

**PROGRAM TO PROGRAM ARTICULATION AGREEMENT**

Agreement with Respect to Applying the  
**ELECTRONIC SYSTEMS TECHNOLOGY**  
 Associate of Applied Sciences Degree Program

Towards the

**ELECTRONICS ENGINEERING TECHNOLOGY MAJOR**  
 Bachelor of Science Degree Program

Between

LAKE AREA TECHNICAL INSTITUTE

and

SOUTH DAKOTA STATE UNIVERSITY

(Revised Section III – December 2010)

**III. Academic Program**

- A. Upon successful completion of the major requirements specified in III.B. below, SDSU will accept **34** technical course credits from the A.A.S. degree in Electronics Systems Technology for students majoring in Electronics Engineering Technology. Students must successfully complete the A.A.S. degree in Electronic Systems Technology from LATI prior to transferring to SDSU for the technical course credits to be accepted. General Education coursework is in addition to the 34 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 (including Emphasis Area selected from either *Computer Networking Emphasis OR Manufacturing and Industrial Automation Emphasis*):  
 40-42 credits

1. CSC 150, Computer Science I (3 credits)
2. EET 320/320L, Analog Devices and Lab (4 credits)
3. EET 426/426L, Communication Systems and Lab (4 credits)
4. EET 470/470L, Project Management and Lab (2 credits)\*
5. EET 471/471L, Capstone Experience and Lab (1 credit)\*
6. MNET 260, Principles of Production and Operations Mgt. (3 credits)
7. MNET 462, Quality Management (3 credits)

\*EET 470/470L and EET 471/471L meet Advanced Writing requirement

*Select one pair of courses: 6-8 credits*

1. EET 472/472L, Networking I and Lab (4 credits)
  2. EET 474/474L, Networking II and Lab (4 credits)
- OR
1. EET 451/451L, Industrial Electronics and Lab (3 credits)
  2. EET 453/453L, Mfg. Automation and Lab (3 credits)
- OR
1. BADM 334, Small Business Management (3 credits)
  2. BADM 360, Organization and Management (3 credits)

*Choose one Emphasis Area: 6 credits*

Computer Networking Emphasis:

1. CSC 325, Management Information Systems (3 credits)
2. CSC 474, Computer Networks (3 credits)

OR

Manufacturing and Industrial Automation Emphasis:

1. MNET 334/334L, CAM/CNC and Lab (3 credits)
2. MNET 350/350L, Fluid Power Technology and Lab (3 credits)

Required Support Courses: 14 credits

1. GE 121, Engineering Design Graphics (1 credit)
2. GE 123, Computer Aided Drawing (1 credit)
3. MATH 121/121L, Survey of Calculus and Lab (5 credits)
4. PHYS 113/113L, Introduction to Physics II and Lab (4 credits)
5. STAT 281, Introduction to Statistics (3 credits)

General Education/Institutional Graduation Requirement Courses: 38-39 credits

1. Must include ENGL 277, Technical Writing in Engineering (3 credits)
2. Must include MATH 102, College Algebra (3 credits)
3. Must include PHYS 111/111L, Introduction to Physics I and Lab (4 credits)
4. Must include ECON 202, Principles of Macroeconomics (3 credits)
5. Remaining credits must meet System General Education requirements, Institutional Graduation requirements, Globalization requirement and Advanced Writing requirement and be selected from the approved list of courses specified in BOR policy 2:7. To fulfill the System General Education Requirements, all students must pass the System Information Literacy Examination. Technical institute graduates must take the examination the first semester of enrollment at the university.

Electives: 0-2 credits

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

**Transfer credits from LATI: 34\***

**Total credits required: 128**

\*Transferable general education courses can be completed at LATI.

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.

**VIII. Acceptance of Revised Agreement**

For South Dakota State University:

*Laurie Nichols*

Date: *1-15-2011*

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Dr. Laurie Nichols  
Provost and Vice President for Academic Affairs

For Lake Area Technical Institute:

*Deb Shephard*

Date: *1/10/11*

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Ms. Deb Shephard  
President