

**Degree: 3912 Electronics Technology: Electronics Engineering Technology (AAS)**  
Course List by Semester

Fall Semester 1

Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1130	Electronics Materials and Fabrication	2
Elect 1141	Digital Fundamentals	3
Cis 1400	Programming Logic and Technique	4
Math 1431	Precalculus I	5
Engli 1101	English Composition 1	3
TOTAL		19

Spring Semester 2

Elect 1101	Circuits I	3
Elect 1120	Electronic Documentation	2
Elect 1151	Electronic Devices and Applications I	4
Elect 1161	Electronic Communication 1	4
Physi 1201	General Physics	5
TOTAL		18

Fall Semester 3

Elect 1102	Circuits II	4
Elect 1118	Calculus for Electronics	2
Elect 1152	Electronic Devices and Applications 2	4
Elect 1162	Electronic Communication 2	4
Elect 2255	Industrial Controls	3
TOTAL		17

Spring Semester 4

Math 1432	Precalculus II: Trigonometry	3
Physi 1202	General Physics II	5
Spec 1100	Fundamentals of Speech Communication	3
General Education		6
TOTAL		17

TOTAL DEGREE REQUIREMENTS 71

## **Certificate: 4912 Electronics Manufacturing**

### Course Schedule by Semester

#### Fall Semester

Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1130	Electronics Materials and Fabrication	2
Elect 1141	Digital Fundamentals	3
Elect 2112	Motor Control	3
Elect 2255	Industrial Controls	3
Math 1428	College Algebra with Applications	3
TOTAL		16

#### Spring Semester

Elect 1101	Circuits I	3
Elect 1120	Electronic Documentation	2
Elect 1151	Electronic Devices and Applications I	4
Elect 1161	Electronic Communication 1	4
Elect 2273	Real-Time Systems and Programming	3
TOTAL		16

TOTAL HOURS REQUIRED 32

**Certificate: 4913 Controls and Automation**

Course List by Semester:

Fall Semester 1

Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1130	Electronics Materials and Fabrication	2
Elect 1141	Digital Fundamentals	3
Cis 1400	Programming Logic and Technique	4
Math 1428	College Algebra with Applications	3
TOTAL		14

Spring Semester 2

Elect 1101	Circuits I	3
Elect 1120	Electronic Documentation	2
Elect 1151	Electronic Devices and Applications I	4
Elect 1161	Electronic Communication 1	4
Elect 2273	Real-Time Systems and Programming	3
TOTAL		16

Fall Semester 3

Elect 1102	Circuits II	4
Elect 2112	Motor Control	3
Elect 2255	Industrial Controls	3
Engli 1101	English Composition 1	3
TOTAL		13

TOTAL HOURS REQUIRED		43
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## **Certificate: 4925 Electronics Technology Certificate**

### Course List by Semester:

#### Fall Semester 1

Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1130	Electronics Materials and Fabrication	2
Elect 1141	Digital Fundamentals	3
Cis 1400	Programming Logic and Technique	4
Math 1428	College Algebra with Applications	3
TOTAL		14

#### Spring Semester 2

Elect 1101	Circuits I	3
Elect 1120	Electronic Documentation	2
Elect 1151	Electronic Devices and Applications I	4
Elect 1161	Electronic Communication 1	4
TOTAL		13

#### Fall Semester 3

Elect 1102	Circuits II	4
Elect 1152	Electronic Devices and Applications 2	4
Elect 1162	Electronic Communication 2	4
Elect 2255	Industrial Controls	3
TOTAL		15

TOTAL HOURS REQUIRED 42