

# LEA/LEB

## Apprenticeship

LEA/LEB • Winter 2022

### 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 2017 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:

Mike Holt Basic Electrical Theory 978-1-932685-39-8

Ugly's Electrical Reference 978-1284119367

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

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

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

### Grading Scale

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

### Grading Policy and Procedures

Your grade will be based on a combination of exams, lab time, and attendance. A late assignment will have a 10% score reduction. All assignments must have your name or they will not be graded and entered. Due dates will be on each assignment.

Attendance credit will be lost if you show up late or leave early. You earn 1 point for attending every 60 minutes. This is how I track classroom hours you have earned for the term.

### Final Exam:

There will be one written final exam. It is the general policy of our department to not provide for make-up work and/or exams without previous authorization.

## Darin Saunders

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### Week 1

January 3

- Attendance
- An introduction to Syllabus
- Class materials review
- Flex Assignment

### Week 2

January 10

- Attendance
- Tools of the job
- Flex Assignment

### Week 3

January 17

- Attendance
- BET 10
- APR 121:EST 33101
- APR 122:EST 33201
- APR 123:EST 33301

### Week 4

January 24

- Attendance
- BET 11
- APR 121:EST 33102
- APR 122:EST 33202
- APR 123:EST 33302

### Week 5

January 31

- Attendance
- BET 12
- APR 121:EST 33103
- APR 122:EST 33203
- APR 123:EST 33303
- Mid Term prep

### Week 6

February 7

- Attendance
- BET 13
- APR 121:EST 33104
- APR 122:EST 33204 & 33205
- APR 123:EST 33304

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.

### **Department Policy**

Use of cell phones and laptop computers during class. It is a policy of the department to restrict the use of cell phones and laptop computers during lectures and laboratory activities. At the beginning of each class turn cell phones and laptop computers off and or silence. Cell phone calculators will be allowed.

## *Week 7*

February 14

- Attendance
- BET 14
- APR 121:EST 33105
- APR 122:EST 33206
- APR 123:EST 33305

## *Week 8*

February 21

- Attendance
- APR 121:EST 33106
- APR 122:EST 33207 & 33208
- APR 123:EST 33306

## *Week 9*

February 28

- Attendance
- BET 15
- APR 121:EST 33107 & 33108
- APR 122:EST 33209 & 33210
- APR 123:EST 33307

## *Week 10*

March 7

- Attendance
- Flex Assignment
- Last week to turn in late assignments
- Final Exams

## *Week 11*

March 14

- Attendance
- Finish Final Exams
- Flex Assignment