

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

- <u>Math 262: Unified Calculus & Analytic Geometry II</u>
- 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

- <u>Acoustics</u>
- Atomic/Molecular Physics
- Condensed Matter and Materials Physics
- Elementary Particle Physics
- <u>Nuclear Physics</u>
- Optics/Optical Sciences
- Physics, Other
- <u>Theoretical and Mathematical Physics</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

