Courses that must be **completed** by journey persons or master electricians to receive the Associate of Applied Science degree in Electrical Technology:

Technical-

- ELT 2113 Equipment Maintenance, Troubleshooting and Repair   3 SH
- ELT 1413 Motor Control Systems   3 SH
- ELT 2423 Solid State Motor Control   3 SH
- ELT 2613 Programmable Logic Controllers   3 SH
- ELT 2623 Advanced Programmable Logic Controllers   3 SH
- ELT 2913 Special Project I   3 SH
- Technical Elective as listed in Program   3 SH

21 SH

General Education-
- ENG 1113 English Composition I   3 SH
- SPT-1113 Public Speaking I or SPT-2173 Personal Communication   3 SH
- Humanities/Fine Arts Elective   3 SH
- Mathematics/Lab Science Elective   3-4 SH
- Social/Behavioral Science Elective   3 SH

15-16 SH

Courses that are **awarded** to the journey person or master electrician examination for completion of Associate of Applied Science degree in Electrical Technology after passing and providing the license and transcript of education provided through MCEF or NJATC:

Technical-
- ELT 1144 AC & DC Circuits for Electrical Technology   4 SH
- ELT 1193 Fundamentals of Electricity   3 SH
- ELT 1113 Residential Wiring   3 SH
- ELT 1123 Commercial Wiring   3 SH
- ELT 1213 Electrical Power   3 SH
- ELT 1253 Branch Circuit & Service Entrance Calculations   3 SH
- ELT 1263 Electrical Drawing & Schematics   3 SH
- ELT 1133 Applications of the National Electrical Code   3 SH

25 SH