

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

Diploma: Industrial Electrician

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 or 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 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
EET 272 Electrical Motor Control II	2		Fall/Spring
EET 273 Electrical Motor Control II Lab	2		Fall/Spring
MAT 116 Technical Mathematics (or higher level Quantitative Reasoning course)	3		All
Technical Elective(s)* (rec. ELT 260 Robotic and Industrial Automation)	5		Fall/Spring

Recommended Semester 3

Courses	Cr	Grade	Offered
EET 264 Rotating Machinery	2		Fall/Spring
EET 265 Rotating Machinery Lab	2		Fall/Spring
EET 276 Programmable Logic Controllers I	2		Fall/Spring
EET 277 Programmable Logic Controllers I Lab	2		Fall/Spring

Recommended Semester 4

Courses	Cr	Grade	Offered
EET 127 Electrical Technology Capstone	1		Fall/Spring
EET 250 National Electric Code	4		Fall/Spring
EET 298 Practicum or EET 299 Cooperative Education Program	1-4		Fall/Spring
General Education Course - Written or Oral Communications or Heritage/Humanities	3		All
Technical Elective(s)*	7		Fall/Spring

Notes

- * Technical elective courses must be approved by the program coordinator.
- 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



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