United Tribes Technical College/Navajo Technical University
Environmental Engineering Transfer Guide
Environmental Engineering Program: 124 Credits
Effective Fall, 2022

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 (A.S.) degree in pre-engineering (environmental track) from United Tribes Technical College (UTTC) to be applied in a credit transfer towards a Bachelor of Science degree in environmental engineering (BSENVE) at Navajo Technical University (NTU) or 2) transfer of credit to the NTU 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 the NTU admission and Environmental engineering coordinator/advisor one full semester prior to transfer **Environmental Engineering Coordinator/Advisor:** ojohnson@navajotech.edu
- UTTC students are encouraged to complete their Associates degree requirements prior to transferring to NTU. Completing the Associates of Science (A.S.) degree prior to transferring will satisfy NTU required lower division Gen Ed credits (30 credits) upon transfer.
- Additional course substitutions may be available. UTTC students must meet with an NTU dept coordinator/advisor to review transfer work.
- Visit www.navajotech.edu, UTTC/NTU equivalencies will be included in the NTU's Environmental Engineering website.
- Program requirements change periodically. It is the student's responsibility to be in contact with the program coordinators/advisors from both institutions to obtain the most current program information to ensure a smooth transfer.
- The transfer tables below include the Mathematics/Science, Engineering, and General Education equivalents between UTTC and NTU. In case that a student does not complete the A.S. degree at UTTC and several engineering/science courses specific to the BSENVE degree, the NTU program coordinator/advisor will evaluate the student's courses and recommend a checklist specific to the student for the NTU BSENVE degree track.
- For the NTU and UTTC detail course descriptions, visit www.navajotech.edu and Home - United Tribes Technical College (uttc.edu).

NTU B.S. in Environmental Engineering Program NOTE:
No grades less than "C" will be accepted in any of the courses being transferred.

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UNITED TRIBES TECHNICAL COLLEGE

NAVAJO TECHNICAL UNIVERSITY

NAVAJO TECHNICAL UNIVERSITY
Environmental Engineering- B.S. ENVE Degree Program, Effective Fall, 2022

Student Name: _____ **ID Number:** _____

Advisor: _____ **Catalog Year Entered:** _____

Environmental Engineering Program Checklist	NTU Crd	NTU Prerequisite	UTTC Equivalent (Credits)	Credit
Semester 1	**17**			**13**
ENGR-123 Computer Skills for Engineering	3			
ENGR-130 Engineering Graphics	3			
CS-101 Programming I	3		CSC-160 Computer Science I	4
ENGL-1110 Composition I	3	*ENG-98 or Accuplacer*	ENG 110 Composition I	3
SSC-100 College Success Skills	1		FND 106 First yr Experience & Healthy Living	2
MATH-1510 Calculus I	4	*MATH-1230 or Accuplacer*	MTH 165 Calculus 1	4
Semester 2	**16**			**14**
ENGR-103 Introduction to Engineering	3	*MATH-1220*	ENR-116 Introduction to Engineering	3
ENGR-169 Basic Statistics & Probability	3	*MATH-1510*	MTH-210 Elementary Statistics	3
EE-101 Fundamentals of Electrical Engineering	3	*CS-101*		
GIT-105 Arc-GIS	3	*ENGR-130*	GIS 105-Fundamentals of GIS	3
PHYS-1310C & L Calculus-Based Physics	4	*MATH-1510*	PHY-252/L University Physics II	5
Semester 3	**17**			**14**
MATH-1520 Calculus II	4	*MATH-1510*	MTH-166 Calculus II	4
CHEM-1217C & L Principles Chemistry I	4	*MATH-1220/CHEM-1120C*	CHM-121/L General Chemistry	4
ENGL-1120 or ENG-1210 Comp II or Tech Comms	3	*ENGL-1110*	ENG-120 Composition II	3
ENVE-2110 Fundamentals of Environ. Engineering	3	*ENGR-103*	ENR-250 Fundamental of Environmental Engr	3
ENGR-236: Inferential Engineering Statistics	3	*ENGR-169*		
Semester 4	**16**			**13**
NAV-XXX or NAVA-XXXX Dine Studies Course	3		NAS-Course	3
CHEM-1225C General Chemistry II	4	*CHEM-1217C*	CHM-122/L General Chemistry II	4
ENVE-XXX Applications of Biology to Engineering	3	*CHEM-1120/PHYS-1230C*		
MTH-310: Differential Equations	3	*MATH-1520*	MTH-266 Differential Equations	3
COM-130: Public Speaking	3		COM-110 Fundamentals of Public Speaking	3
Semester 5	**16**			**7**
IE-380: Project Management	3	*Junior Standing*		
ENVE-3XX Soil Mechanics	3			
CHEM-2130 C & L Organic Chemistry I	4	*CHEM-1225C*	CHM-240/L Organic Chemistry	4
MTH-410 Linear Algebra	3	*MATH-1520*	MTH 129-Basic Linear Algebra	3
ME-353 Fluid Mechanics	3	*PHYS-1230 C/MATH-1510*		
Semester 6:	**13**			**7**
HUM-170: History of Native Americans in Media	3		HUM 191 Hist-Culture Sioux Nation	3
HST-211: Am. Hist. 1877 to present	3	*ENG-98*		
GEOL-1120C & L Environmental Geology	4		GEO 105-Physical Geology/Lab	4
Fine Arts Creative Course	3			
Semester 7	**14**			**0**
ENVE-403 Water & Wastewater Treatment System Design	3	*CHEM-2130C*		
ENV-425 Advance Environmental Law	3	*CHEM-2130C*		
ENVE-481 Hydrogeology	3	*GEOL-1120C/ME-353*		
ENVE-442 Environmental Engineering Lab	2	*CHEM-2130C*		
ENVE-455 Fate & Transport Process in Environ Engr	3	*ENVE-2110/ME-353*		
Semester 8	**12**			**0**
ENVE-429 Capstone	3	*IE-380/ENVE-481*		
ENVE-468 Air Pollution Control	3	*ENVE-455*		
ENVIRONMENTAL Elective	3			
ENVE-XXXX: Hazardous Waste Management & Risk Asse	3	*CHEM-2130/GEOL-1120C*		
Summer Semester	**3**			**0**
ENVE-312: Summer Internship	3			
Total Credit Hours required for degree	**124**		**Total UTTC possible transfer credit*** **	65

Suggested Technical Electives: ENVE-XXX Environmental Organic Chemistry; ENVE-XXX Clay Minerals; ENVE-XXX Radioactive Waste Management; ENVE-XXX Green Chemistry; ENVE-XXX Methods of Materials Characterization

Signatures		Date
Student:		
Advisor:		
Registrar:		

This checklist is to be used as information and NTU reserves the right to change at any time without notification.

*** Less UTTC credit over the NTU credits

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This agreement is entered into on Wednesday, June 22, 2022 and will commence for the fall 2022 academic semester.

6-27-22	8-29-22
Dr. Elmer J. Guy, President, NTU — Date	Dr. Leander McDonald, President, UTTC — Date
6.27.22	8-25-22
Dr. Colleen W. Bowman Ed.D., Provost, NTU — Date	Lisa J. Azure, VP of Academic Affairs, UTTC — Date
6/27/2022	8/24/22
Casmir Agbaraji PhD, Dean of Undergraduate, NTU — Date	Sheridan McNeil, Dean of Instruction, UTTC — Date
6/27/22	8/24/22
Olanrewaju Johnson PhD, EnvE Coordinator, NTU — Date	Alexa Azure, Pre-Engineering Instr., UTTC — Date