



## SUNY NIAGARA

### Electronics Technology, A.A.S.

#### Overview

The Electronics Technology AAS program at SUNY Niagara prepares students for a variety of careers utilizing electronics expertise, including mechanical repair and maintenance, biomedical engineering, industrial automation and robotics, avionics, aeronautics, and telecommunications.

#### Careers

- Electronics Technician
- Electrical Control Technician
- Electrical Technician
- Electronic Repair Technician
- Biomedical Equipment Technician
- Testing Technician
- Quality Control Technician
- Electronics Assembler

#### Contact

##### Program Coordinator

Sal Sciandra/716-614-6867

[ssciandr@niagaracc.suny.edu](mailto:ssciandr@niagaracc.suny.edu)

##### Division

Business & STEM

716-614-6410

Visit full catalog for specific course

offerings for each semester:

[www.niagaracc.suny.edu/electronics-technology-program/](http://www.niagaracc.suny.edu/electronics-technology-program/)

#### Program Requirements

##### First Semester

	<b>Credits</b>
ELT 110/L – Principles of Electricity w/Lab	4
ELT 115/L – Electronic Principles I w/Lab	3
ENG 101 – Writing I	3
MAT 111 – Advanced Algebra & Trigonometry	4
MET 110 – Engineering Drawing I	2
<b>Total Credit Hours:</b>	<b>16 Cr.</b>

##### Second Semester

ELT 112/L - Principles of Electricity II w/ Lab	3
ELT 132/L – Digital Systems I w/Lab	3
ELT 216/L – Electronics Principles II/Lab	3
TEC 120 – Applied Engineering Mechanics	3
TEC 121L – Applied Engineering Mechanics Lab	1
SPE 101 – Speech Communication	3
<b>Total Credit Hours:</b>	<b>16 Cr.</b>

##### Third Semester

ELT 221/L – Power Systems Principles w/Lab	3
ELT 233/L- Digital Systems II w/Lab	3
ELT 250 – Electrical Design Drafting CADD	2
TEC 110 - Introduction to Technical Calculations	1
DRF 279 – Technical Seminar	1
PHY 152/L – Wave Motion, Heat and Light w/Lab	4
<b>Total Credit Hours:</b>	<b>14 Cr.</b>

##### Fourth Semester

ELT 234 – Advanced Digital Systems	3
ELT 235/L – Instrument & Control Systems w/Lab	3
ELT 240 – PLC Programming	3
SOC 101 – Introduction to Sociology	3
____ - General Education/Liberal Arts elective	3
<b>Total Credit Hours:</b>	<b>15 Cr.</b>