Department of Engineering Technology
Bachelor of Science in Applied Science—Completion Program
Major: Electrical and Computer Engineering Technology
For students entering Fall 2023 and after from
Clark State College

Catalog Year: Fall 2023

This Bachelor of Science in Applied Science Completion Program is designed for students who have completed an associate degree in 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 the Department of Engineering Technology.

To graduate with the Bachelor of Science in Applied Science degree, students must first meet all Miami University admission requirements noted on the Admission and Aid Website. Students must also meet Miami's general requirements for graduation, including: (1) completion of 124 credit hours; (2) completion of a minimum of 30 credit hours at Miami of which the final 12 credit hours must be taken at Miami; and (3) attainment of a minimum of a 2.00 cumulative grade point average at the time of graduation.

Note: Neither Miami University nor Clark State College shall use the name, logo, likeness, trademarks, image or other intellectual property of either of the other parties for any advertising, marketing, endorsement or any other purposes without the specific prior written consent of an authorized representative of the other party as to each such use. Clark State College may refer to the affiliation with Miami University in public information materials regarding the relevant program. Miami University reserves the right to review and request modification of Clark State College's reference to Miami University as necessary. Clark State College may refer to the affiliation with Miami in its brochures and other public information materials having to do with the program.

The plan of study below illustrates: 1) how courses completed at Clark State College transfer to Miami University, and (2) what courses the student needs to complete at Miami in order to earn the Bachelor of Science in Applied Science degree with a major in Electrical and Computer Engineering Technology. Please note the matches in this document indicate specific courses you may be awarded after successfully completing those courses and transferring to Miami University.

Students completing the OT36 through their General Education credits will have completed most requirements for Miami Plan Perspectives Areas and Signature Inquiries. Students entering Miami having completed the OT36 must complete 9 credits of Signature Inquiry, however this may be met by matching equivalent Perspectives courses that have a Signature Inquiry designation. Students will also need to complete coursework in Global Citizenship (Intercultural Consciousness or Global Inquiry for 3 credits), Knowledge in Action: Experiential Learning (0 credits), and a Senior Capstone (3 credits).

Courses that do not have a Miami University equivalent will be recorded as "T" courses on the student's Miami University academic record. With the assistance of an academic advisor, students can petition for some "T" courses to count toward Miami University degree requirements.

Foundation Requirements

* Included in the Ohio Transfer Module (OTM)

Required Course from Miami	Acceptable Clark State College Transfer Credit
ENG 111, One year of Freshman English College I Composition or ENG 109 College Composition for Second Language Writers	ENG 1111 English I
ECO 201 Microeconomics or ECO 202 Macroeconomics	ECO 2210* Principles of Macroeconomics Or ECO 2220 Principles of Microeconomics
STC 135 Intro to Public Expression and Critical Inquiry or STC 136 Intro to Interpersonal Communication	COM1110 Interpersonal Communication I Or COM1120 Public Speaking I
ENG 215 Workplace Writing or ENG 313 Technical Writing	
PHY 161 Physics for Life Sciences I with Lab OR PHY 181 General Physics I **and** PHY 183 Lab	PHY 1501* General Physics I with Algebra or PHY 2501* College Physics I with Calculus
PHY 162 Physics for Life Sciences II with Lab OR PHY 182 General Physics II **and** PHY 184 Lab	PHY 1502* General Physics II with Algebra or PHY 2502* College Physics II with Calculus
CHM 141 College Chemistry (3) and CHM 144 College Chemistry Lab (2)	CHM 1210 General Chemistry I
MTH 151 Calculus I	MTH 2200* Calculus I
MTH 251 Calculus II	MTH 2220* Calculus II
Approved Intercultural Perspectives **if admitted to Miami prior to Fall 2023** or Intercultural Consciousness Elective **if admitted to Miami on or after Fall 2023** (Online Options)	SOC 2250 Sociology of Poverty Or Take from Miami

Complete Engineering Technology (ENT) core courses listed below. You should have taken some of these in your associate degree program. Calculus I must be completed prior to starting Miami courses.

Engineering Technology Core Courses

Required Course from Miami	Acceptable Clark State College Transfer Credit
CSE 153/163 Introduction to C/C++ Programming or similar course	
ENT 192 Circuit Analysis I (3) [OET001 DC Circuits]	ENT 1450 Direct Current (DC) Circuits
ENT 193 Circuit Analysis II (3) [OET003 AC Circuits]	
ENT 196 Electronics (3) [OET005 Electronics]	
ENT 271 Mechanics I – Statics [OET007 Statics]	ENT 2200 Statics
ENT 293 Digital Systems [OET002 Digital]	
ENT 294 Local area Networks	
ENT 295 Microprocessor Technology I [OET004 Microprocessors]	
MTH 245 Differential Equations	MTH 2330 Differential Equations or Take from Miami
Technical Electives Take ONE of the following technical electives from Miami: ENT313 - Introduction to Robotics ENT413 - Industrial Robotics Lab	Take from Miami
STA 261 or STA 301 Applied Statistics ***	STT 2640 Elementary Statistics I and STT 2650 Elementary Statistics II or Take from Miami

Required Course from Miami	Acceptable Clark State College Transfer Credit
ENT 301 Dynamics ***	Take from Miami
ENT 302 Fundamentals of Signals & Systems ***	Take from Miami
ENT 303 Digital Signal Processing for Tech. ***	Take from Miami
ENT 311 Process Control Interface Design	Take from Miami
ENT 316 Project Management	Take from Miami
ENT 387 Embedded Microcontrollers	Take from Miami
ENT 401 Computerized instrumentation	Take from Miami
ENT 402 Industrial Automation Lab	Take from Miami
ENT 403 Wireless Communication & Networks	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 WebEx from Miami.

Calculus I must be completed prior to starting Miami courses.

*****Transfer Equivalencies within ENT program ONLY**

SPECIAL NOTES

1. When applying to Miami University Regionals, please apply early for best course availability. For Fall applicants, we suggest applying in Spring semester.
2. Application Deadlines: Fall Admission – August 1st. Spring Admission – January 1st.
3. Transfer Scholarship Deadlines: Fall Admission – June 1. Spring Admission – December 1. See the Miami Regionals scholarship page for more information: https://www.miamioh.edu/regionals/tuition-financial-aid/scholarships/index.html

Link to Miami degree program

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

Miami Contact Name and Information:

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