United Tribes Technical College

United Tribes Technical College/North Dakota State University Environmental Engineering Transfer Guide
Environmental Engineering Program: 132 credits
Effective Fall 2021

NDSU NORTH DAKOTA STATE UNIVERSITY

Purpose of the agreement:
The purpose of this agreement is to provide seamless articulation of academic credits for students who have either: 1) earned an Associate of Science (AS) in pre-engineering (environmental track) from United Tribes Technical College (UTTC) to be applied in a credit transfer towards a Bachelor of Science in environmental engineering (BSENVE) degree at North Dakota State University (NDSU) or 2) transfer of credit to the NDSU BSENVE degree program prior to obtaining the AS degree from UTTC (though, this is not recommended).

Student Information:
- UTTC students are encouraged to connect with NDSU admission and engineering advisors one full semester prior to transfer
  Engineering Advisor: Joel.Hanson@ndsu.edu **Transfer Recruitment:** john.e.hest@ndsu.edu
- UTTC students are encouraged to complete their Associates Degree prior to transferring to NDSU. Completing the Associates of Science (AS) degree prior to transferring will satisfy NDSU required lower division Gen Ed credits (39 credits) upon transfer.
- Visit www.ndsu.edu/transfer, select "Transfer Resources", then "Transfer Evaluation System (TES)", then navigate to UTTC to see UTTC/NDSU equivalencies.
- Additional course substitutions may be available. UTTC students must meet with a NDSU dept advisor to review transfer work.
- Program requirements change periodically. It is the student's responsibility to be in contact with advisors from both institutions to obtain the most current program information to help ensure a smooth transfer.
- The transfer tables below include the General Education equivalents between UTTC and NDSU (in the case that a student does not complete the A.S. degree at UTTC) and several engineering/science courses specific to the BSENVE degree: three ENVE courses (111, 211, and 250); CHEM 240; and, three ME courses (221, 222, and 223); that, if taken at UTTC, will transfer to the NDSU BSENVE program.

NDSU B.S. in Environmental Engineering Program NOTES:
- No grades less than "C" accepted in Statics, Dynamics, Mechanics of Materials, and Math courses
- Students transferring into Environmental Engineering are required to take either ENGR 311 (A) or ENGR 312 (B/G) regardless of Gen Ed completion.

English and Communication				
UTTC Course	**Cr**	**NDSU Equivalent**	**Cr**	**NDSU Gen Ed/Notes**
ENG 110 Composition	3	ENGL 110 Composition I	4	Communication (C)
ENG 120 Composition II	3	ENGL 120 Composition II	3	Communication (C)
COM 110 Fundamentals of Public Speaking	3	COMM 110 Fundamentals of Public Speaking	3	Communication (C)

Math				
UTTC Course	**Cr**	**NDSU Equivalent**	**Cr**	**NDSU Gen Ed/Notes**
MTH 129 Basic Linear Algebra*	3	MATH 129 Basic Linear Algebra	3	ENVE would substitute this for MATH 128 *being developed
MTH 165 Calculus I	4	MATH 165 Calculus I	4	Quantitative Reasoning
MTH 166 Calculus II	4	MATH 166 Calculus II	4	
MTH 265 Calculus III	4	MATH 259 Multivariate Calculus	3	
MTH 266 Differential Equations*	3	MATH 266 Differential Equations	3	*being developed

Chemistry, Physics, Engineering				
UTTC Course	**Cr**	**NDSU Equivalent**	**Cr**	**NDSU Gen Ed/Notes**
CHM 121 General Chemistry I/Lab	3/1	CHEM 121/L General Chemistry I/L	3/1	Science & Tech (S)
CHM 122 General Chemistry II/Lab	3/1	CHEM 122/L General Chemistry II/L	3/1	Science & Tech (S)

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CHM 341 Organic Chemistry	4	CHEM 341 Organic Chemistry I	3	ENVE program would substitute this for CHEM 240
ENR 201 Statics	3	ME 221 Engineering Mechanics I	3	
ENR 202 Dynamics	3	ME 222 Engineering Mechanics II	3	
ENR 203 Mechanics of Materials*	3	ME 223 Mechanics of Materials	3	*being developed
ENR 111 Introduction to Environmental Eng*		ENVE 111 Introduction to Environmental Eng	1	*being developed
ENR 211 Analysis and Design Methods for Env. Eng*		ENVE 211 Analysis and Design Methods for Env. Eng	1	*being developed
ENR 250 Fundamentals of Env. Eng*		ENVE 250 Fundamentals of Env. Eng	3	*being developed
GEO 105 Physical Geology	3	GEOL 105 Physical Geology	3	Science & Tech (S) (G)
PHY 252 Univ Physics II	4	PHYS 252 Univ Physics II	4	Science & Tech (S)

Humanities and Fine Arts (A), Social/Behavioral (B) – 6 credits each and Wellness (W) – 2 credits minimum – if the student does not transfer with an A.S. degree

UTTC Course	Cr	NDSU Equivalent	Cr	NDSU Gen Ed/Notes
The Humanities and Fine Arts	3	NEED 6 credits in each of the following categories: Humanities & Fine Arts and Social/Behavioral Sciences. Also need a Cultural Diversity (D) and a Global Perspectives (G) designated course. Certain (D) and (G; GEOL 105) courses double count for categories (A) and (B). *No more than 3 of the 6 Humanities & Fine Arts credits may be in fine arts performance. **Students transferring into Environmental Engineering are required to take either ENGR 311 (A) or ENGR 312 (B) regardless of Gen Ed completion.**		
The Humanities and Fine Arts	3			
History & the Social/Behavioral Sciences	3			
History & the Social/Behavioral Sciences	3			
			2/3	Wellness (W)

*These courses are "expected" transfer equivalencies as they are still under development.

This agreement is entered into on the 10th day of December 2020 and will commence for the fall 2021 academic semester. The agreement will be reviewed on an annual basis.

Kelly A. Rusch Digitally signed by Kelly A. Rusch Date: 2020.12.10 10:36:07 -06'00'

Kelly A. Rusch, Associate Chair for ENVE, NDSU (date)

Alexa Azure Digitally signed by Alexa Azure Date: 2020.12.15 14:34:30 -06'00'

Alexa Azure, Pre-Engineering Instr., UTTC (date)

David R. Steward Digitally signed by David R. Steward Date: 2020.12.10 11:11:02 -06'00'

David Steward, Chair CEE, NDSU (date)

Leah Hamann Digitally signed by Leah Hamann Date: 2020.12.15 15:00:21 -06'00'

Leah Hamann, Dean of Instruction, UTTC (date)

Mike Kessler 12/11/2020

Mike Kessler (or Scott Pryor), CoE, NDSU (date)

Lisa J Azure Digitally signed by Lisa J Azure Date: 2020.12.20 06:55:12 -06'00'

Lisa J. Azure, VP of Academic Affairs, UTTC (date)

Margaret Fitzgerald 12/28/2020

Margaret Fitzgerald, Provost, NDSU (date)