ARTICULATION AGREEMENT

Miami University
(Hamilton and Middletown)
and
Northwest State Community College

Miami University and Northwest State Community College agree to mutual cooperation in correlating their respective programs for the Associate of Applied Sciences and the Bachelor of Science in Applied Science in Engineering Technology degrees. The intent of this document is to provide the opportunity for students to plan a total baccalaureate degree program at the outset of their college education.

Specifically, students completing an associate degree in Electrical, Mechanical, Electro-Mechanical, or similarly titled engineering technology program may earn a baccalaureate degree in Engineering Technology at Miami University by completing the requirements identified in the corresponding articulation matrix.

Principles of Agreement

Northwest State Community College and Miami University confirm the following points of agreement to assure equal treatment of all transfer and regularly enrolled students:

1. Students entering this program will follow the requirements for admission, transfer, and other general Miami requirements as specified in the Miami Bulletin in effect at the time of their initial enrollment at Miami University. Students will follow the curriculum requirements identified in the corresponding articulation matrix in effect at the time of their initial enrollment at Northwest State Community College.
2. Once admitted to Miami University, students in this program shall be subject to the same regulations governing applicability of catalog requirements as all other students. Furthermore, transfer students shall be accorded the same class standing and other privileges as all other students on the basis of the number of credits earned.
3. If a student does not complete an associate degree program covered in this agreement, or transfers to Miami in a program other than Engineering Technology, then the transfer of credit shown on the attached articulation matrices may not apply.

4. The positions responsible for maintaining this agreement are the Dean of Engineering Technology at Northwest State Community College and the Department Chair of Engineering Technology at Miami University. The persons that initiated this agreement are Dan Burklo from Northwest State and Rob Speckert from Miami University.
5. This Agreement will remain in effect indefinitely unless terminated by either party. Either party may initiate the termination of this Agreement upon six months written notification to the other party. Students in progress will be permitted to complete the program.

Northwest State Community College and Miami University authorize this agreement to become effective on January 1, 2009.

For
Northwest State Community College

12/9/08
Date

Tom Stuckey
President

Cindy A Krueger
Vice President for Academic Affairs

Dan Burklo
Dean, Engineering Technology Division

For
Miami University

Date

Dean, Hamilton Campus

Dean, Middletown Campus

Dean, School of Engineering and Applied Science

Revised/Updated: November 24, 2008

Miami University

Department of Engineering Technology
Bachelor of Science in Applied Science—Completion Program

Major: Electro-Mechanical Engineering Technology

Northwest State Community College

Updated: November 23, 2008

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 from 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 Automation and Control, Mechanical, or a similarly titled Engineering 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. (*Included in the Ohio Transfer Module)**

Miami Engineering Technology Requirements:	Take these at Northwest State Community College:
One year of Freshman English (ENG 111, 112)	ENG 111*, ENG 112*
ENG 215 Technical Writing	ENG 210
COM 135 Public Speaking or COM 136 Interpersonal Communication	ENG 113 or ENG 214
ECO 201 Microeconomics or ECO 202 Macroeconomics	ECO 211* or ECO 212*
Visual BASIC, C Programming, or similar course	EET 240 or CIS 150 or CIS 111
MTH 125 Precalculus	MTH 112*
MTH 151 (Calculus I), MTH 251 (Calculus II)	MTH213* and MTH 214*
One year of Physics with lab (PHY 171, 172, 183, 184)	PHY 251* and PHY 252*
A Chemistry Course with lab (CHM 141, 144,)	CHM 201*

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

Miami Requirements:	Where taken?
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.	Take from Northwest State Community College except as noted.
ENT 135 Computer-Aided Drafting (3)	CAD 112 CAD II or CAD 213 CAD III
ENT 151 Engineering Materials (3)	MET 134 Engineering Materials
ENT 192 Circuit Analysis (3)	EET 171 Industrial Electricity I and EET 194 Industrial Electricity II
ENT 196 Electronics (3)	EET 277 Industrial Electronics
ENT 271 Mechanics I: Statics (3)	MET 235 Statics
ENT 272 Strength of Materials (3)	MET 234 Strength of Materials
ENT 291 Industrial Electronics (3)	EET 276 Motors and Motor Controls
ENT 296 Programmable Controllers (3)	PLC 200 Programmable Controllers I
The Miami Courses are taken at Northwest State Community College via Interactive Video or web.	
ENT 301 Dynamics (3)	Take from Miami
ENT 311 Process Control Interface Design (3)	Take from Miami
ENT 310 Fluid Mechanics (3)	Take from Miami
ENT 316 Project Management (3)	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 Applied Statistics (3) meets MPT (Thematic Sequence) requirement	Take from Miami
MTH 231 Discrete Math (3) meets MPT (Thematic Sequence) requirement	Take from Miami