
Southern State Community College
and Miami University
Electro-Mechanical Engineering Technology

ARTICULATION
agreement



Bachelor of Science in Applied Science
Electro-Mechanical Engineering Technology

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Southern State Community College and Miami University
Bachelor of Science in Applied Science - Completion Program
Electro-Mechanical Engineering Technology

December 2006

This Bachelor of Science in Applied Science Completion Program is designed for students who have completed an associate degree in Electrical, Mechanical, Electro-Mechanical or similarly titled engineering technology programs. Graduates from other Engineering Technology programs will also receive favorable credit transfer. Through this program, you can complete your BS degree by completing two-years of additional credit hours beyond your associate degree. Further information is available through www.ent.muohio.edu - - then click on distance learning.

Students entering this program must meet all Miami University admission requirements available at www.miami.muohio.edu or in the *Miami Bulletin*. For students who graduated high school after 1985, these requirements include a foreign language in high school (two years) or college (one year). Students who do not meet these requirements at admission will still be admitted but must make up any deficiencies prior to graduating from Miami.

There are four areas of program requirements. About one-half of these requirements will be met while completing your associate degree. All credits earned with a grade of "C" or better will be transferred to Miami. (Note - Miami is on semesters. This means 3 quarter credits transfer as 2 semester credits, 4 quarter credits transfer as 2.6 semester credits, and 5 quarter credits transfer as 3.3 semester credits.) In addition, students must meet the general requirements for graduation from Miami which include a minimum of 32 credit hours taken from Miami and 12 of the last 20 credit hours must be taken from Miami.

1. Complete your associate degree in Drafting Design, Computer Assisted Design, or Electrical/Electronics Technology program at your current college.

2. Complete the Ohio Transfer Module at your institution. This module is available at www.transfer.org; click on Ohio; click on Guest Login; click on Academic Programs; click on your college's name; click on or find Ohio Transfer Module. Have the registrar at your college stamp your transcript: "Ohio Transfer Module Complete." Advising for this module is available at your college. See the registrar or advising office.

3. Complete general education requirements specified by the Engineering Technology (ENT) department. *Include in the Ohio Transfer Module.

Requirements for
Miami University Take at
Southern State

One year of Freshman English (ENG 111, 112)	ENGL 101*, 102*, 103*
ENG 215 Technical Writing	ENGL 205
COM 135 Public Speaking or COM 136 Interpersonal Comm	SPTH 115*
ECO 201 Microeconomics or ECO 202 Macroeconomics	ECON 205* or ECON 206*
Visual Basic, C Programming, or similar course	CSCI 203, 204, or 260
MTH 123 Precalculus	MATH 141*
MTH 151 (Calculus I), MTH 251 (Calculus II)	MATH 221*, 222*, & 223*
One year of Physics with lab (PHY 171, 172, 183, 184)	PHYS 201*, 202*, & 203*
.....	with labs or PHYS 221*,
.....	222*, & 223* with labs
A Chemistry course with lab (CHM 137, 141, 144)	CHEM 101* &
.....	CHEM 111* lab

4. Complete all Engineering Technology (ENT) core courses, Miami Plan Thematic Sequence (MPT) courses, and Miami Plan Capstone courses (MPC).

ENT Core courses (32 semester hours minimum) including those listed below. You should have taken some of these in your associate degree program. You can complete the remaining courses while taking the required Miami courses.

ENT 135 Computer Aided Drafting (3)	ENDS 230 & ENDS 231
ENT 151 Engineering Materials (3)	ENDS 203
ENT 192 Circuit Analysis I (3)	EENG 105
ENT 196 Electronics (3)	EENG 215
ENT 271 Mechanics I: Statics (3)	ENDS 201
ENT 272 Strength of Materials (3)	ENDS 203
ENT 291 Industrial Electronics (3)	EENG 203
ENT 296 Programmable Controllers (3)	EENG 207

The Miami Courses are taken at SSCC via Interactive Video or web or at Miami Hamilton/Middletown

ENT 301 Dynamics (3)	ENDS 202 at SSCC
ENT 311 Process Control Interface Design (3)	Take from Miami
ENT 310 Fluid Mechanics (3)	Take from Miami
ENT 316 Project Management	Take from Miami
ENT 401 Computerized Instrumentation (3)	Take from Miami
ENT 412 Industrial Applications of Neural Networks and Fuzzy Logic (3)	Take from Miami
ENT 418 Electromechanical Control Systems (3)	Take from Miami
ENT 407 Modern Manufacturing Systems (3)	Take from Miami
ENT 497, 498 Senior Design I, II (2,2) also meets MPC requirement	Take from Miami
STA 301 Statistics (3) meets MPT requirement	Take from Miami
MTH 231 Discrete Math (3) meets MPT requirement	Take from Miami