

**Miami University**  
 Department of Engineering Technology  
 Bachelor of Science in Applied Science—Completion Program  
**B.S. Concentration: Electro-Mechanical Engineering Technology**  
**Zane State College**  
**A.S. Electrical/Electronics Engineering Technology**  
 Revised: May 19, 2009

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](http://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](http://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. 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 the Electrical/Electronics Engineering Technology program from Zane State.**
2. **Complete the Ohio Transfer Module at your institution. This Module is available at [www.transfer.org](http://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)**

<b>Miami Engineering Technology Requirements:</b>	<b>Take these at Zane State:</b>
One year of Freshman English (ENG 111, 112)	ENG 130* and 140* and 250*
ENG 215 Technical Writing	Technical Writing Course
COM 135 Public Speaking or COM 136 Interpersonal Communication	COM 261* or COM 22
ECO 201 Microeconomics or ECO 202 Macroeconomics	BUS 151* or 152*
Visual BASIC, C Programming, or similar course	ITC 121 or 141
MTH 125 Precalculus	MTH 125*
MTH 151 (Calculus I), MTH 251 (Calculus II)	1 Yr. Calculus
One year of Physics with lab (PHY 171, 172, 183, 184)	1 Yr. Physics
A Chemistry Course with lab (CHM 141, 144,)	CHM 101*

**4. As part of the junior and senior year, complete all Engineering Technology (ENT) core courses, Miami Plan Thematic Sequence (MPT) courses, and Miami Plan Capstone courses (MPC).**

<b>Miami Requirements:</b>	<b>Take these at Zane State</b>
ENT Core courses (32 semester hours minimum) including:	Complete you associate degree at Zane State.
ENT 135 Computer-Aided Drafting (3)	ETD 199 or EET 116 CAD
ENT 151 Engineering Materials (3)	MET 120 Industrial Materials & Processes
ENT 192 Circuit Analysis (3)	EET 111,EET 112 DC Circuit Analysis I,II and EET 123 AC Circuit Analysis
ENT 196 Electronics (3)	EET 113 Electronic Devices
ENT 271 Mechanics I: Statics (3)	MET 221 Statics
ENT 272 Strength of Materials (3)	MET 231 Strength of Materials
ENT 293 Digital Switching (3)	EET 114 Digital Circuits
<b>The Miami Courses are taken at Zane State via Interactive Video (IVDL) or web.</b>	
ENT 301 Dynamics (3)	Take from Miami
ENT 310 Fluid Mechanics (3)	Take from Miami
ENT 311 Process Control Interface Design (3)	Take from Miami
ENT 316 Project Management	Take from Miami
ENT 401 Computerized Instrumentation (3)	Take from Miami
ENT 402 Industrial Automation Lab (3)	Take from Miami
ENT 407 Modern Manufacturing Systems (3)	Take from Miami
ENT 418 Electromechanical Control Systems (3)	Take from Miami
ENT 497,498 Senior Design I,II (2,2) meets MPC requirement.	Take from Miami
MTH 231 Discrete Math (3) meets MPT (Thematic Sequence) requirement	Take from Miami
STA 301 Applied Statistics (3) meets MPT (Thematic Sequence) requirement	Take from Miami