LEADERS CAN START ANYWHERE...

AND FINISH THEIR DEGREE AT UND

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

Catalog Year: 2022-2023

When you begin your Associate of Science Transfer Pathway at Williston State College.

Plan of Study: Bachelor of Science in Chemical Engineering

Begin courses at Williston State College		
First Year | First Semester		
	ENGL 110: College Composition I	3
	UNIV 100: College Strategies	1
	MATH 165: Calculus I	4
	CHEM 121/L: General Chemistry I L/L	5
	Approved ND Course: HUM/FA/HIST	3
	Total Credits	**16**
First Year | Second Semester		
	ENGL 120: College Composition II	3
	Wellness Course	2
	Approved ND Course: COMPSCI	3
	MATH 166: Calculus II	4
	CHEM 122/L:	5
	Total Credits	**17**
Second Year | First Semester		
	COMM 110: Fundamentals of Public Speaking	3
	MATH 265: Calculus III	4
	Approved ND Course: SS	3
	PHYS 251: University Physics I L/L	5
	CHE 102: Introduction to Chemical Engineering*	2
	CHE 201: Chemical Engineering Fundamentals*	3
	Total Credits	**20**
Apply to UND by April 15 • Complete online application at **UND.edu/transfer** • Request Williston State College transcripts here to be sent to UND. **Apply for scholarships at UND by March 1** • After admission submit application for campus-wide scholarships in UND's **Scholarship Central**		
Second Year | Second Semester		
	MATH 266: Introduction to Differential Equations	3
	Approved ND Course: SS	3
	PHYS 252: University Physics II L/L	5
	Approved ND Course: HUM/FA/HIST	3
	CHE 315: Engineering Statistics and Design of Experiments*	3
	CHE 206: Unit Operations in Chemical Engineering*	3
	Total Credits	**20**
Admitted? Take next steps to begin at UND • Begin new **Transfer Student Checklist**		

UNIVERSITY OF NORTH DAKOTA
LEADERS IN ACTION

Date Modified	10/2022
Questions? Contact:	UND College of Engineering & Mines UND.CEM.Advising@UND.edu (701) 777-2180

• Sign up for **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
	Approved Organic Chemistry Course	4-5
	Total Credits	**17/18**
Third Year | Second Semester		
	CHE 305: Separations	3
	CHE 321: Chemical Engineering Reactor Design	3
	CHE 332: Chemical Engineering Laboratory III	2
	ENGR 340: Professional Integrity in Engineering	3
	CHE 103: Computing Tools for Chemical Engineering	3
	CHE 232: Chemical Engineering Laboratory I	2
	Total Credits	**16**
Fourth Year | First Semester		
	CHE 411: Plant Design I: Process Design & Economics	4
	CHE 408: Process Dynamics & Control	3
	CHE 431: Chemical Engineering Laboratory IV	3
	CHEM 466: Fundamentals of Physical & Biophysical Chemistry	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
	Technical Elective	3
	Total Credits	**17**
	TOTAL CREDITS TO GRADUATE	**139-140**

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.

*Courses must be taken through UND (can be done so remotely) in order for sequencing of plan. Students can enroll through collaborative registration.

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