

Program Completion Guide
CIP Code - 15.0613
Electrical Technology - ELT
Associate in Applied Science (AAS Degree)
2023-2024

Area I: Written Composition (6 Semester Hours Total)

Courses	Courses Taken	Hours Earned
ENG101		
ENG102		

Area II: Humanities and Fine Arts (3 Semester Hours Total)

Courses	Courses Taken	Hours Earned
ART100, ENG251, ENG252, ENG261, ENG262, ENG271, ENG272, MUS101, PHL206, REL100, REL151, REL152, SPH107		

Area III: Natural Science and Mathematics (10 Semester Hours Total)

Note: CIS146, MTH100 or higher and a 4 credit hour science course are required.

Courses	Courses Taken	Hours Earned
CIS146		
MTH100 or Higher		
MTH110, MTH112, MTH113, MTH115, MTH120, MTH125, MTH126, MTH227		
BIO103, BIO104, CHM111, CHM112, PHS111, PHS112, PHY201, PHY202		

Area IV: History, Social, and Behavioral Sciences (3 Semester Hours Total)

Courses	Courses Taken	Hours Earned
ECO231, ECO232, HIS121, HIS122, HIS201, HIS202, PSY200, PSY210,		

Area V: Pre-Professional, Major, and Elective Courses (50 Semester Hours Total)

Courses	Credit Hours	Courses Taken	Hours Earned
Major Core Concentration (33 Semester Hours)			
ADM105 - Fluid Systems	3		
ADM111 - Manufacturing Safety Practices	3		
ELT108 - DC Fundamentals	3		
ELT109 - AC Fundamentals	3		
ELT114 - Residential Wiring Methods	3		
ELT115 - Residential Wiring Methods II	3		
ELT117 AC/DC Machines	3		
ELT118 - Commercial/Industrial Wiring I	3		

ELT209 - Motor Controls I	3		
ELT230 - Programmable Controls	6		
Elective Courses (15 Semester Hours) ELT253, ELT254, and INT126 are highly recommended.			
ADM101 - Precision Measurement	3		
ADM106 - Quality Control Concepts	3		
ELT231 - Introduction to Programmable Controllers	3		
ELT241 - National Electric Code	3		
ELT253 - Industrial Robotics	3		
ELT254 - Robot Maintenance and Troubleshooting	3		
ELT219 - Fluid Power Systems	3		
INT126 - Preventive Maintenance	3		
ADM283 - CO-OP	3		
REN215 – PV System Installation and Servicing Procedures	3		
Institutional Requirements (2 Semester Hours)			
ORI101 Take in the first semester unless student has 12 transfer credit hours			
BSS220 Take in last semester of program			

In Area I through Area IV, transfer credits are accepted in accordance to ACCS policy.

For additional courses see http://stars.troy.edu/approved_courses.html

Total Semester Hours Required for Degree: 72

Student Name:	Signature of Advisor:
Student Number:	Date of Advising:
Total Credit Hours Earned:	Date Audited by Admissions:

Certificate and Short Term Certificates are available:

- Electrical Wiring CER 38 hrs.
- Electrical Fundamentals ELT-STC1 9 hrs.
- Preventive Maintenance ELT-STC2 12 hrs.
- Robotics ELT-STC3 9 hrs.