORY

13.1.1 Annual Reports

Annual Report -1982-1983
 Annual Report -1985-1986
 Annual Report - 1988-1989
 Annual Report – 1996-1997
 Annual Report -1997-1998
 Annual Report – 1998-1999
 Annual Report -1999-2000
 Annual Report – Design the Future – 2001-2002

13.1.2 Accreditation

Accreditation Board for Engineering and Technology - Vol. 1 - Questionnaire for Review of Engineering Programs - NDSU - April 1985
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Construction Engineering - NDSU - April 1985
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Industrial Engineering and Management - NDSU – April 1985
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Mechanical Engineering & Applied Mechanics - NDSU – April 1985
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Agricultural Engineering - NDSU - April, 1988
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire or Review of Engineering Programs - Civil Engineering - NDSU - April, 1988
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Construction Engineering - NDSU - April, 1988
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Electrical and Electronics Engineering - NDSU - April, 1988
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Industrial Engineering & Management - NDSU - April, 1988
 Accreditation Board for Engineering and Technology - Vol. II - Questionnaire for Review of Engineering Programs - Mechanical Engineering and Applied Mechanics - NDSU - April, 1988
 Accreditation Board for Engineering and Technology, Inc. - Vol. 1 - Self-Study Questionnaire for Review of Engineering Programs -May 15, 1988
 Accreditation Board for Engineering and Technology – Humanities & Social Science - Courses submitted – NDSU – May 15, 1988
 Accreditation Board for Engineering and Technology, Inc. - Vol. 1 - Self-Study Questionnaire for Review of Engineering Programs - 1994-1995 Edition - NDSU - June, 1994

Accreditation Board for Engineering and Technology, Inc. - Vol. II - Self-Study for Review of Engineering Programs Using Engineering Topics Criteria - 1994-1995 Edition - Agricultural Engineering - NDSU

Accreditation Board for Engineering and Technology, Inc. - Vol. II - Self-Study for Review of Engineering Programs Using Engineering Topics Criteria - 1994-1995 Edition - Civil Engineering - NDSU

Accreditation Board for Engineering and Technology, Inc. - Vol. II - Self-Study for Review of Engineering Programs Using Engineering Topics Criteria - 1994-1995 Edition - Electrical Engineering - NDSU

Accreditation Board for Engineering and Technology, Inc. - Vol. II - Self-Study for Review of Engineering Programs Using Engineering Topics Criteria - 1994-1995 Edition - Industrial Engineering and Management – NDSU

Accreditation Board for Engineering and Technology, Inc. - Vol. II - Self-Study for Review of Engineering Programs Using Engineering Topics Criteria - 1994-1995 Edition - Mechanical Engineering - NDSU

13.1.3 Faculty
13.1.3.1 Faculty Lists

Faculty List - 1954

Faculty List - 1990-1991

13.1.3.3 Faculty Meetings

College of Engineering - Meeting Minutes - 1961

College of Engineering - Meeting Minutes - 1961-62

College of Engineering and Architecture - Meeting Minutes - 1962-63

College of Engineering and Architecture - Meeting Minutes - 1963-64

College of Engineering and Architecture - Meeting Minutes - 1964-65

College of Engineering and Architecture - Meeting Minutes - 1965-66

College of Engineering and Architecture - Meeting Minutes - 1966-67

College of Engineering and Architecture - Meeting Minutes - 1967-68

College of Engineering and Architecture - Meeting Minutes - 1974-75

College of Engineering and Architecture - Meeting Minutes - 1988-89

College of Engineering and Architecture - Meeting Minutes - 1989-90

College of Engineering and Architecture - Meeting Minutes - 1990-91

College of Engineering and Architecture - Meeting Minutes - 1991-92

College of Engineering and Architecture - Meeting Minutes - 1992-93

College of Engineering and Architecture - Meeting Minutes -1993-94

College of Engineering and Architecture - Meeting Minutes -1994-95

College of Engineering and Architecture - Meeting Minutes -1995-96

College of Engineering and Architecture - Meeting Minutes -1996-97

College of Engineering and Architecture - Meeting Minutes -1997-98

College of Engineering and Architecture - Meeting Minutes -1998-99

College of Engineering and Architecture - Meeting Minutes -1999

13.1.3.7 Faculty Constitutions/By-Laws

Faculty Constitution and By-Laws - Draft – 1963

Faculty Bylaws and Roster – 1983

13.1.4 Honors Day

The Frank Charles Mirgain Memorial Scholarship - n.d.
Dean's List – blanks - n.d.
Helgason Scholarship blank - n.d.
Annual Awards Banquet Luncheon Brochure - 2003

