



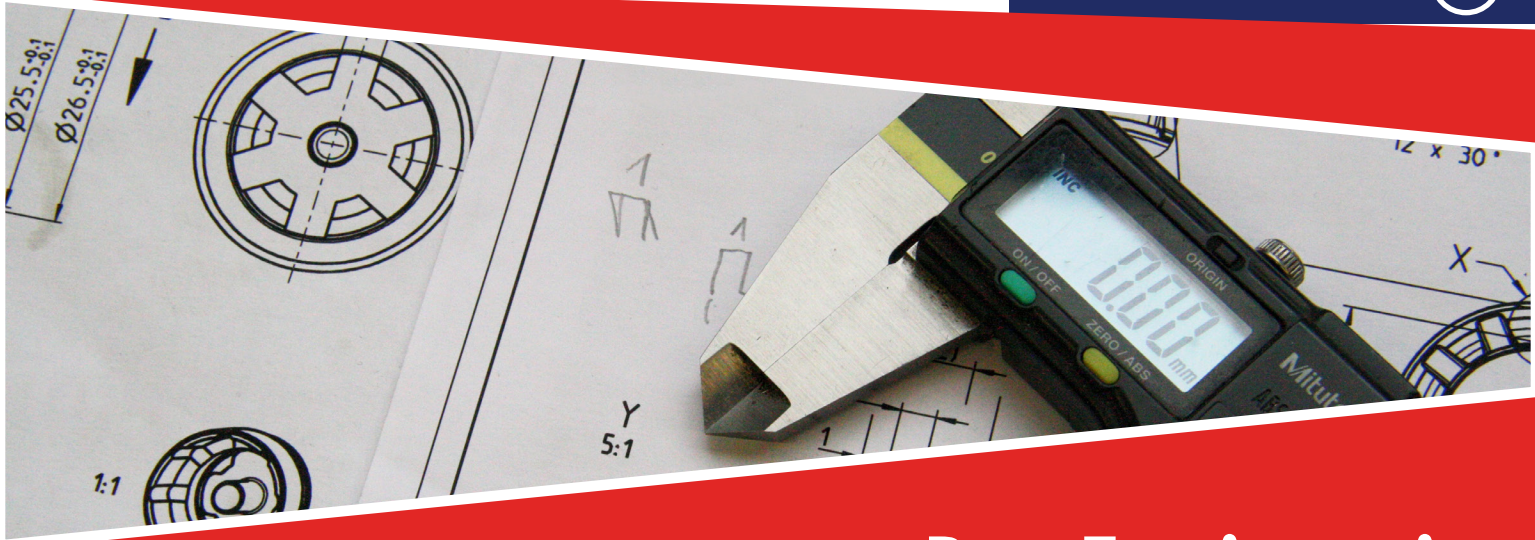
**CANKDESKA CIKANA
COMMUNITY COLLEGE**
Serving Spirit Lake Tribe 1974-2024

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214 First Avenue
Fort Totten, ND 58335



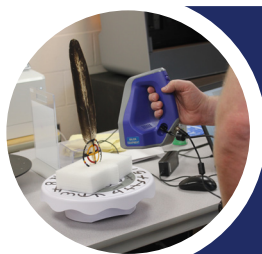



Pre-Engineering



Innovative

Innovation is at the heart of engineering design-to create a new way of performing a task, big or small!



Technology

The latest technology is incorporated into our program in order to produce students who can compete in the modern day workforce.



Skillful

Actual skill sets needed in industry are attained with the help of hands-on technology in the form of software and hardware.



Manager

Most engineers will become managers to some degree. This requires leadership skills and the ability to work with others.



About

The Associate of Science (AS) in Pre-Engineering is designed for students who intend to obtain a four year degree in engineering. Students should be aware that most pre-engineering courses have mathematics and science prerequisites and that improper scheduling of courses can lengthen the time required to complete the degree.



Why Choose CCCC?

