

Founded in 1927, Austin Peay State University is a comprehensive, state-assisted university with an enrollment of approximately 9,000 students. APSU was named in honor of the late Tennessee Governor Austin Peay, who served from 1923–1927.

With a main campus in Clarksville, Tenn. and a satellite campus on post at Fort Campbell, Ky., APSU is one of 47 universities, community colleges and technology centers in the Tennessee Board of Regents system, the sixth largest system of higher education in the nation. The University offers a full range of academic programs at the associate, baccalaureate and master's degree levels in the arts, sciences, business and selected professional programs. APSU offers 13 online degree programs and hundreds of Web-based classes. Among APSU's many points of distinction are its outstanding programs in the sciences, two centers of excellence in the creative arts and field biology and four chairs of excellence in the creative arts, business, free enterprise and nursing.

An integral part of Clarksville, a rapidly growing city of more than 100,000 located 45 minutes northwest of Nashville, the University led the state in enrollment growth in recent years. Since 2000, Austin Peay has renovated and erected numerous top-of-the-line facilities on its 160-acre main. Of the universities offering classes on post at Fort Campbell, only APSU has been given permission to construct its own building. The University enrolls more students at the Fort Campbell Center than the other five institutions combined.

**Research Associate
Physics & Astronomy Department
Regular Full-Time Position
Position Number 216000**

General Description

The Research Associate reports to the Departmental Chairperson and performs research in physics and materials science both collaboratively with APSU faculty and independently. The Research Associate is also responsible for the maintenance of all Physics department laboratory equipment for both introductory level and upper division labs.

Primary Duties and Responsibilities

- Perform research in physics and materials science both collaboratively with APSU faculty and independently.
- Conduct appropriate research and scholarly/creative activity within the discipline.
- Assist in publication and dissemination of research results to include presenting results at scholarly meetings.
- Be involved in grant writing.
- Mentor undergraduate research projects when appropriate.
- Educate and assist faculty and students on the use of research equipment and techniques used in the science of materials.
- Assist students and faculty with operation of laboratory equipment.
- Provide training and enforce appropriate laboratory safety procedures.
- Maintain, repair, organize and order laboratory equipment.
- Construct new laboratory equipment and experimental apparatus.
- Perform other job-related duties as assigned.

Essential Functions

- Demonstrated willingness and ability to work effectively with colleagues to support the mission of the institution and related academic units.
- Ability to conduct appropriate research and scholarly/creative activity within the discipline.
- Ability to effectively utilize the materials and resources of the Felix G. Woodward Library.
- Demonstrated evidence of continuing professional development and growth by being suitably active in professional and community service.
- Ability to exhibit motivation and initiative in keeping up-to-date and current in one's research area by reading/reviewing current scholarly or creative works in their field and by attending conferences, seminars, workshops, courses, and development activities sponsored by the University.
- Ability to effectively operate laboratory and manage Physics shops.
- Ability to communicate effectively and appropriately.
- Ability to maintain confidentiality.
- Ability to assist students in the use of laboratory equipment.
- Ability to properly set up laboratory equipment and maintain inventory.
- Ability to interact in an effective and appropriate manner with diverse populations, the University community and the public.

Required Minimum Qualifications

- PhD in materials science.
- Experience with the following experimental techniques/apparatus: thermal characterization of materials (differential scanning calorimetry, thermogravimetric analysis.); spectroscopy (FTIR, UV-VIS, Raman, photoluminescence); magnetic properties studies (SQUIDs); X-Ray diffraction; Elemental Analysis (direct and inductively coupled plasma atomic emission); Electrical characterization; Scanning Electron Microscopy; Nuclear Magnetic Resonance.
- A working knowledge of safe machine shop practice.
- A background check will be required for the successful applicant.

IT IS A CLASS A MISDEMEANOR TO MISREPRESENT ACADEMIC CREDENTIALS