

# PROGRAM TO PROGRAM ARTICULATION AGREEMENT

Between  
LAKE AREA TECHNICAL COLLEGE  
and  
SOUTH DAKOTA STATE UNIVERSITY

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Agreement with Respect to Applying the  
**Robotics**  
**Associate of Applied Sciences Degree Program at LATC**  
Toward the  
**Operations Management**  
**Bachelor of Science Degree Program at SDSU**

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## I. Parties

The parties to this agreement are South Dakota State University (SDSU), Brookings SD and Lake Area Technical College (LATC), Watertown SD.

## II. Purpose

The purpose of this agreement is to:

- A. have a signed articulation agreement that addresses the varying needs of students and complementary nature of the institutions' programs;
- B. provide increased educational opportunities for students from South Dakota and the region;
- C. extend and clarify educational opportunities for students; and
- D. provide LATC students who have completed the A.A.S. degree in Robotics an opportunity to earn a Bachelor of Science degree with a major in Operations Management (Manufacturing emphasis).

## III. Academic Program

Graduation Requirements for the BS in Operations Management at SDSU

Operations Management Major requirements:	55
General Education (SGR & IGR) credits:	30
<u>Block Transfer credits from LATC Robotics:</u>	<u>35</u>
<b>Total Credits Required:</b>	<b>120</b>

- A. Upon successful completion of the major requirements specified in III.B. below, SDSU will accept **35 technical course credits** from the A.A.S. degree in Robotics for students majoring in Operations Management. Students must successfully complete the A.A.S. degree prior to transferring to SDSU for the block transfer course credits to be accepted. *General Education coursework is in addition to the 35 technical course credits.* Students must meet all Board of Regents policies and university graduation requirements in order to receive a degree.

- B. Requirements to be completed at SDSU to earn a Bachelor of Science degree with a major in Operations Management are outlined below.

Major requirements: 26 credits

- 1.MNET 367/L, Production Strategy & Lab (3 credits)
- 2.MNET 460, Manufacturing Cost Analysis (3 credits)
- 3.OM 425, Production / Operations Management (3 credits)
- 4.OM 462, Quality Control (3 credits)
- 5.OM 463, Supply Chain Management (3 credits)
- 6.OM 465, Quality Control Applications (3 credits)
- 7.OM 469, Project Management (2 credits)
- 8.OM 471, Capstone Experience (2 credits)
- 9.OM 494, Internship (3 credits)
- 10.OM 490, Seminar (1 credit)

Required Support Courses: 29 credits

- 1.ACCT 210, Principles of Accounting I (3 credits)
- 2.ACCT 211, Principles of Accounting II (3 credits)
- 3.BADM 360, Organization & Management (3 credits)
- 4.CSC 325, Management Information Systems (3 credits)
- 5.FIN 310, Business Finance (3 credits)
- 6.GE 425, Occupational Safety & Health Management (3 credits)
- 7.HRM 460, Human Resource Management OR  
LEAD 435 Organizational Leadership &Team Development (3 credits)
- 8.MATH 121/L, Survey of Calculus & Lab (5 credits)
- 9.STAT 281, Introduction to Statistics (3 credits)

The general education coursework to meet South Dakota Regental System General Education Requirements (SGR) and SDSU Institutional Graduation Requirements (IGR) must also be completed as outlined below. ***This coursework may be taken at LATC if equivalent courses are available.*** Please note that BOR Policy 2.5.13 states: “Total transfer credit for work at a two-year technical or community college may not exceed one-half of the hours required for completion of the baccalaureate degree at the accepting institution.” *For the BSOM program, that number is 60 credits.*

General Education (SGR) Courses: 30 credits

1. Must include ENGL 101, Composition I, (SGR 1) (3 credits)
2. Must include ENGL 277, Technical Writing in Engineering (SGR 1) (3 credits)
3. Must include SPCM 101, Fundamentals of Speech, (SGR 2) (3 credits)
4. Must include ECON 201, Principles of Microeconomics (SGR 3) (3 credits)
5. Must include MATH 114, College Algebra (SGR 5) (3 credits)
6. Must include CHEM 106/L Chemistry Survey (4 credits) [2 credits count toward OM major – applied to block transfer]
7. Must include PHYS 111/L, Introduction to Physics I & Lab (SGR 6) (4 credits)
8. The remaining nine (9) credits must meet SGR 3 Social Sciences/Diversity (3 credits) and SGR 4 Humanities and Arts/Diversity (6 credits) requirements and be selected from the approved list of courses specified in the SDSU Catalog.

**Total number of credits at SDSU: 85**

**Transfer credits from LATC: 35\***

**Total credits required: 120**

\*Transferable general education courses can be completed at LATC to a maximum of 60 transferrable credits.

Additional requirements:

1. Students transferring from Lake Area Technical College must have a cumulative GPA of “C” (2.0 on a 4.0 scale) and no course grade below a “C” (2.0 on a 4.0 scale).

**IV. Obligations**

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

**V. Modifications**

This agreement may be modified from time to time by the South Dakota Board of Regents and Lake Area Technical College. 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 LATC and SDSU. The agreement applies to students who graduated from LATC in 2005 and subsequent years.

**VII. Acceptance of Agreement**

For South Dakota State University:

Doc uSi gned by:  
 Date: 10/2/2019 | 12:46 PDT  
Dean, Jerome J. Lohr College of Engineering

 Date: 10-4-2019  
Provost and Vice President for Academic Affairs

For Lake Area Technical College:

 Date: September 25, 2019  
Lake Area Technical College