

## **New building complex, faculty positions at Ohio State**

The **Biomedical and Materials Engineering Complex** and four new faculty positions will expand expertise and facilities to grow strategic connections between materials and medicine, foster innovative instruction, and support core strengths.

Scheduled to open in 2020, the building project will transform and expand two existing engineering buildings on West 19th Avenue into a five-floor, 120,000 sq. ft. facility that will house the MSE and Biomedical Engineering departments. The project will:

- showcase teaching and research by employing an open architecture and a four-story atrium;
- create over 8,000 sq. ft. of multidisciplinary laboratory space to train the largest and most diverse undergraduate student body in our 145-year history;
- foster innovations in biomaterials synthesis and applications, corrosion, and functional materials in the heart of the main campus and in close proximity to The Ohio State University Wexner Medical Center.

***We are launching searches for four new faculty positions in 2018-19 to leverage the new complex:***

### **Polymer/Biomaterials Synthesis and Processing (2 positions)**

Two interdisciplinary tenure-track faculty positions in Materials Science and Engineering will bridge expertise in polymer/biomaterials synthesis and processing with several academic units – including the departments of Chemical and Biomolecular Engineering, Chemistry and Biochemistry, Biomedical Engineering, and College of Medicine. A key objective is to create a pathway from the fundamental chemistry associated with polymer synthesis to application areas in medicine involving implant modification, tissue engineering, 3D printing, brain injury and chronic neurodegenerative diseases, cancer, and other challenges within medicine. See <http://go.osu.edu/MSEgrow1> and <http://go.osu.edu/MSEgrow2>

### **Corrosion Science and Engineering**

A tenure-track faculty position in Materials Science and Engineering will deepen and complement existing departmental strengths in corrosion, materials characterization, and computational materials science, and build on decades of expertise in the [Fontana Corrosion Center](#). Particular areas of interest include multi-scale modeling of corrosion phenomena, corrosion-mediated failure mechanisms and/or high temperature corrosion/oxidation. Other specializations in corrosion will also be considered. See <http://go.osu.edu/MSEgrow3>

### **Materials and Society**

A clinical faculty position in Materials Science and Engineering will develop and teach undergraduate courses with a focus on experiential learning and innovation, laboratory instruction, and materials in a societal context. The position will include activities that capitalize on university-wide initiatives, including general education [curriculum revision and new courses](#) in thematic areas of citizenship and the [Ohio State Digital Flagship Initiative](#). See <http://go.osu.edu/MSEgrow4>.

*The Ohio State University College of Engineering and Department of Materials Science and Engineering are strongly committed to promoting diversity and inclusion in all areas of scholarship, instruction, and outreach.*