



ASSOCIATE OF SCIENCE DEGREE PROGRAM

Sustainable Energy

Sustainable Energy includes renewable energy sources (such as solar energy, wind energy, and energy from biomass) and technologies designed to improve energy efficiency. NHSC offers degrees in Sustainable Energy Technologies (SET). This program will provide you with the education needed to become solar installers, technicians and operators of both Solar and Wind technologies.

Cohort members engage in a two-year program leading to an Associate of Science in Sustainable Technologies Management.

After earning an Associate of Science Degree, cohort members have the option to continue on at NHSC for a Bachelor of Science in Environmental Science or transfer out.

Career paths available with a Sustainable Energy Technologies Associate of Science Degree compliments:

- Civil Engineering
- Construction Management and Engineering
- Industrial and Manufacturing Engineering
- Electrical and Computer Engineering
- Mechanical Engineering and Applied Mechanics
- Environmental Science
- Environmental Geoscience

TOGETHER WE THRIVE

Start Your Career Today!



701-627-4738 | NHSC.EDU

301 College Drive, New Town, ND 58763

GENERAL EDUCATION COURSES

COURSE/TITLE		CREDITS
ENGLISH & SPEECH (9)		
COMM 110	Fundamentals of Public Speaking	3
ENG 110	Composition I	3
ENG 120	Composition II	3
FOUNDATIONS & FITNESS (2)		
PSY 100	Psychology of Student Success	1
ASMT 200	Assessment of Student Learning	1
HUMANITIES & NATIVE AMERICAN STUDIES (6)		
NAS 201	History of TAT	3
NAS 113/115 or 117	Hidatsa, Mandan, Arikara	3
MATH, SCIENCE & TECHNOLOGY (11 AS ADVISED)		
MA 103 (or above)	College Algebra	4
CHEM 121	General Chemistry I	4
CSCI 101	Introduction to Computers	3
SOCIAL/BEHAVIORAL SCIENCE (6 AS ADVISED)		
POLS 234	Basic Indian Law	3
PSY 111 or SOC 110	Intro. to Psych or Intro. to Soc.	3
WELLNESS (2 AS ADVISED)		

CORE REQUIREMENTS

COURSE/TITLE		CREDITS
SET 101	Intro. to Sustainability	3
SET 102	Intro. to Wind	3
SET 110	Basic Electronics	4
SET 201	Energy Efficiency	3
SET 121	Photo Voltaics I	3
SET 221	Photo Voltaics II	3

ELECTIVES

ENVIRONMENTAL SCIENCE CONCENTRATION (12) AS ADVISED		
BIO 150	Biology I	4
BIO 151	Biology II	4
SOIL 210	Intro to Soil Science	4
CHEM 122	General Chemistry II	4
MA 105	Trigonometry	2
ENGINEERING CONCENTRATION (12) AS ADVISED		
MA 129	Elementary Linear Algebra	3
MA 165	Calculus I	4
MA 166	Calculus II	4
MA 265	Calculus III	4
ENGR 115	Intro to Engineering	4
ENGR 201	Statics	3
ENGR 202	Dynamics	3
ME 223	Mechanics of Material	3
EE 206	Circuits I	4

<i>Total General Education Requirements Required</i>	36
<i>Total Core Required Credits</i>	16
<i>Electives</i>	12
<i>Total Degree Credits</i>	64