13.1.5 Special Programs

13.1.5.1 Ray Ehly Lectureship

Ray Ehly Lectureship – “Perils of Globalism: The Need for Sustainable Bioregions” – Robert L. Thayer, Jr. -flyer, lecture text – 1997

13.1.5.2 Seminars

Engineering High Tech Seminar and Exhibits – March 1984

13.1.6 Curriculum

Doctoral Proposal – Doctor of Engineering - 1977

13.1.7 Recruitment/Public Relations

Open House – The School of Mechanics – program – May 1928
Fourth Annual Engineers' Day - School of Mechanic Arts - program - 1929
Open House – notice - 1938
College of Engineering & Architecture – brochure – c. early 1960s
College of Engineering and Architecture – brochure – c.1964
College of Engineering and Architecture – brochure - c.1973
College of Engineering & Architecture – brochure - c.1978
College of Engineering & Architecture Open House – notice - 1978
National Engineers Week - Supplement to *The Forum* - 1980
Board of Higher Education Approves Engineering Doctorate - *It's Happening* - 1/13/81
Graduate Programs in Engineering - poster - 1981
Graduate Programs in Engineering - booklet - 1982
Ph.D. in Engineering - brochures – c.1980s, 1990s
Recruitment piece - College of Engineering & Architecture - c.1984
Public Relations/Recruitment Piece - College of Engineering and Architecture - Engineering Science A Blend of Two Worlds – brochure - 1990
Recruitment piece – NDSU Engineering & Architecture – Spring 1999 [REMOVED TO OVERSIZED PUBLICATIONS - NDSU COLLEGES]

13.1.8 Departmental Chairs

School of Engineering - Meeting Minutes - 1954-55
School of Engineering - Meeting Minutes - 1956-57
School of Engineering - Meeting Minutes - 1957-68
School of Engineering - Meeting Minutes - 1958-59
School of Engineering - Meeting Minutes - 1959-60
School of Engineering - Meeting Minutes - 1960-61
College of Engineering & Architecture - Meeting Minutes - 1961-62
College of Engineering & Architecture - Meeting Minutes - 1962-63

College of Engineering & Architecture - Meeting Minutes - 1966-67
College of Engineering & Architecture - Meeting Minutes - 1967-68

13.1.9 Historical Background

The School of Mechanic Arts of the North Dakota State College of Agriculture and the Mechanic Arts – student paper copy - Oct., 1930
Brief History of the School of Engineering - 1950
School of Engineering, Open House, May 11-12, 1950, *Spectrum* article
Merger of UND & NDSU Engineering Programs – proposal - 1969
Merger of UND & NDSU Engineering Programs – proposal - 1974
Merger of UND & NDSU Engineering Programs – proposal - 1975
Campaign for the College of Engineering and Architecture - 1994

13.1.10 Alumni Activities

Alumni Social Hour - flyer - 1988
Invitation from NDSU Alumni Association to Alumni of Engineering and Architecture for reception and program - Anaheim, CA - 1994

13.1.20 Buildings

Ehly Hall - Groundbreaking, Dedication, Building Committee Minutes & Website - 1996-1999

13.3 Committees, Task Forces, Commissions

13.3.3 Computer Review Committee Report - “Current Computer Usage and Future Needs of the College of Engineering and Architecture” – 1987

13.3.5 Curriculum & Scheduling Committee - 1963-1965

13.3.5 Faculty Committee on “A Coordinated Course for Freshmen in Engineering and Architecture” - 1966

13.3.14 Student Progress Committee - 1962

13.3.21 Academic Standards Committee - 1961

13.3.22 Committee on Committees - 1965-1967

13.3.23 CEA Search Committee - 1974

13.3.24 Entrance Requirement Committee – 1960

13.3.25 Library Committee - 1964, 1990

13.3.26 Committee on Student Discipline - c.1961

13.7 Publications

Scope & Content

The records include a variety of newsletter/tabloid publications from 1969 to 2004 [gaps], a paper dealing with practical applications (1966), a *Design Methods Learning Manual* (n.d.), and *The State College Engineer* (June 1926 - June 1931), which became the *North Dakota State College Engineer* (Nov./Dec.1931 - May 1960).