- Affordable*
- Smaller Class Sizes*
- Fully Accredited - Credits Transfer*
- Financial Aid, Apprenticeships & Scholarships Available*
- Qualified & Dedicated Instructor*



Program of Study

Essential Studies

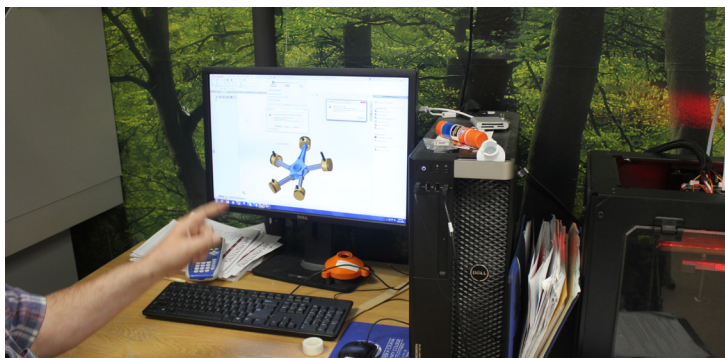
ENGL100 Student Success
 ENGL110 College Composition I
 ENGL120 College Composition II
 COMM110 Fundamentals of Public Speaking
 Fine Arts, Humanities or History
 Social Science or History (2)
 CSCI101 Introduction to Computers
 MATH165 Calculus I
 MATH166 Calculus II
 Lab Science
 Corresponding Lab for Lab Science
 DSL250 Dakota Language I
 DS110 Dakota Culture and History

Core Classes

ENGR116 Introduction to Engineering
 ENGR117 CADD-Computer Aided Design & Drafting
 ENGR204 Surveying
 MATH129 Basic Linear Algebra
 MATH265 Calculus III
 MATH266 Differential Equations
 ME221 Engineering Mechanics I (Statics)
 ME222 Engineering Mechanics II
 Program Electives

Electives

AM101 3D Modeling for Advanced Manufacturing
 AM201 AM Functional Prototyping and Project Management
 CHEM121 General Chemistry
 CHEM121L General Chemistry Lab
 ENGR275 Digital Systems
 ENGR290 Manufacturing Processes
 GEOL105 Physical Geology
 GEOL105L Physical Geology Lab
 ME223 Mechanics of Materials
 ME250 Thermodynamics and Heat Transfer
 PHYS251 University Physics I
 PHYS251L University Physics I Lab
 PHYS252 University Physics II
 PHYS252L University Physics II Lab



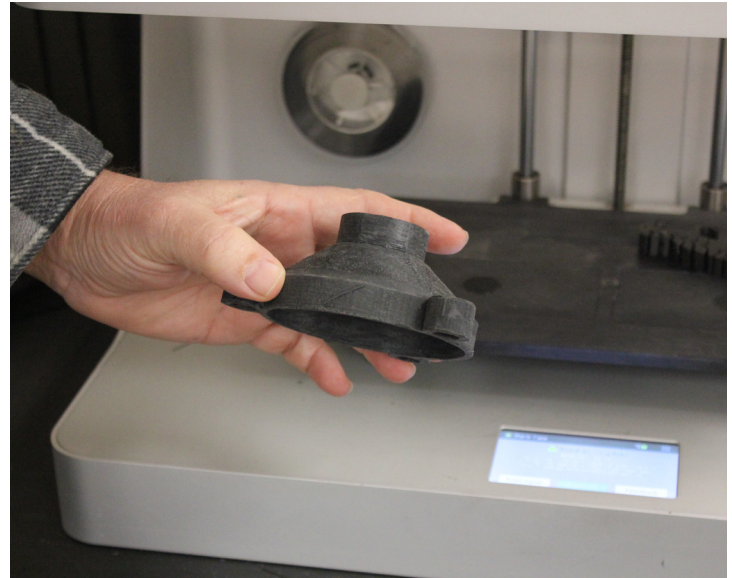
10/02/24



Other Information

Labor Statistics

2018 Annual Median Wages for Engineers in North Dakota.
 Civil Engineer - \$83,460; Electrical Engineer - \$89,680;
 Environmental Engineer - \$76,770; Industrial Engineer -
 \$79,980; Mechanical Engineer - \$75,770; Petroleum Engineer
 - \$124,880



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College Information

Cankdeska Cikana
 (Chaun - GDEH - sh' kah - CHEE -kan -nah)
 n. (Little Hoop)

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@CankdeskaCikanaCC

Think Dakota



Live Dakota