

## **GUARANTEED ADMISSION AGREEMENT**

Towards the  
**MECHANICAL ENGINEERING  
CIVIL ENGINEERING, or  
AGRICULTURAL and BIOSYSTEMS ENGINEERING  
Bachelor of Science Degrees**

Between  
NORTHERN STATE UNIVERSITY (NSU)  
and  
SOUTH DAKOTA STATE UNIVERSITY (SDSU)

### **I. Parties**

The parties to this agreement are South Dakota State University (SDSU), Brookings, SD and Northern State University (NSU), Aberdeen, SD.

### **II. Purpose**

The purpose of this agreement is to:

- A. have a signed agreement that addresses the varying needs of students and complementary nature of the institutions' programs;
- B. provide increased educational opportunities for students from the region;
- C. extend and clarify educational opportunities for students; and
- D. provide NSU students who have completed the required pre-requisite coursework an opportunity to pursue and earn a Bachelor of Science degree in Mechanical, Civil, or Agricultural & Biosystems Engineering from SDSU.

### **III. Academic Program**

- A. Upon successful completion of the required pre-requisite coursework specified below, SDSU will offer guarantee of admission to one of the engineering programs listed in this agreement and accept up to 70 credits from NSU students. Students must successfully complete these courses with a "C" or higher at NSU prior to transferring to SDSU for this agreement to apply. Students must meet all South Dakota Board of Regents policies and university graduation requirements in order to receive a degree.
- B. Requirements to be completed at NSU and SDSU to earn a Bachelor of Science with a major in Mechanical, Civil, and Agricultural & Biosystems Engineering are outlined below.
- C. Students retain the right to transfer from NSU to SDSU at any point, in accordance with SDBOR policies.

## NSU Coursework: Mechanical Engineering Pathway

(Completed at NSU unless otherwise noted)

Prefix + Number	Course	Prerequisites/Notes	Credits
CHEM 112/112L	General Chemistry I		4
ECON 201	Principles of Microeconomics (SGR#3)		3
EM 214	Statics (offered online by SDSU)	MATH 123	3
EM 215	Dynamics (offered online by SDSU)	EM 214	3
EM 321	Mechanics of Materials (offered online by SDSU)	EM 214	3
ENGL 101	Composition I		3
ENGL 201	Composition II	ENGL 101	3
MATH 123	Calculus I	MATH 115+	4
MATH 125	Calculus II	MATH 123	4
MATH 225	Calculus III	MATH 125	4
MATH 321	Differential Equations	MATH 125	3
MATH 331	Advanced Engineering Math	MATH 321	3
PHYS 211/211L	Physics I	MATH 123	4
PHYS 213/213L	Physics II	PHYS 211	4
SPCM 101	Fundamentals of Speech		3
Math 381	Intro to Probability & Stats	Math 125	3
XXX	SGR #3	(SGR #3)	3
XXX	SGR #4	(SGR #4)	3
XXX	SGR #4	(SGR #4)	3
			<b>63</b>

### [SDSU Mechanical Engineering Curriculum](#)

## NSU Coursework: Civil Engineering Pathway

(Completed at NSU unless otherwise noted)

Prefix + Number	Course	Prerequisites/Notes	Credits
CHEM 112/112L	General Chemistry I & Lab		4
CHEM 114	General Chemistry II	CHEM 112	3
EM 214	Statics (offered online by SDSU)	MATH 123	3
EM 215	Dynamics (offered online by SDSU)	EM 214	3
EM 321	Mechanics of Materials (offered online by SDSU)	EM 214	3
ENGL 101	Composition I	(SGR #1)	3
ENGL 201	Composition II	ENGL 101	3
MATH 123	Calculus I	MATH 115 or 120+	4
MATH 125	Calculus II	MATH 123	4
MATH 225	Calculus III	MATH 125	4
MATH 321	Differential Equations	MATH 125	3
MATH 381	Introduction to Probability & Stats.	Math 125	3
PHYS 211	Physics I & Lab	MATH 123	4
PHYS 213	Physics II & Lab	PHYS 211	4
SPCM 101	Fundamentals of Speech	(SGR #2)	3
XXX	SGR #3	(SGR #3)	3
XXX	SGR #4	(SGR #4)	3
XXX	SGR #3	(SGR #3)	3
XXX	SGR #4	(SGR #4)	3
			<b>63</b>

