

**UNIVERSITY OF NORTH DAKOTA CIVIL ENGINEERING  
CURRICULUM GRADUATION STATUS SHEET**

Date Reviewed: \_\_\_\_\_

On-Campus:  DEDP:

**STUDENT:**  
**EMPL ID#:**  
**ADMIT DATE:**  
**TRANSFER FROM:**

**PROFESSIONAL DEGREE PROGRAM:**  
**GRADUATION DATE:**  
**CATALOG YEAR:**

**UND ESSENTIAL STUDIES  
REQUIREMENTS**

	UND Credits	Transfer Credit	Semester Taken	Credit Rec'd	Honor Grade	Points
<b>I. SPECIAL EMPHASIS = 12 cr.</b>						
A = Advanced Communication (3 credit hours)					(Approved: CIEN 301 & 302)	
Q = Quantitative Reasoning (3 credit hours)					(Approved: PHYS 251/251L)	
G = Global Diversity (3 credit hours)						
U = United States (3 credit hours)						
<b>II. COMMUNICATION = 9 cr. (ENGL 110; ENGL 120 or 125; &amp; 3 oral)</b>						
ENGL 110	3					0.00
ENGL 125 or ENGL 120	3					0.00
COMM 110 (Approved Oral)	3					0.00
<b>III. SOCIAL SCIENCE = 9 cr. (minimum of 2 departments)</b>						
ECON 201	3					0.00
_____	3					0.00
_____	3					0.00
<b>IV. ARTS &amp; HUMANITIES = 9 cr. (3 cr. in Fine Arts &amp; 3 cr. in Humanities)</b>						
PHIL 370	3					0.00
_____ (FA Course)	3					0.00
_____ (Hum. Course)	3					0.00
<b>Subtotal (27 cr.)</b>	<b>0</b>	<b>0</b>				

NOTE: BSCE Ethics Requirement = PHIL 370 or ChE 340 (SS) or ME 370 (SS)

**V. MATHEMATICS, SCIENCE & TECHNOLOGY = 9 cr.**  
(minimum of 2 depts. & must include with a 4 hour science course w/lab)

**MATHEMATICS (18 cr.)**

MATH 165	4					0.00
MATH 166	4					0.00
MATH 265	4					0.00
MATH 266	3					0.00
ECON 210 or MATH 321	3					0.00
or PSYC 241						

**CHEMISTRY (8 cr.)**

CHEM 121	3					0.00
CHEM 121L	1					0.00
CHEM 122 or BIOL 150	3					0.00
CHEM 122L or BIOL 150L	1					0.00

NOTE: BIOL 150/150L is offered in the FALL only.

**PHYSICS (8 cr.)**

Q PHYS 251/251L	4					0.00
PHYS 252/252L	4					0.00

**Subtotal (34 cr.)**

**0 0**

**VI. CAPSTONE ( C ) = 3 cr.**

C = Approved Capstone course taken senior year (CIEN 482 & 483)

**GENERAL ENGINEERING &  
ENGINEERING SCIENCE REQUIREMENTS**

CIEN 101	1					0.00
ENGR 101	3					0.00
ENGR 200	2					0.00
ENGR 460	3					0.00
GEOE 203 or GEOL 101	3					0.00
<b>Subtotal (12 cr.)</b>	<b>0</b>	<b>0</b>				

**NOTES:**

**CIVIL ENGINEERING SCIENCE/DESIGN  
REQUIREMENTS**

	UND Credits	Transfer Credit	Semester Taken	Credit Rec'd	Honor Grade	Points
<b>SOPHOMORE YEAR</b>						
CIEN 202	1					0.00
CIEN 313	2					0.00
CIEN 313L	1					0.00
ENGR 201	3					0.00
ENGR 203	3					0.00
<b>JUNIOR YEAR</b>						
A CIEN 301	2					0.00
A CIEN 302	2					0.00
CIEN 306	3					0.00
CIEN 351	4					0.00
CIEN 412	2					0.00
CIEN 423	2					0.00
CIEN 431	3					0.00
CIEN 451	3					0.00
ENGR 202	3					0.00
<b>SENIOR YEAR</b>						
CIEN 414	3					0.00
CIEN 416	3					0.00
CIEN 421	3					0.00
CIEN 432	3					0.00
CIEN 444	3					0.00
CIEN 453	3					0.00
C CIEN 482	2					0.00
C CIEN 483	2					0.00
<b>Subtotal (56 cr.)</b>	<b>0</b>	<b>0</b>				
<b>TECHNICAL ELECTIVES = 6 Cr.</b>						
	3					0.00
	3					0.00
<b>Subtotal (6 cr.)</b>	<b>0</b>	<b>0</b>				

**TOTAL CREDITS (135):**

**0**

**UND ENGR. GPA (2.0):**

**0.000**

**OVERALL GPA:**

**0.000**

**UNIVERSITY REQUIREMENTS:**

<input type="checkbox"/>	Minimum of 60 credits at four-year institution
<input type="checkbox"/>	Last 30 credits must be UND institutional credit
<input type="checkbox"/>	Completed Essential Studies Requirements
<input type="checkbox"/>	36 hours of 300 level courses or above
<input type="checkbox"/>	Minimum of 125 semester hour of credit
<input type="checkbox"/>	Minimum 2.0 GPA (Cumulative & UND)

I certify that the student named on this contract meets the requirements for a degree of:

