



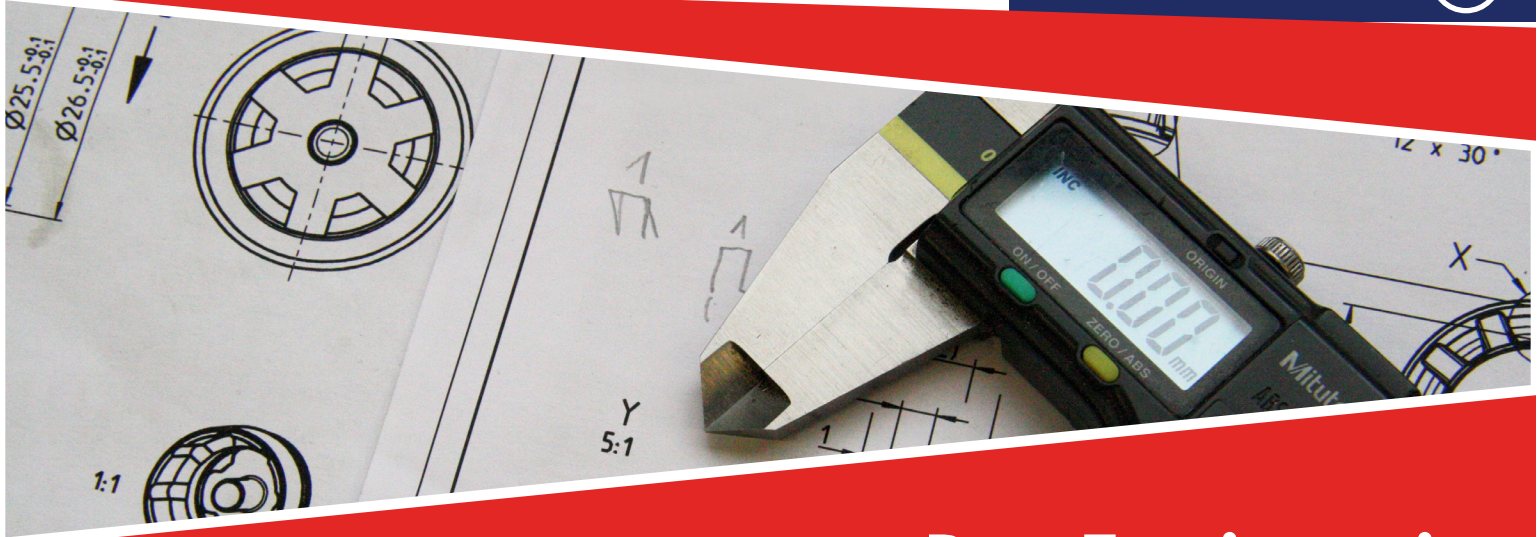
CANKDESKA CIKANA COMMUNITY COLLEGE

Serving Spirit Lake Tribe 1974-2024

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214 First Avenue
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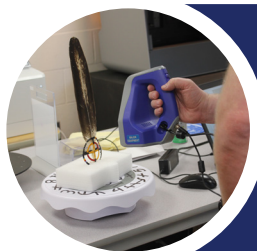


Pre-Engineering



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

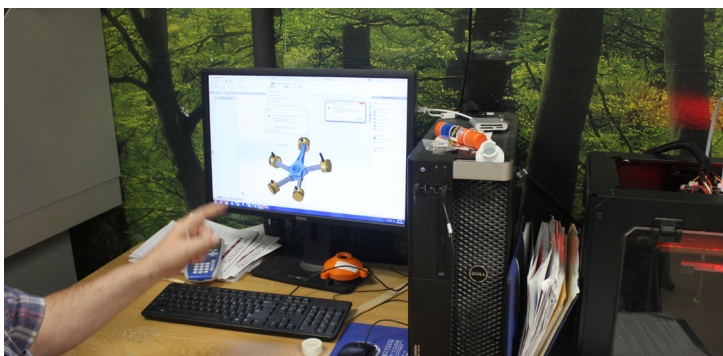
- ENGL100 Student Success
- ENGL110 College Composition I
- ENGL120 College Composition II
- COMM110 Fundamentals of Public Speaking
- Fine Arts, Humanities or History
- Social Science or History (2)
- CSCI101 Introduction to Computers
- MATH165 Calculus I
- MATH166 Calculus II
- Lab Science
- Corresponding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



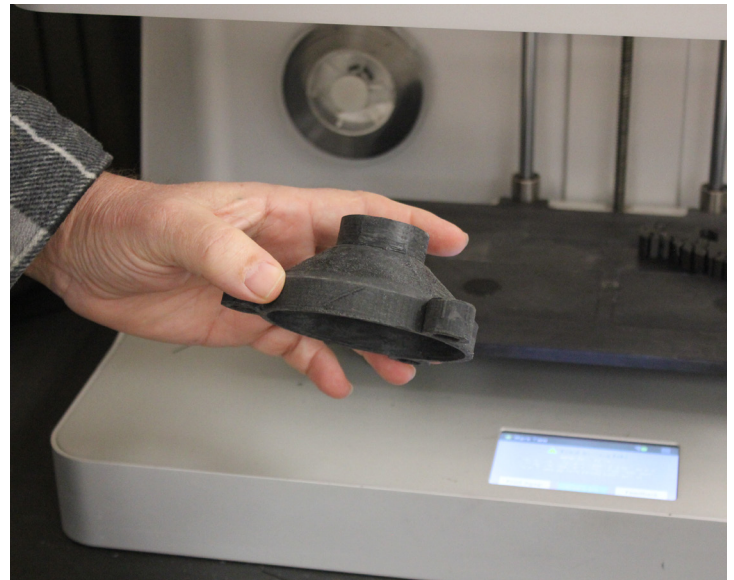
02/14/24



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