### [SDSU Civil Engineering Curriculum](#)

## NSU Coursework: Agricultural and Biosystems Engineering Pathway

(Completed at NSU unless otherwise noted)

Prefix + Number	Course	Prerequisites/Notes	Credits
BIOL 101/101L	Biology Survey		3
CHEM 108/108L or 326/326L	Organic & Biochemistry or Organic Chemistry I	CHEM 106 or CHEM 112 or CHEM 114	4
CHEM 112/112L	General Chemistry I	MATH 114 or higher	4
EM 214	Statics (offered online by SDSU)	MATH 125	3
EM 215	Dynamics (offered online by SDSU)	EM 214	3
EM 321	Mechanics of Materials (offered online by SDSU)	EM 214	3
ENGL 101	Composition I	(SGR #1)	3
ENGL 201	Composition II	(SGR #1)	3
MATH 123	Calculus I	(SGR #5)	4
MATH 125	Calculus II	MATH 123	4
MATH 225	Calculus III	MATH 125	4
MATH 321	Differential Equations	MATH 125	3
PHYS 211/211L	Physics I	MATH 123	4
PHYS 213/213L	Physics II	PHYS 211/ MATH 123	4
SPCM 101	Fundamentals of Speech	(SGR #2)	3
MATH 281 or MATH 331 or MATH 381	Intro to Stats or Advanced Engineering Math or Intro to Prob and Stats	281: MATH 114 or higher 331: MATH 321 381: MATH 125	3
CSC 130 or 150	Visual Basic or CSC I		3
XXX	XXX	(SGR #3)	3
XXX	XXX	(SGR #3)	3
XXX	XXX	(SGR #4)	3
XXX	XXX	(SGR #4)	3
			<b>70</b>

### [SDSU Agricultural and Biosystems Engineering Curriculum](#)

Additional requirements:

- Students transferring from NSU must have a cumulative GPA of "C" (2.0 on a 4.0 scale). Any course taken at NSU with a grade below a "C" must be retaken at SDSU if required for the SDSU engineering programs.

#### **IV. Obligations**

Both parties agree to confer with each other on a regular basis regarding changes in curricula involved in this agreement. Additionally:

- A. NSU will develop advising sheets and related materials delineating educational pathways for students to complete one of the designated SDSU engineering degrees;
- B. NSU will provide advising to students pursuing one of the designated SDSU engineering degrees while enrolled as NSU students;
- C. NSU will market these educational pathways in cooperation with SDSU; all marketing materials need to be approved by both NSU and SDSU;
- D. SDSU will support the development of EM 214 Statics, EM 215 Dynamics, and EM 321 Materials for online delivery and teach those courses annually with EM 214 and EM 215 ready for initial online offerings in fall 2020
- E. NSU will help support a student-mentorship program (e.g., student instructors) to facilitate select coursework mastery.

#### **V. Modifications**

This agreement may be modified from time to time by the South Dakota Board of Regents. Modifications may not diminish the entitlements enjoyed by students who have already attended classes delivered under the terms of earlier versions of the agreement, except in rare instances in which retroactive implementation of modifications may be required to comply with accreditation standards or to conform to professional licensure requirements.

#### **VI. Effective Date of Agreement**

This agreement will go into effect at the start of the Fall 2020 semester term at NSU and SDSU.

**VII. Acceptance of Agreement**

For South Dakota State University:



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Dean, Jerome J. Lohr College of Engineering

Date: 4/30/2020



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Provost and Vice President for Academic Affairs

Date: 5/1/2020

  
\_\_\_\_\_  
President

Date: 5-5-2020

For Northern State University:



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Dean

Date: 4/30/3030



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Provost and Vice President for Academic Affairs

Date: April 30, 2020

  
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Date: 4/30/2020