

# PROGRAM TO PROGRAM ARTICULATION AGREEMENT

Between  
MITCHELL TECHNICAL COLLEGE  
and  
SOUTH DAKOTA STATE UNIVERSITY

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Agreement with Respect to Applying the  
**Automation Controls / SCADA**  
**Associate of Applied Sciences Degree Program**  
Towards the  
**Electronics Engineering Technology Program**  
**Bachelor of Science Degree Program**

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## I. Parties

The parties to this agreement are Mitchell Technical College (MTC) and South Dakota State University (SDSU).

## 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 MTC students who have completed the A.A.S. degree in Automation Controls / SCADA an opportunity to earn a Bachelor of Science degree with a major in Electronics Engineering Technology at SDSU.

## III. Academic Program

Graduation Requirements for the B.S. EET degree at SDSU:

Electronics Engineering Technology requirements:	55
General Education (SGR) credits:	30
<u>Block Transfer credits from MTC SCADA</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 Automation Controls / SCADA for students majoring in Electronics Engineering Technology. Students must successfully complete the A.A.S. degree in 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 Electronics Engineering Technology are outlined below.

Major Requirements: 16 credits

1. ET 220/L, Analog Electronics & Lab (4 credits)
2. ET 325/L, Advanced Analog Electronics & Lab (4 credits)
3. ET 380/L, Circuit Boards & Design & Lab (3 credits)
4. ET 426/L, Communication Systems & Lab (3 credits)
5. ET 471, Capstone Experience (2 credits)

Required Support Courses: 39 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 Organizational Leadership & Team Development (3 credits)
8. MATH 121/L, Survey of Calculus & Lab (5 credits)
9. MNET 367/L, Production Strategy & Lab (3 credits)
10. OM 462, Quality Management (3 credits)
11. OM 469, Project Management (2 credits)
12. OM 494, Internship (2 credits)
13. STAT 281, Introduction to Statistics (3 credits)

The general education coursework to meet South Dakota Regental System General Education Requirements (SGR) must also be completed as outlined below. ***This coursework may be taken at MTC 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 BSEET 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 PHYS 111/111L, Introduction to Physics I & Lab (SGR 6) (4 credits)
7. Must include PHYS 113/113L, Introduction to Physics II & Lab (SGR 6) (4 credits)  
[2 credits count toward EET major – applied to the block transfer]
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 MTC: 35\***

**Total credits required: 120**

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

Additional requirements:

1. Students transferring from Mitchell 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 Mitchell 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 2019 semester term at MTC and SDSU. The agreement applies to students who graduated from MTC in 2005 and subsequent years.

**VII. Acceptance of Agreement**

For South Dakota State University:

  
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Date: 1.13.2020  
Dean, Jerome J. Lohr College of Engineering

  
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Date: 1-14-2020  
Provost and Vice President for Academic Affairs

For Mitchell Technical College:

  
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Date: 1-8-2020  
Mitchell Technical College