13.7.1 Newsletters

American Society of Agricultural Engineers - NDSU Newsletter - 1969

Friends - Department of Architecture - newsletter type publication - 2 issues - c.1973 [REMOVED TO OVERSIZED PUBLICATIONS - NDSU COLLEGES]

Engineering & Architecture - tabloid type of publication - 1975, 1976, c1977, 1979, 1981, 1982, 1988, 1989, 1991, 1992, 1993, 1994 [REMOVED TO OVERSIZED PUBLICATIONS - NDSU COLLEGES]

Exploring the Built Environment - Department of Architecture - newsletter type publication - September, 1975 [REMOVED TO OVERSIZED PUBLICATIONS - NDSU COLLEGES]

Man Made Environment Education - Department of Architecture - newsletter - 1975 [REMOVED TO OVERSIZED PUBLICATIONS - NDSU COLLEGES]

Department of Agricultural Engineering Mechanized Agriculture – Newsletter - 1975

Engineering Experiment Station Newsletter - Vol. 1, Nos. 1-3, 1976

Experiment Station Research News - 1977, 1978

The Source - Newsletter for alumni and friends of the College of Engineering and Architecture –1995, 1998, 2000, Fall 2001, Fall 2002, 2003/2004, 2006-2007, 2007-2008, 2008-2009 [REMOVED TO OVERSIZED OVER-SIZED PUBLICATIONS - NDSU COLLEGES]

InFORM – Department of Architecture and Landscape Architecture – 1999, 2001, 2002, 2004 [REMOVED TO OVERSIZED PUBLICATIONS - NDSU COLLEGES]

The NDSU Messenger - Newsletter to Alumni and Friends of Mechanical Engineering – 1989-1991, March 2000

13.7.2 General

Paper - “A Study of the Practical Applications of the Humanitarian Disciplines in Engineering Practice and the Importance of Such Knowledge in an Engineering Career” - Marion B. Richardson, Prof. Emeritus, NDSU - 1966

Design Methods Learning Manual – Vince W. Hatlen, Department of Architecture, Faculty Development Institute, n.d.

Faculty Research Interests - 1998

13.7.3 Periodicals

The State College Engineer - School of Mechanic Arts, N.D.A.C. - Vol.1, No. 1 - (June 1926) -
Vol. 6, No. 4 (June 1931) *North Dakota State College Engineer* - School of Mechanic Arts, N.D.A.C. -
Vol. 7, No. 1 (Nov./Dec. 1931) - Vol. 34 [sic - should be Vol. 35], No. 4 May 1960) [suspended
publication Vols. 19-22 - 1944-1946)

Vol. 2, No. 1-4 - 1926-27
Vol. 3, No. 1-4 - 1927-28
Vol. 4, No. 2-4 - 1929
Vol. 5, No. 3, 4 - 1930
Vol. 6, No. 1-3 - 1930-31
Vol. 7, No. 1-4 - 1931-32
Vol. 8-9 (1932-1934) - Bound
Vol. 8, No. 1-4 - 1932-33
Vol. 9, No. 3, 4 - 1934
Vol. 10, No. 1-3 - 1934-35
Vol. 11, No. 1-4 - 1935-36
Vol. 12, No. 2, 3 - 1937
Vol. 13, No. 4 - 1938
Vol. 14, No. 1-4 - 1938-39
Vol. 15, No. 1-4 - 1939-40
Vol. 16-18 (1940-1943) - Bound
Vol. 23, No. 1-4 - 1947-48
Vol. 24, No. 1-4 - 1948-49
Vol. 25, No. 1-4 - 1949-50
Vol. 26, No. 1-4 - 1950-51
Vol. 27, No. 1-4 - 1951-52
Vol. 28, No. 1-4 - 1952-53
Vol. 29, No. 1,4, Mar. Supplement. - 1953-54
Vol. 30, No. 2-4 - 1955
Vol. 31, No. 1-4 - 1955-56
Vol. 32, No. 1, 3, 4 - 1956-57
Vol. 33, No. 3, 4 - 1958
Vol. 34, No. 1-4 - 1958-59
Vol. 34 [sic 35], No. 1-4 - 1959-60