

# Phys 321: Electronics

## Physics & Astronomy

This course is an introduction to applications in electronics for scientists. The course will use microcontroller and/or microprocessor- based single board systems to teach, design, and illustrate topics including passive components, AC circuit theory, semiconductors, amplifiers, and sensors. Standard laboratory practices and procedures will be emphasized throughout, including the use and interpretation of standard test equipment, hand tools, and safety.

4 Credits

### Prerequisites

- [Math 262: Unified Calculus & Analytic Geometry II](#) \$target.descriptions.MinimumGrade\$
- Pre-Requisite: 24 Earned Hours
- Phys 212 or Phys 214

### Instruction Type(s)

- Lecture: Lecture/Lab for Phys 321

### Course Fee(s)

#### Astronomy and Physics

- \$195.00

#### Astronomy and Physics 1

- \$225.00

### Subject Areas

- [Physics, General](#)

### Related Areas

- [Acoustics](#)
- [Atomic/Molecular Physics](#)
- [Condensed Matter and Materials Physics](#)
- [Elementary Particle Physics](#)
- [Nuclear Physics](#)
- [Optics/Optical Sciences](#)
- [Physics, Other](#)
- [Theoretical and Mathematical Physics](#)

