

LEADERS CAN START ANYWHERE... AND FINISH THEIR DEGREE AT UND

When you begin your Associate in Science- Engineering Option at Dickinson State University.

Plan of Study: Bachelor of Science in Chemical Engineering

Courses are sequenced to provide guidance and to help ensure that prerequisites are met.

Catalog Year: 2022-2023

Begin courses at Dickinson State University		
First Year First Semester		
	CHEM 121/L: General Chemistry I/Lab	5
	MATH 165: Calculus I	4
	UNIV 100: Freshman Seminar	1
	ENGL 110: College Composition I	3
	COMM 110: Fundamentals of Public Speaking	3
	Approved Social Science Course	3
	Total Credits	19
First Year Second Semester		
	CHEM 122/L: General Chemistry II/Lab	5
	MATH 166: Calculus II	4
	PHYS 251/L: University Physics I/Lab	5
	ENGL 120: College Composition II	3
	Approved General Education Elective	3
	Total Credits	20
Second Year First Semester		
	MATH 265: Calculus III	4
	PHYS 252/L: University Physics II/Lab	5
	CSCI 101: Introduction to Computers	3
	Approved Human Behavior & Governance Course	3
	CHE 201: Chemical Engineering Fundamentals*	3
	Total Credits	18
<p>Apply to UND by April 15</p> <ul style="list-style-type: none"> Complete online application at UND.edu/transfer Request transcripts to be sent to UND from DSU. <p>Apply for scholarships at UND by March 1</p> <ul style="list-style-type: none"> After admission submit application for campus-wide scholarships in UND's Scholarship Central 		
Second Year Second Semester		
	MATH 266: Introduction to Differential Equations	4
	Approved Global Perspective Course	3
	Approved Well-Being Course	2
	Approved Creative Expressions Course	3
	Approved Literature Course	3
	CHE 206: Unit Operations in Chemical Engineering*	3
	CHE 315: Engineering Statistics and Design of Experiments*	3
	Total Credits	21**

Take next steps to begin at UND

- Begin new student checklist at UND.edu/admitted
- Attend UND Transfer Student Orientation at UND.edu/orientation

Third Year | First Semester

	CHE 301: Introduction to Transport Phenomena	4
	CHE 303: Chemical Engineering Thermodynamics	4
	CHE 331: Chemical Engineering Laboratory II	2
	ENGR 206: Fundamentals of Electrical Engineering	3
	ENGR 340: Professional Integrity in Engineering	3
Total Credits		16

Third Year | Second Semester

	CHE 305: Separations	3
	CHE 321: Chemical Engineering Reactor Design	3
	CHE 232: Chemical Engineering Lab I	2
	CHE 332: Chemical Engineering Lab II	2
	CHE 102: Introduction to Chemical Engineering	2
	CHE 103: Computing Tools for Chemical Engineering	2
	CHEM 340/L: Survey of Organic Chemistry/Lab	4
Total Credits		19

Fourth Year | First Semester

	CHE 408: Process Dynamics and Control	3
	CHE 411: Plant Design I: Process Design and Economics	4
	CHE 431: Chemical Engineering Lab IV	3
	CHEM 470: Thermodynamics and Kinetics	3
	Advanced Chemical Science Elective	3
Total Credits		16

Apply to graduate from UND

- After registering for your last semester of courses, apply at UND.edu/commencement

Fourth Year | Second Semester

	CHE 412: Plant Design II: Process Project Engineering	5
	CHE 416: Chemical Product Design	3
	Advanced Chemical Science Elective	3
	LEAD 101: Learning Leadership	3
	Approved Technical Elective	3
	Approved Material Science Elective	3
Total Credits		20

*Course should be taken through collaborative agreement with UND through online/distance courses in the semester listed.

**Students should consult with DSU advisor about potential of taking summer courses to ease credit load in semester.

This information is provided as guide only. Students are strongly encouraged to meet with their major specific UND advisor.

An official evaluation of transfer credit will be done upon admission to the university. Transfer credits will be evaluated and applied according to the current catalog and the approved Essential Studies list at the first semester of enrollment at UND.

Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.

Students are required to fulfill UND graduation and GPA requirements to receive a degree and should consult with their UND advisor and the undergraduate catalog for details.