PROGRAM TO PROGRAM ARTICULATION AGREEMENT
Between
WESTERN IOWA TECHNICAL COMMUNITY COLLEGE
and
SOUTH DAKOTA STATE UNIVERSITY

Agreement with Respect to Applying the
Mechanical Engineering Technology
Associate of Applied Sciences Degree Program at WITCC
Toward the
Operations Management (Manufacturing Emphasis)
Bachelor of Science Degree Program at SDSU

I. Parties

The parties to this agreement are South Dakota State University (SDSU), Brookings SD and Western Iowa Technical Community College (WITCC), Sioux City IA.

II. Purpose

The purpose of this agreement is to:
A. have a signed articulation agreement that addresses the varying needs of students and complimentary 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 WITCC students who have completed the A.A.S. degree in Mechanical Engineering Technology an opportunity to earn a Bachelor of Science degree with a major in Operations Management.

III. Academic Program

Graduation Requirements for the BS in Operations Management at SDSU

Operations Management requirements:	64
General Education (SGR) credits:	30
Block Transfer credits from WITCC Mechanical Engineering Technology:	26
Total Credits Required:	**120**

A. Upon successful completion of the major requirements specified in III.B. below, SDSU will accept 26 course credits from the A.A.S. degree in Mechanical Engineering Technology for students majoring in Operations Management. Students must successfully complete the A.A.S. degree in Mechanical Engineering Technology from WITCC before transferring to SDSU for the block transfer course credits to be accepted. *General Education coursework is in addition to the 26 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: 35 credits
1. ET 210/L, Introduction to Electronic Systems & Lab (4 credits)
2. ET 451/L, Industrial Controls & PLCs & Lab (3 credits)
3. GE 425, Occupational Safety & Health (3 credits)
4. MNET 367/L, Production Strategy & Lab (3 credits)
5. MNET 460, Manufacturing Cost Analysis (3 credits)
6. OM 425, Production / Operations Management, (3 credits)
7. OM 462, Quality Management (3 credits)
8. OM 463, Supply Chain Management (3 credits)
9. OM 465, Quality Control Applications (3 credits)
10. OM 470, Project Management (2 credits)
11. OM 471, Capstone Experience (2 credits)
12. OM 490, Seminar (1 credit)
13. OM 494, Internship (2 credits)

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 231, Technology, Society, & Ethics (3 credits)
7. HRM 460, Human Resource Management OR
   LEAD 435, Org Leadership & Team Develop (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 Systems General Education Requirements (SGR) must also be completed as outlined below. ***This coursework may be taken at WITCC 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) 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 102, College Algebra (SGR 5) (3 credits)
6. Must include CHEM 106/106L, Survey of Chemistry & Lab (SGR 6) (4 credits)
7. Must include PHYS 101/101L, Survey of Physics & Lab (SGR 6) (4 credits)
   [*2 credits count toward block transfer*]
8. 9 remaining credits must meet System General Education requirements and be selected from the approved list of courses specified in BOR policy 2:7. *See most recent transfer equivalency documents for more information.*

   Total number of credits at SDSU: 94
   Transfer credits from WITCC: 26 (additional SGR credits can be earned at WITCC)
   Total credits required: 120

Additional requirements:
Students transferring from WITCC 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
The South Dakota Board of Regents and Western Iowa Technical Community College may modify this agreement from time to time. 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 2019 semester term at WITCC and SDSU. The agreement applies to students who graduated from WITCC in 2010 and subsequent years.

VII.   Acceptance of Agreement:

For South Dakota State University:

_____ Date: 2·21·2019
Dean, Jerome J. Lohr College of Engineering

_____ Date: 2-27-2019
Provost and Vice President for Academic Affairs

For Western Iowa Technical Community College

_____ Date: 2|14|19
President, WITCC