

# LEA/LEB Apprenticeship

LEA/LEB • Fall 2020

## Course description

This class is for tradesmen apprentices in the Limited Energy Technician program but is open to anyone desiring an Introduction to Electricity and Electronics. Topics this term include: Basic Electrical Theory, basic electrical controls, and NEC 2020 Code testing.

## Course objectives

To provide basic knowledge for the Limited Energy Technician LEA and LEB apprenticeships.

## Pre Requirements

Check with the course provider.

## Materials Needed

Books needed:

**All Classes:** Mike Holt Basic Electrical Theory (BET)  
978-1-932685-39-8

**APR 121:** Electronic Systems Technician - Level One (EST)  
978-0132137096

**APR 122:** Electronics Systems Technician - Level Two (EST)  
978-0132137126

**APR 123:** Electronic Systems Technician - Level Three (EST)  
978-0132578233

## Grading Scale

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

## Grading Policy and Procedures

Attendance is required each week. All assignments will be due by the end of the week. Late assignments will be graded with a 10% grade reduction. This is apprenticeship and a passing grade for this class is a "C" or better.

## Darin Saunders

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### Week 1

Sep 28 2020

- Attendance
- Syllabus
- Books Required
- The History of Electricity

### Week 2

Oct 5 2020

- Attendance
- Flex Assignments TBA

### Week 3

Oct 12 2020

- Attendance
- All classes: BET Unit 1
- APR121: EST 101
- APR122: EST 201
- APR123: EST 301
- Flex Assignments TBA

### Week 4

Oct 19 2020

- Attendance
- All classes: BET Unit 2
- APR121: EST 102
- APR122: EST 202
- APR123: EST 302
- Flex Assignments TBA

### Week 5

Oct 26 2020

- Attendance
- All classes: BET Unit 3
- APR121: EST 103
- APR122: EST 203
- APR123: EST 303
- Flex Assignments TBA

**Final Exam:**

There will be one final exam. It is the general policy of our department to not provide for make-up work and/or exams without previous authorization. Excused absence and/or prior contact with the instructor are required for exams that are missed.

**Diversity Achievement Center**

"If you need help finding help at LBCC, drop in to the Diversity Achievement Center. If you are not sure how to accomplish your goals at college, don't know where to go or how to ask for help, drop in to the DAC." DAC location 2<sup>nd</sup> floor Student Union/Forum Building.

**Disabilities Services and Emergency Planning**

Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency should speak with their instructor during the first week of class. If you believe you may need accommodations but are not yet registered with the Center for Accessibility Resources (CFAR), please visit the [CFAR Website](#) for steps on how to apply for services or call (541) 917-4789.

**Instructor Notes**

Make sure and text, email, and or call me anytime you need some help. Emails would always be best, but any method is acceptable. I do work another job full time so I will answer as soon as possible.

If you are new, make sure you sign into Moodle. All your attendance and assignments will be through Moodle.

You are allowed to work ahead if you see future assignments on future dates. Log in by each week and mark attendance.

## Week 6

Nov 2 2020

- Attendance
- All classes BET Unit 4
- APR121: EST 104
- APR122: EST 204
- APR123: No EST this week
- Flex Assignments TBA

## Week 7

Nov 9 2020

- Attendance
- All Classes: BET Unit 5
- APR 121: EST 105
- APR 122: EST 205 & 206
- APR123: EST 304
- Flex Assignments TBA

## Week 8

Nov 16 2020

- Attendance
- All Classes: BET Unit 6
- APR121: EST 106
- APR122: EST 207
- APR123: EST 305
- Flex Assignments TBA

## Week 9

Nov 23 2020

- Attendance
- All Classes: BET Unit 7 & 8
- APR121: EST 108
- APR122: EST 208 & 209
- APR123: EST 306
- Flex Assignments TBA

## Week 10

Nov 30 2020

- Attendance
- All Classes: BET Unit 9
- APR121: No EST this week
- APR122: EST 210
- APR123: EST 307
- Flex Assignments TBA

## Week 11

Dec 7 2020

- Attendance
- Final Test

