

# Gateway S.M.A.R.T. Plan

## Associate in Applied Science: MIT: Manufacturing Industrial Technology Industrial Electrician Track

I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

### Recommended Semester 1

Courses	Cr	Grade	Offered
Digital Literacy - CIT 105 Introduction to Computers <b>or</b> OST 105 Introduction to Office Systems (or Competency demonstrated by exam)	3		All
EET 154 Electrical Construction I	2		Fall/Spring
EET 155 Electrical Construction I Lab	2		Fall/Spring
EET 252 Electrical Construction II (pre-req EET 154/EET 155)	2		Fall/Spring
EET 253 Electrical Construction II Lab (pre-req EET 154/EET 155)	2		Fall/Spring
ELT 110 Circuits I	5		Fall/Spring

### Recommended Semester 2

Courses	Cr	Grade	Offered
EET 250 National Electric Code (pre-req EET 154/EET 155 <b>and</b> EET 252/EET 253)	4		Fall/Spring
EET 270 Electrical Motor Controls I (pre-req ELT 110)	2		Fall/Spring
EET 271 Electrical Motor Control I Lab (pre-req ELT 110)	2		Fall/Spring
MAT 116 Technical Mathematics (or higher level Quantitative Reasoning course)	3		All

### Recommended Semester 3

Courses	Cr	Grade	Offered
EET 264 Rotating Machinery (pre-req ELT 110)	2		Fall/Spring
EET 265 Rotating Machinery Lab (pre-req ELT 110)	2		Fall/Spring
EET 272 Electrical Motor Control II (pre-req EET 270)	2		Fall/Spring
EET 273 Electrical Motor Control II Lab (pre-req EET 270)	2		Fall/Spring
ENG 101 Writing I	3		All
Natural Science General Education Course	3		All
Social/Behavioral Science General Education Course	3		All

### Recommended Semester 4

Courses	Cr	Grade	Offered
EET 127 Electrical Technology Capstone (pre-req Consent of Instructor)	1		Fall/Spring
EET 276 Programmable Logic Controllers I (pre-req EET 270/EET 272 <b>and</b> ELT 110)	2		Fall/Spring
EET 277 Programmable Logic Controllers I Lab (pre-req EET 270/EET 272 <b>and</b> ELT 110)	2		Fall/Spring
Heritage or Humanities General Education Course	3		All
Technical Electives *	14		Fall/Spring

### Notes



**GATEWAY**  
COMMUNITY  
& TECHNICAL COLLEGE

- \* Other courses may be substituted at the discretion of the program coordinator (8 credit hours technical electives required).
- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course, (including those selected as technical electives), and maintenance of a 2.0 cumulative GPA or above (on a 4.0 scale).
- At least 25 percent of the approved curriculum for any certificate, diploma or degree must be completed at the student's home college.

Updated 9/15/20

