

# PROGRAM TO PROGRAM ARTICULATION AGREEMENT

Between  
LAKE AREA TECHNICAL INSTITUTE  
and  
SOUTH DAKOTA STATE UNIVERSITY

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Agreement with Respect to Applying the  
**Robotics**  
Associate of Applied Sciences Degree Program at LATI  
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 Institute (LATI), 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 LATI 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:	57
General Education (SGR & IGR) credits:	37
Block Transfer credits from LATI Robotics:	26
<b>Total Credits Required:</b>	<b>120</b>

- A. Upon successful completion of the major requirements specified in III.B. below, SDSU will accept 26 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 in Robotics from LATI prior to transferring to SDSU for the block transfer course credits to be accepted. *General Education coursework is in addition to the 26 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 : 25 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 Management (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/L\*, Capstone Experience & Lab (2 credits) \*meets Advanced Writing (AW) requirement
9. OM 494 – Internship (3 credits)

Required Support Courses: 32 credits

1. ACCT 210, Principles of Accounting I (3 credits)
2. ACCT 211, Principles of Accounting II (3 credits)
3. GE 425, Occupational Safety & Health (3 credits)
4. MATH 121/L, Survey of Calculus & Lab (5 credits)
5. MGMT 310, Business Finance (3 credits)
6. MGMT 325, Management Information Systems (3 credits)
7. MGMT 360, Organization & Management (3 credits)
8. MGMT 460, Human Resource Management (3 credits)
9. STAT 281, Introduction to Statistics (3 credits)
10. STAT 441, Statistical Methods II (3 credits)

The general education coursework to meet South Dakota Regental Systems General Education Requirements (SGR) and SDSU Institutional Graduation Requirements (IGR) must also be completed as outlined below. ***This coursework may be taken at LATI if equivalent courses are available.*** Please note that BOR Policy 2.5.12 states: "Total transfer credit for work at a junior, community college (2 year), and/or two-year technical 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 & IGR) Courses: 37 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 202, Principles of Macroeconomics (SGR 3) (3 credits) – meets globalization (G) requirement
5. Must include MATH 102, College Algebra (SGR 5) (3 credits)
6. Must include CHEM 106/106L, Chemistry Survey & Lab (SGR 6) (4 credits)
7. Must include PHYS 101/101L, Survey of Physics I & Lab(SGR 6) (4 credits) [2 credits count toward OM major]
8. Must include GE 109/109L, First Year Seminar & Lab, (IGR 1) (2 credits)
9. Must include GE 231, Technology Society & Ethics, (IGR 2) (3 credits)
10. 9 remaining credits must meet System General Education requirements, Institutional Graduation requirements and be selected from the approved list of courses specified in BOR policy 2:7.

**Total number of credits at SDSU: 94**

**Transfer credits from LATI: 26\***

**Total credits required: 120**

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

Additional requirements:

1. Students transferring from Lake Area Technical Institute 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).
2. In accordance with BOR policy 2:28, students must demonstrate satisfactory performance in writing, mathematics, reading and science reasoning as evidenced by receiving a passing score on all sections of the Collegiate Assessment of Academic Proficiency (CAAP) exam. The exam must be taken during the first semester of enrollment at SDSU.

**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 Institute with approval by the South Dakota Board of Education. 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. Incorporation of Terms in Master Agreement**

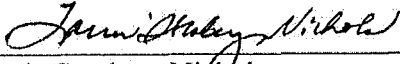
The parties have entered into the present agreement pursuant to the agreement of December 14, 2004 between the Watertown Board of Education on behalf of Lake Area Technical Institute and the South Dakota Board of Regents on behalf of Black Hills State University, Dakota State University, Northern State University and the University of South Dakota. This agreement shall be subject to all terms and conditions stated in the December 14, 2004 agreement.

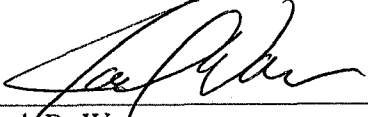
**VII. Effective Date of Agreement**

This agreement will go into effect at the start of the Spring 2013 semester term at LATI and SDSU. The agreement applies to students who graduated from LATI in 2005 and subsequent years.


**VIII. Acceptance of Agreement:**

For South Dakota State University:

 Date: 2-21-2013  
Laurie Stenberg Nichols  
Provost and Vice President for Academic Affairs

 Date: 5/21/13  
Jack R. Warner  
Executive Director, South Dakota Board of Regents

For Lake Area Technical Institute:

 Date: 20 February 2013  
Deborah Shephard  
President, Lake Area Technical Institute