

**COLLEGE OF ENGINEERING AND MINES  
UNIVERSITY OF NORTH DAKOTA, GRAND FORKS, ND  
APPLICATION FOR ADMISSION  
TO THE PROFESSIONAL DEGREE PROGRAM**

NAME:	STUDENT ID #:
CURRENT ADDRESS:	SOC. SEC #: (if "EMPL ID" is unknown)
CITY/STATE/ZIP	
E-MAIL	PH:
PERMANENT ADDRESS:	PH:
CITY/STATE/ZIP	

Indicate the degree program to which you are applying. If you wish to be considered in another degree program, place a "2" in the blank and a copy of your application will be forwarded.

<input type="checkbox"/> Chemical Engineering	<input type="checkbox"/> Geological Engineering
<input type="checkbox"/> Civil Engineering	
<input type="checkbox"/> Electrical Engineering	
<b>I AM CURRENTLY:</b>	
<input type="checkbox"/> Transferring to UND	<input type="checkbox"/> UND Student
	<input type="checkbox"/> UND DEDP Student

Applications will not be considered until transcripts have been received at the UND Admissions Office from all colleges/universities you have attended. **You**, as the student, must request the "official transcripts" be sent to the UND Admissions Office, Twamley Hall Room 205, 264 Centennial Drive Stop 8357, Grand Forks, ND 58202.

List all the colleges/universities you have attended.

COLLEGE/UNIVERSITY	CITY/STATE	COLLEGE/UNIVERSITY	CITY/STATE

When all parts of this application have been completed, **return your application\* AND a copy of your current transcript** to the department of your choice by mail or fax to UND SEM; Upson II Room 165, 243 Centennial Drive Stop 8155; Grand Forks, ND 58202-8115 or FAX 701-777-4838.

**DEADLINE:** March 1. Applications are reviewed once a year. Notification will be mailed to you by April 1.

<b>OFFICE USE ONLY</b>

## FOUNDATION REQUIRED COURSES

<i>UND Course Number/Title</i>	<i>Your Equivalent TRANSFER Course Number/Title</i>	<i># of Credits</i>	<i>Grade</i>	<i>Please Indicate: Currently Enrolled (CE) or taking in upcoming Summer Session (SS)</i>	<i>College/University Where completed</i>
ENGL 110 – College Comp I					
<input type="checkbox"/> ENGL 120 – College Comp II <b>OR</b> <input type="checkbox"/> ENGL125 – Tech. & Business Writing					
PHYS 251/251L – University Physics I/Lab					
PHYS 252/252L – University Physics II/Lab					
Math 165 – Calculus I					
Math 166 – Calculus II					
Math 265 – Calculus III					

## DEPARTMENT REQUIRED COURSES - See “Degree Program Foundation Courses” sheet attached. List only those required.

<i>UND Course Number/Title</i>	<i>Your Equivalent TRANSFER Course Number/Title</i>	<i># of Credits</i>	<i>Grade</i>	<i>Please Indicate: Currently Enrolled (CE) or taking in upcoming Summer Session (SS)</i>	<i>College/University Where completed</i>

If you are “conditionally” admitted, you have until the upcoming fall semester to complete your courses necessary to become “fully” admitted to the degree program of choice.

***I certify that all statements in this application are true and correct.***

\_\_\_\_\_  
APPLICANT’S SIGNATURE

\_\_\_\_\_  
DATE

## DEGREE PROGRAM FOUNDATION COURSES

### UNIVERSITY OF NORTH DAKOTA COLLEGE OF ENGINEERING AND MINES

Any student desiring to apply for admission to one of the College of Engineering and Mines' Professional Degree Programs must complete or be in the process of completing the Foundation Course work as indicated below and earn at least a **C** grade in each of these courses.

All programs **require** the following courses:

Course Name	Course Number	Course Name	Course Number
ENGLISH	~ Engl 110 – College Comp I ~ Engl 120 – College Comp II or Engl 125 – Tech. & Business Writing	PHYSICS (Calculus Based)	~ Phys 251 – University Physics I ~ Phys 252 – University Physics II
MATHEMATICS	~ Math 165 – Calculus I ~ Math 166 – Calculus II ~ Math 265 – Calculus III		

IN ADDITION TO THE ABOVE COURSES, each department requires the following course work:

#### **CHEMICAL ENGINEERING**

**Required Courses:**

Fund. Of Chemistry Concepts ..... Chem 221/221L  
Fund. Of Chemistry Analysis ..... Chem 222 & 222L  
Stoichiometry ..... ChE 201

**Select three courses from the following:**

Intro. to ChE ..... ChE 102  
Unit Operations ..... ChE 206  
ChE Lab I ..... ChE 232  
Organic Chemistry I/Lab ..... Chem 341/341L  
Statics ..... Engr 201  
Elem. Differential Equations ..... Math 266

#### **CIVIL ENGINEERING**

**Required courses:**

General Chemistry I/Lab ..... Chem 121/121L  
General Chemistry II/Lab ..... Chem 122 & 122L  
OR General Biology I/Lab ..... Biol 150 & 150L

**Select four courses from the following:**

Graphical Communications ..... Engr 101  
Computer Appl. in Engr ..... Engr 200  
Statics ..... Engr 201  
Dynamics ..... Engr 202  
Mechanics of Materials ..... Engr 203

#### **GEOLOGICAL ENGINEERING**

**Required courses:**

Geology for Engineers ..... GeoE 203  
General Chemistry I ..... Chem 121/121L

**Select three courses from the following:**

Computer Appl. in Engr ..... Engr 200  
Statics ..... Engr 201  
Dynamics ..... Engr 202  
Mechanics of Materials ..... Engr 203  
Circuit Analysis ..... EE 206

#### **ELECTRICAL ENGINEERING**

**Required Courses:**

Circuit Analysis ..... EE 206  
Programming Course ..... Advisor Approval  
General Chemistry I ..... Chem 121/121L

**Select four courses from the following:**

Elem. Differential Equations ..... Math 266  
Digital Logic ..... EE 201  
Computer Aided Meas. ..... EE 304  
or a programming course  
Linear Electric Circuits ..... EE 313  
Graphical Communications ..... Engr 101  
Statics ..... Engr 201  
Dynamics ..... Engr 202  
Mechanics of Materials ..... Engr 203  
Materials Science ..... ME 301  
Fluid Mechanics ..... ME 306  
Thermodynamics ..... ME 341