**Bachelor of Science in Civil Engineering (BSCE).**

\_\_\_\_\_  
Chair, Civil Engineering

\_\_\_\_\_  
Date

\_\_\_\_\_  
Dean, School of Engineering and Mines

\_\_\_\_\_  
Date

**UND COURSE NO.    UND COURSE TITLE****ESSENTIAL STUDIES REQUIREMENTS**

CHEM 121/121L	General Chemistry I/Lab
CHEM 122/122L	General Chemistry II/Lab (SPRING)
or BIOL 150/150L	General Biology I/Lab (FALL)
ECON 201	Principles of Microeconomics
ECON 210	Intro. To Business & Economic Statistics
or MATH 321	Applied Statistical Methods
or PSYC 241	Intro. To Statistics
ENGL 110	College Composition I
ENGL 125	Technical & Business Writing
or ENGL 120	College Composition II
COMM 110	Fundamentals of Public Speaking
MATH 165	Calculus I
MATH 166	Calculus II
MATH 265	Calculus III
MATH 266	Elementary Differential Equations
PHIL 370	Ethics in Engineering & Science
or ChE 340	Engrs & Scientists in Society
or ME 370	Engineering Disasters & Ethics
Q PHYS 251/251L	University Physics I/Lab
PHYS 252/252L	University Physics II/Lab

**GENERAL ENGINEERING & ENGINEERING SCIENCE**

CIEN 101	Introduction to Civil Engineering
CIEN 202	Introduction to Digital Terrain Modeling
A CIEN 301	Civil Engineering Lab 1
A CIEN 302	Civil Engineering Lab 2
CIEN 306	Fluid Mechanics
CIEN 313/313L	General Surveying/Laboratory
CIEN 351	Structural Mechanics
CIEN 412	Soil Mechanics
CIEN 414	Foundation Engineering
CIEN 416	Transportation Engineering
CIEN 421	Hydrology
CIEN 423	Hydraulic Engineering
CIEN 431	Environmental Engineering I
CIEN 432	Environmental Engineering II
CIEN 444	Contracts and Specifications
CIEN 451	Steel Design
CIEN 453	Reinforced Concrete
C CIEN 482	Civil Engineering Design
C CIEN 483	Civil Engineering Design
ENGR 101	Graphical Communications
ENGR 200	Computer Applications in Engineering
ENGR 201	Statics
ENGR 202	Dynamics
ENGR 203	Mechanics of Materials
ENGR 460	Engineering Economy
GEOE 203	Geology for Engineers
or GEOL 101	Introduction To Geology

**FIRST YEAR - Fall Semester (17 credits)**

BIOL 150/150L - General Biology I/Laboratory  
 \*\*\*\*(OFFERED IN FALL ONLY)\*\*\*\*  
 CHEM 121/121L - General Chemistry I/Laboratory  
 ENGL 110 - College Composition I  
 ENGR 101 - Graphical Communication  
 MATH 165 - Calculus I  
 Essential Studies Requirement - Elective

**FIRST YEAR - Spring Semester (17 credits)**

CHEM 122/122L - General Chemistry II/Laboratory  
 \*\*\*\*(OFFERED IN SPRING ONLY)\*\*\*\*  
 CIEN 101 - Introduction to Civil Engineering  
 ENGL 125 - Tech. & Business Writing  
 or ENGL 120 - College Composition II  
 ENGR 200 - Computer Applications  
 MATH 166 - Calculus II  
 Essential Studies Requirement - Elective

**SECOND YEAR - Fall Semester (17 credits)**

CIEN 313/313L - General Surveying/Laboratory  
 ENGR 201 - Statics  
 GEOE 203 - Geology for Engineers  
 or GEOL 101 - Intro to Geology/Laboratory  
 MATH 265 - Calculus III

Q PHYS 251/251L - University Physics I/Laboratory

**SECOND YEAR - Spring Semester (17 credits)**

CIEN 202 - Introduction to Digital Terrain Modeling  
 ECON 210 - Intro. To Business & Economic Statistics  
 or MATH 321 - Applied Statistical Methods  
 or PSYC 241 - Intro. To Statistics  
 ENGR 203 - Mechanics of Materials  
 MATH 266 - Elementary Differential Equations  
 PHYS 252/252L - University Physics II/Laboratory  
 Essential Studies Requirement - Elective

**THIRD YEAR - Fall Semester (17 credits)**

A CIEN 301 - Civil Engineering Laboratory 1  
 CIEN 306 - Fluid Mechanics  
 CIEN 351 - Structural Mechanics  
 CIEN 412 - Soil Mechanics  
 ENGR 202 - Dynamics  
 PHIL 370 - Ethics in Engineering  
 or ChE 340 - Engrs & Scientists in Society  
 or ME 370 - Engineering Disasters & Ethics

**THIRD YEAR - Spring Semester (16 credits)**

A CIEN 302 - Civil Engineering Laboratory 2  
 CIEN 423 - Hydraulic Engineering  
 CIEN 431 - Environmental Engineering I  
 CIEN 451 - Steel Design  
 COMM 110 - Fundamentals of Public Speaking  
 ECON 201 - Principles of Microeconomics

**FOURTH YEAR - Fall Semester (17 credits)**

CIEN 421 - Hydrology  
 CIEN 432 - Environmental Engineering II  
 CIEN 453 - Reinforced Concrete  
 C CIEN 482 - Civil Engineering Design  
 ENGR 460 - Engineering Economy  
 Technical Elective

**FOURTH YEAR - Spring Semester (17 credits)**

CIEN 414 - Foundation Engineering  
 CIEN 416 - Transportation Engineering  
 CIEN 444 - Contracts and Specifications

C CIEN 483 - Civil Engineering Design  
 Essential Studies Requirement - Elective  
 Technical Elective

**TOTAL REQUIRED CREDIT HOURS = 135**