

## Electrical Systems Technology (A35130)

Student: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Student ID: \_\_\_\_\_ Advisor: \_\_\_\_\_

### Associate in Applied Science Degree A35130

#### Course Requirements and Suggested Sequence

<b>First Semester (fall)</b>	<b><u>Co-Req/Prerequisites</u></b>	<b><u>Class</u></b>	<b><u>Credit</u></b>
___ ELC-118 National Electrical Code		1	2
___ ELC-132 Electrical Drawing		1	2
___ ALT-120 Renewable Energy		2	3
___ <b>ENG-111 Writing &amp; Inquiry</b>	ENG 011/BSP 4002	3	3
___ <b>Humanities /Fine Arts Elective</b>		3	3
___ ACA-111 College Student Success		1	1
___ CIS-110 Intro to Computers		2	3
Total Hours	17		

<b>Second Semester (spring)</b>			
___ ELC-113 Residential Wiring		2	4
___ ELC-114 Commercial Wiring		2	4
___ ELC-119 NEC Calculations		1	2
___ ELC-215 Electrical Maintenance		2	3
___ ELC-138 DC Circuit Analysis		3	4
Total Hours	17		

<b>Third Semester (fall)</b>			
___ ELC-139 AC Circuit Analysis		3	4
___ ELC-128 Intro to PLC		2	3
___ ELN-131 Analog Electronics I		3	4
___ <b>ENG-112 Writing/Research in the Disciplines</b>	ENG-111	3	3
___ <b>Social/Behavioral Elective</b>		3	3
Total Hours	17		

<b>Fourth Semester (spring)</b>			
___ ELC-117 Motor & Controls		2	4
___ ELN-133 Digital Electronics		3	4
___ ISC-121 Envir Health & Safety		3	3
___ MAT-110 Math Measurement & Literacy		2	3
___ ELC-111 Intro to Electricity		2	3
Total Hours	17		

**TOTAL DEGREE HOURS**                      **68**

**\*Bolded Courses are Transferable.**

## **Electrical Systems Technology Certificate I (C35130A)**

### **Course Requirements and Suggested Sequence**

<b>First Semester (fall)</b>	<b><u>Co-Req/Prerequisites</u></b>	<b><u>Class</u></b>	<b><u>Credit</u></b>
___ ELC-113 Residential Wiring		2	4
___ ELC-132 Electrical Drawing		1	2
___ ELC-111 Intro to Electricity		2	3
___ ISC-121 <i>Envir Health &amp; Safety**</i>		3	3
TOTAL CERTIFICATE HOURS	12		

**ISC 121 is sometimes offered during the Spring Semester**

## **Electrical Systems Technology Certificate II (C35130B)**

### **Course Requirements and Suggested Sequence**

<b>First Semester (fall)</b>	<b><u>Prerequisites</u></b>	<b><u>Class</u></b>	<b><u>Credit</u></b>
___ ELC-117 Motors & Controls		2	4
___ ELC-128 Intro to PLC		2	3
___ ELC-114 Commercial Wiring		2	4
___ ISC-121 <i>Envir Health &amp; Safety***</i>		3	3
TOTAL CERTIFICATE HOURS	14		

**ISC 121 is sometimes offered during the Spring Semester**

## CCP Electrical Systems Technology Certificate I (C35130C1)

### Course Requirements and Suggested Sequence

<b>First Semester (fall)</b>	<b><u>Co-Req/Prerequisites</u></b>	<b><u>Class</u></b>	<b><u>Credit</u></b>
___ ELC-113 Residential Wiring		2	4
___ ELC-132 Electrical Drawing		1	2
___ ELC-111 Intro to Electricity		2	3
___ ISC-121 <i>Envir Health &amp; Safety</i> **		3	3
TOTAL CERTIFICATE HOURS		12	

**ISC 121 is sometimes offered during the Spring Semester**

## CCP Electrical Systems Technology Certificate II (C35130C2)

### Course Requirements and Suggested Sequence

<b>First Semester (fall)</b>	<b><u>Prerequisites</u></b>	<b><u>Class</u></b>	<b><u>Credit</u></b>
___ ELC-117 Motors & Controls		2	4
___ ELC-128 Intro to PLC		2	3
___ ELC-114 Commercial Wiring		2	4
___ ISC-121 <i>Envir Health &amp; Safety</i> ***		3	3
TOTAL CERTIFICATE HOURS		14	

**ISC 121 is sometimes offered during the Spring Semester**