Miami University
Department of Engineering Technology
Bachelor of Science in Applied Science—Completion Program
Major: Electro-Mechanical Engineering Technology
For students entering Fall 2015 and after
Washington State Community College
Updated: July 14, 2016

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. 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 http://www.miamioh.edu/regionals/ent.

This articulation is meant to be a guide only. Your final degree requirements are established upon matriculation to Miami and are detailed in your degree audit report (DAR) provided by Miami. Work closely with a Miami advisor (listed below) to clarify final requirements. Students entering this program must meet all admission requirements available at http://www.miamioh.edu/regionals/admission/transfer-students for transfer students 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. 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. Students are also required to have a PC laptop.

Requirements Summary
1. Complete your associate degree in Electrical, Mechanical, Electro-Mechanical or similarly titled Engineering Technology program at your current college.
2. Complete the Ohio Transfer Module at your institution. This Module is available at http://regents.ohio.gov/transfer/modules/ Click on your college. Once complete, 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)

Required Course From Miami	Acceptable Washington State CC Transfer Credit**
* Included in the Ohio Transfer Module (OTM)	
ENG 111, One year of Freshman English College I Composition or ENG 109 College Composition for Second Language Writers	ENG 1510* English Composition I
ECO 201 Microeconomics or ECO 202 Macroeconomics	ECO 2130* Microeconomics or ECO 2120* Macroeconomics
STC 135 Intro to Public Expression and Critical Inquiry or STC 136 Intro to Interpersonal Communication	SPCH 1510* Speech or SPCH 2060 Interpersonal Communication
ENG 215 Workplace Writing OR ENG 313 Technical Writing	ENG 1515* Technical Writing
PHY 161 Physics for Life Sciences with Lab I or PHY 191 General Physics with Lab I	PHYS 2010* Introduction to Physics I and PHYS 201L* Introduction to Physics I Lab
PHY 162 Physics for Life Sciences with Lab II or PHY 192 General Physics with Lab II	PHYS 2030* Introduction to Physics II and PHYS 203L* Introduction to Physics II Lab
CHM 141 College Chemistry (3) and CHM 144 College Chemistry Lab (2)	CHEM 1510* Fundamentals of Chemistry I and CHEM 151L* Fundamentals of Chemistry I Lab

MTH 125 Pre-calculus (5) or MTH 123 Precalculus (3)	MATH 2150* Pre-calculus
MTH 151 Calculus I	MATH 2263* Calculus I
MTH 251 Calculus II	MATH 2264 Calculus II
Approved Intercultural Perspectives Elective (Online Options)	SOSV 1140 American Social Welfare Inst. or Approved Intercultural Perspectives Elective

4. Complete Engineering Technology (ENT) core courses listed below. You should have taken some of these in your associate degree program.

Required Course From Miami	Acceptable Washington State CC Transfer Credit**
Engineering Technology Core Courses	
ENT 135 Computer-Aided Drafting [OET012 Computer Aided Design]	DRFT 2530 Engineering Drafting
ENT 151 Engineering Materials [OET013 Engineering Materials]	MECH 1100 Engineering Materials
CSE 153 Introduction to C/C++ Programming or similar course	DTWP 2600 .Net Programming
ENT 192 Circuit Analysis I [OET001 DC Circuits]	ELET 1110 D.C. Circuits
ENT 193 Circuit Analysis II [OET003 AC Circuits]	ELET 1130 A.C. Circuits
ENT 196 Electronics [OET005 Electronics]	ELET 2210 Electronics or INDT 1310 Basic Electricity
ENT 271 Mechanics I: Statics [OET007 Statics]	ENGR 2210 Statics
ENT 272 Strength of Materials [OET008 Strength of Materials]	ENGR 2220 Strength of Materials
ENT 293 Digital Systems [OET002 Digital]	ELET 1310 Digital
MTH 231 Discrete Math ***	Take from Miami
STA 301 Applied Statistics ***	Take from Miami
ENT 301 Dynamics ***	Take from Miami
ENT 310 Fluid Mechanics [OET009 Fluid Mechanics] ***	Take from Miami
ENT 311 Process Control Interface Design ***	Take from Miami
ENT 316 Project Management ***	Take from Miami
ENT 401 Computerized Instrumentation ***	Take from Miami
ENT 402 Industrial Automation Lab ***	Take from Miami
ENT 407 Modern Manufacturing Systems ***	Take from Miami
ENT 418 Electromechanical Control Systems ***	Take from Miami
ENT 497 Senior Design I ***	Take from Miami
ENT 498 Senior Design II ***	Take from Miami
***Distance Courses Offered Via IVDL and/or WebEx from Miami	
**Transfer Equivalencies within ENT program ONLY	

To apply for this program: **http://www.miamioh.edu/regionals/apply**
For tuition information: **https://miamioh.edu/onestop/your-money/tuition-fees/regional-campuses/index.html**
For more information, contact:

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