

**Center for Electron Microscopy and Analysis,  
College of Engineering**

**Post doctoral researcher**

**EXPECTED HIRE DATE:** This position is immediately available.

**REQUIRED QUALIFICATIONS:**

Doctoral Degree in materials science or relevant field of science or engineering; extensive experience in aberration corrected electron microscopy and associated techniques; ability to comply with export control regulations and handle confidential information and data; advanced knowledge and experience with electron microscopes; excellent written and verbal communication skills; ability to work dynamically in a diverse team environment; ability to translate, adapt, and apply academic and/or practical knowledge. Please note that pursuant to a government contract, this specific position requires U.S. citizenship status.

Desired: A broad background and interest in interdisciplinary science; ability to apply fundamental concepts and techniques developed in one discipline to a variety of (and perhaps incompletely defined) problems traditionally associated with other disciplines.

**JOB DESCRIPTION:**

The successful candidate will participate in planning, design, and execution of research projects in a broad set of activities across several scientific disciplines. They will perform complex experiments and perform research in an area of considerable scope and complexity, ranging from soft to hard materials, in which existing theory or methods may be limited or lacking. This position will perform High-Resolution Electron Microscopy, High-Resolution Chemical Mapping, Focused Ion Beam Microscopy, Optical Microscopy, and/or Electron/X-ray Tomography. The successful candidate will perform sample preparation, as well as collect, analyze, and interpret research data. In addition, these positions will assist in preparing progress and final research reports, and present data findings at scientific meetings. The successful candidate will spend majority (60-70%) of time working in research teams at WPAFB and the remaining time at CEMAS; therefore this position requires frequent travel between Dayton and Columbus, Ohio.

**HOW TO APPLY:**

To be considered, apply online at <https://www.jobsatosu.com/postings/96657>

Job ID#: 451604

**CONTACT:**

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CEMAS Administrative Coordinator  
614-643-3110

**PHYSICAL  
SCIENCES**

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