

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

Certificates: Electrical Technology

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

Automated Industrial Controls Technician Level I: 20 Total Credit Hours

Courses	Cr	Grade	Offered
Digital Literacy - CIT 105 Introduction to Computers or OST 105 Introduction to Office Systems (or Competency demonstrated by exam**) If student tests out, they must take another technical course	3		
EET 250 National Electric Code	4		
EET 264 Rotating Machinery	2		
EET 265 Rotating Machinery Lab	2		
EET 270 Electrical Motor Control I	2		
EET 271 Electrical Motor Control I Lab	2		
ELT 110 Circuits I	5		

Automated Industrial Controls Technician Level II: 28 Total Credit Hours

Courses	Cr	Grade	Offered
Digital Literacy - CIT 105 Introduction to Computers or OST 105 Introduction to Office Systems (or Competency demonstrated by exam**) If student tests out, they must take another technical course	3		
EET 250 National Electric Code	4		
EET 264 Rotating Machinery	2		
EET 265 Rotating Machinery Lab	2		
EET 270 Electrical Motor Control I	2		
EET 271 Electrical Motor Control I Lab	2		
EET 272 Electrical Motor Control II	2		
EET 273 Electrical Motor Control II Lab	2		
EET 276 Programmable Logic Controllers I	2		
EET 277 Programmable Logic Controllers I Lab	2		
ELT 110 Circuits I	5		Fall/Spring

Construction Electrician Level I: 14 Total Credit Hours

Courses	Cr	Grade	Offered
EET 154 Electrical Construction I	2		
EET 155 Electrical Construction I Lab	2		
ELT 110 Circuits I	5		
Technical Elective(s)*	5		

Construction Electrician Level II: 22 Total Credit Hours

Courses	Cr	Grade	Offered
EET 154 Electrical Construction I	2		
EET 155 Electrical Construction I Lab	2		
EET 250 National Electric Code	4		



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Courses	Cr	Grade	Offered
EET 252 Electrical Construction II	2		
EET 253 Electrical Construction II Lab	2		
ELT 110 Circuits I	5		
Technical Elective(s)*	5		

Construction Electrician Level III: 34 Total Credit Hours

Courses	Cr	Grade	Offered
EET 154 Electrical Construction I	2		Fall/Spring
EET 155 Electrical Construction I Lab	2		Fall/Spring
EET 250 National Electric Code (pre-req: EET 154/155 and EET 252/253)	4		Fall/Spring
EET 252 Electrical Construction II	2		Fall/Spring
EET 253 Electrical Construction II Lab	2		Fall/Spring
EET 264 Rotating Machinery (pre-req: ELT 110)	2		Fall/Spring
EET 265 Rotating Machinery Lab (pre-req: ELT 110)	2		Fall/Spring
EET 270 Electrical Motor Control I	2		Fall/Spring
EET 271 Electrical Motor Control I Lab	2		Fall/Spring
EET 272 Electrical Motor Control II	2		
EET 273 Electrical Motor Control II Lab	2		
ELT 110 Circuits I	5		Fall/Spring
Technical Elective(s)*	5		Fall/Spring

Industrial Electrician Level I: 8 Total Credit Hours

Courses	Cr	Grade	Offered
ELT 110 Circuits I	5		
Technical Elective(s)*	3		

Industrial Electrician Level II: 13 Total Credit Hours

Courses	Cr	Grade	Offered
ELT 110 Circuits I	5		
Technical Elective(s)*	8		

Voice and Data Wiring Installer Level I: 16 Total Credit Hours

Courses	Cr	Grade	Offered
Digital Literacy - CIT 105 Introduction to Computers or OST 105 Introduction to Office Systems (or Competency demonstrated by exam**) If student tests out, they must take another technical course	3		
EET 110 Voice & Data Installer Level I	4		
EET 154 Electrical Construction I	2		
EET 155 Electrical Construction I Lab	2		
ELT 110 Circuits I	5		
or IMT 110 and IMT 111 Industrial Maintenance Electrical Principles and Lab	5		

Notes

- * Technical Elective needs to be approved by the program coordinator.
- ** If a student successfully tests out of Digital Literacy, they must take an additional Technical Course approved by the Electrical 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 11/1/21

