

## Electrical Systems Certificate (C35130A) – 18 Credit Hours

2022 -2023

Fall – 1 <sup>st</sup> Year				
Course Number	Course Name	Lec	Lab	Credit
ELC 118	National Electrical Code ★ (A)	1	2	2
ELC 131	Circuit Analysis I	3	3	4
ELC 131A	Circuit Analysis I LAB	0	3	1
<b>Total</b>				<b>7</b>

- ★ - Designates classes preparing students to sit for electrical contracting limited license  
(A) – Students may receive credit for this course by successfully completing the articulated non-credit course, or submitting evidence of an articulated industry certification.  
See: <https://spcc.edu/credit-articulation-at-spcc/>

Spring – 1 <sup>st</sup> Year				
Course Number	Course Name	Lec	Lab	Credit
ELC 113	Residential Wiring ★ (A) (or)	2	6	4
ELC 115	Industrial Wiring (A)	2	6	4
ELC 117	Motors and Controls (A)	2	6	4
ELC 128	Introduction to PLC ★ (A)	2	3	3
<b>Total</b>				<b>11</b>

**NOTE:**

Students may choose between ELC 113 and ELC 115. Take only one of the two courses.