

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

Certificates: Energy Technologies

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

Energy Efficiency and Analysis: 7 – 10 Total Credit Hours

Courses	Cr	Grade	Offered
ACR 170 Heat Load/Duct Design	3		Fall
Digital Literacy - CIT 105 Introduction to Computers or OST 105 Introduction to Office Systems (or Competency demonstrated by exam)	0-3		All
EGY 240 Energy Efficiency and Analysis (pre-req: ACR 170 or Instructor Consent)	4		Spring

Energy Utility Technician: 15 – 18 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)	0-3		All
EET 150 Transformers	2		Fall/Spring
EET 151 Transformers Lab	1		Fall/Spring
EGY 170 Energy Utility Technologies	4		Fall/Spring
ELT 110 Circuits I	5		Fall/Spring
ISX 101 Introduction to Industrial Safety	3		All

Lineman Certificate: 16 Total Credit Hours

Courses	Cr	Grade	Offered
APT 258 Lineman Technology II	3		Fall/Spring
APT 259 Lineman Technology II Lab	4		Fall/Spring
EES 101 Basic Electronics	2		Fall/Spring
EET 150 Transformers	2		Fall/Spring
EET 151 Transformers Lab	1		Fall/Spring
EGY 170 Energy Utility Technologies	4		Fall/Spring

Outside Plant Technician: 16 – 19 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)	0-3		All
EET 110 Voice and Data Installer Level I	4		Fall/Spring
EGY 120 Outside Plant Communications	4		Fall/Spring
ELT 110 Circuits I	5		Fall/Spring
ISX 101 Introduction to Industrial Safety	3		All

Solar/Photovoltaic Technologies: 13 Total Credit Hours

Courses	Cr	Grade	Offered
EET 154 Electrical Construction I (first eight weeks)	2		Fall/Spring
EET 155 Electrical Construction I Lab (first eight weeks)	2		Fall/Spring
EGY 230 Solar/Photovoltaic Technologies	4		Fall/Spring
ELT 110 Circuits I	5		Fall/Spring

Notes



GATEWAY
COMMUNITY
& TECHNICAL COLLEGE

- 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 4/2/20

