

Energy Systems Technology – Associate in Applied Science (EGYT.AAS) at
Jackson College to Bachelor of Science in Electrical/Electronic
Engineering Technology at Wayne State University

GENERAL EDUCATION REQUIREMENTS (28 CREDITS)

Course Title	Credits
ENG 131 Writing Experience I	3
ENG 232 Technical and Business Writing	3
HUM 131 Cultural Connections	3
MAT 141 Pre-Calculus (pre-req MAT-139)	5
CEM 131 Fundamentals of Chemistry	4
PSY 140 Introduction to Psychology	4
ART 112 Art History: Renaissance to Present	3
SEM 140 Seminar in life in Pathways	3

CERTIFIED PRODUCTION TECHNICIAN RELATED REQUIREMENTS (16 CREDITS)

MFG 135 Industrial Safety	3
MFG 136 Blueprint Reading and Precision Measurement	3
MFG 137 Production Processes and Fabrication	4
ELT 106 Basic Electricity and Fluid Systems	3
CAD 152 SolidWorks I	3

ENERGY SYSTEMS TECHNOLOGY CORE REQUIREMENTS (14 CREDITS)

ALT 200 Principles of Alternative Energy	3
EGY 101 EIF Energy Industry Fundamentals	3
EGY 220 Energy Industry Experience	1
ELT 260 Basic Programmable Controllers	4
STM 101 Introduction to Sustainability	3

Choose 9 credits from the following:

CAD 151 AutoCAD I	3
EGY 110 Climbing Clinic	.5
EGY 111 Climbing Orientation	1.5
EGY 112 Climbing School	7

ADDITIONAL PROGRAM REQUIREMENTS

CPR Training/ Certification	2
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MTA requirements (21 Credits)

Course Title	Credits
PHY 231 College Physics	4

Approved Social Science (See MTA)	3
PHL-236-Ethics	3
Approved Humanities/Fine Arts (See Arts)	3

Expected Engineering Technology Pathway

*If courses are not completed at JC, students may not meet requirements and/or acceptance into desired program

Courses	Credits
PHY-232-College Physics II (PHY2140/2141)	4
ELT-140-Intro to Digital Electronics (EET2100)	4