

PROGRAM TO PROGRAM ARTICULATION AGREEMENT

Between
SOUTHEAST TECHNICAL COLLEGE
and
SOUTH DAKOTA STATE UNIVERSITY

Agreement with Respect to Applying the
Mechatronics Technology
Associate of Applied Sciences Degree Program at STC
Toward the
Electronics Engineering Technology
Bachelor of Science Degree Program at SDSU

I. Parties

The parties to this agreement are South Dakota State University (SDSU), Brookings SD and Southeast Technical College (STC), Sioux Falls 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 STC students who have completed the A.A.S. degree in Mechatronics Technology an opportunity to earn a Bachelor of Science degree with a major in Electronics Engineering Technology at SDSU.

III. Academic Program

- A. Upon successful completion of the major requirements specified in III, SDSU will accept 40 technical course credits as a block from the A.A.S. degree in Mechatronics Technology. Transferable prerequisite and general education credits meeting South Dakota Board of Regents (SDBOR) and SDSU transfer requirements may be earned at STC and are in addition to the 40 technical course block credits. Students must successfully complete the A.A.S. degree prior to transferring to SDSU for the block transfer course credits to be accepted.

No more than a total of 60 credits may be transferred from STC to SDSU. At least 30 credits must be completed at SDSU. Students must meet all SDBOR and SDSU policies and graduation requirements to earn the B.S. in Electronics Engineering Technology degree.

B. General Education Requirements (SGRs): 6 credits

Transferrable general education requirements in the A.A.S. in Mechatronics Technology curriculum are *italicized* and listed next to the SDSU requirement in the table below. Additional (not required for the A.A.S. in Mechatronics Technology) transferrable general education credits could be transferred if the courses meet SDBOR and SDSU guidelines.

SDSU General Education Requirements			Required Coursework	
SGR Goal	SDSU Course(s)	Cr	Course	Cr
SGR Goal #1 Written Communication	SGR #1 Elective	3	<i>ENGL 101 Composition</i>	3
	ENGL 277 Technical Writing in Engineering	3		
SGR Goal #2 Oral Communication	SGR #2 Elective	3		
SGR Goal #3 Social Sciences	ECON 201 Principles of Microeconomics	3	<i>PSYC 101, SOC 150 or SOC 250</i>	3
	SGR #3 Elective	3		
SGR Goal #4 Arts and Humanities	SGR #4 Electives	6		
SGR Goal #5 Mathematics	MATH 114 College Algebra	3		
SGR Goal #6 Natural Sciences	PHYS 111/L Introduction to Physics I	4		
	PHYS 113/L Introduction to Physics II	4		

C. General Education and Supporting Requirements to be completed at SDSU: 26 credits

1. ENGL 277 Technical Writing in Engineering (3 cr)
2. SGR #2 Oral Communication (3 cr)
3. ECON 201 Principles of Microeconomics (3 cr)
4. SGR #4 Arts and Humanities (6 cr)
5. MATH 114 College Algebra (3 cr)
6. PHYS 111/L Introduction to Physics I (4 cr)
7. PHYS 113/L Introduction Physics II (4 cr)

D. Requirements to be completed at SDSU to earn a Bachelor of Science degree with a major in Electronics Engineering Technology are outlined here.

Major requirements: 13 cr

1. ET 325/L, Advanced Analog Devices & Lab (4 credits)
2. ET 332/L, Advanced Digital Devices & Lab (3 credits)
3. ET 380/L, Circuit Boards and Design & Lab (3 credits)
4. ET 471, Capstone Experience (2 credits)
5. ET 490, Seminar (1 credit)

Required Support Courses: 37 cr

1. CM 130, Management Tools & Analysis (3 credits)
2. CSC 150, Computer Science I (3 credits)
3. ACCT 210, Principles of Accounting I (3 credits)
4. GE 231, Technology, Society, & Ethics (3 credits)
5. STAT 281, Introduction to Statistics (3 credits)
6. MGMT 360, Organization & Management OR
GE 385 Intro to Engineering Systems 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. MNET 367/L, Production Strategy & Lab (3 credits)
10. OM 462, Quality Management (3 credits)
11. OM 470, Project Management (2 credits)
12. OM 494, Internship (3 credits)

E. **Electives:** As needed to reach 120 credits total

TOTAL STC CREDITS: 46

Technical course block credits: 40

Transferrable general education credits: 6

TOTAL SDSU CREDITS: 76

General education courses: 26

Major requirements and supporting coursework: 50

Electives: 0

TOTAL CREDITS REQUIRED: 122

If students have additional credits that meet SDSU and SDBOR guidelines for transfer, such credits may transfer to SDSU up to 60 credits total. At least 30 credits must be completed at SDSU.

Additional requirements:

1. Students transferring from Southeast 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).
2. Credit for technical course transfer requires that the student has completed the A.A.S. degree in Mechatronics Technology.
3. Student must be admitted to South Dakota State University.
4. Student must complete all pre-requisite requirements.

IV. Obligations

Both parties agree to confer with each other as needed regarding changes in curricula involved in this Articulation Agreement.

V. Modifications

This agreement may be modified from time to time by SDSU and Southeast 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 shall be in effect upon approval by all parties.

VII. Acceptance of Agreement

For South Dakota State University:

DocuSigned by:

Date: 3/30/2024 | 07:51 PDT
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Dean, Jerome J. Lohr College of Engineering

DocuSigned by:

Date: 3/30/2024 | 12:28 CDT
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Provost and Vice President for Academic Affairs

For Southeast Technical College:


Date: 25 March 2024

Southeast Technical College