

**Miami University**  
 Department of Engineering Technology  
 Bachelor of Science in Applied Science—Completion Program  
**Major: Electro-Mechanical Engineering Technology**  
**Edison Community College**  
**Updated: 02/15/07**

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.ham.muohio.edu/ent](http://www.ham.muohio.edu/ent) -- 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. 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 Electrical (Electronics), Mechanical, Electro-Mechanical (Automation and Control) 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://www.regents.state.oh.us/transfer/modules/edisonCC\\_transfermodule.html](http://www.regents.state.oh.us/transfer/modules/edisonCC_transfermodule.html); 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 Edison:</b>
One year of Freshman English (ENG 111, 112)	ENG 121S,122S
ENG 215 Technical Writing	ENG 125S
COM 135 Public Speaking or COM 136 Interpersonal Communication	COM 121S
ECO 201 Microeconomics or ECO 202 Macroeconomics	ECO 221S,222S
Visual BASIC, C Programming, or similar course	CIT 225S Visual Basic Programming <b>OR</b> CIT 222S Intro to Programming using C ++
MTH 123 Precalculus	MTH 123
MTH 151 (Calculus I), MTH 251 (Calculus II)	MTH 221S,222S
One year of Physics with lab (PHY 171, 172, 183, 184)	PHY 121S,122S
A Chemistry Course with lab (CHM 137141/, 144)	CHEM 121S

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

<b>Miami Requirements:</b>	<b>Where taken?</b>
ENT Core courses (32 semester hours minimum) including ENT 135 Computer Aided Drafting	Take at Edison State: EGR 110S Print Reading and Sketching And MET 130S AutoCAD I
ENT 151 Engineering Materials	MFG 120S Materials Technology
ENT 271 Statics	MET 125S Applied Engineering Statics
ENT 272 Strength of Materials	MET 212S Applied Strength of Materials
ENT 192 Circuit Analysis	ELT 111S DC Circuits
ENT 196 Electronics	ELT 121S Electronic Devices
ENT 291 Industrial Electronics	ELT 141S Digital Electronics
ENT 296 Programmable Controllers	ELT 151S Programmable Controllers
ENT 301 Dynamics (3)	Take from Miami
ENT 311 Process Control Interface Design (3)	Take from Miami
ENT 316 Project Management (3)	Take from Miami
ENT 310 Fluid Mechanics (3)	Take from Miami
ENT 401 Computerized Instrumentation (3)	Take from Miami
ENT 412 Industrial Applications of Neural Networks	Take from Miami
ENT 418 Electromechanical Control Systems (3)	Take from Miami
ENT 407 Modern Manufacturing Systems	Take from Miami
ENT 497,498 Senior Design I, II (2, 2) also meets MPC requirement.	Take from Miami
STA 301 or STA 368 Statistics meets MPT requirement	Take from Miami
MTH 231 Discrete Math meets MPT requirement	Take from Miami