Metallurgical, Materials and Biomedical Engineering

Graduate students in Metallurgical, Materials and Biomedical Engineering are involved with academic studies and research programs that focus on understanding the structure, properties, processing, and performance of materials, including the development of new or improved materials and advanced processing methods. These are the critical links between the design and the realization of new materials systems. Materials and materials limitations pervade all of the engineering and high technology fields that are an integral part of our society and its economic infrastructure. The challenges and opportunities for graduates in metallurgical and materials engineering are certainly exciting and exceptional.

Programs

Master of Science

- M.S. in Biomedical Engineering (http://catalog.utep.edu/archive/2019-2020/grad/college-of-engineering/metallurgical-materials-engineering/20biomedical-engineering-ms/)

Doctor of Philosophy

- Ph.D. in Biomedical Engineering (http://catalog.utep.edu/archive/2019-2020/grad/college-of-engineering/metallurgical-materials-engineering/20biomedical-engineering-phd/)

Graduate Certificate


CHAIR: Dr. Stella A. Quinones (https://academics.utep.edu/Default.aspx?tabid=71778/)

Professor

Thomas Boland (http://facultyprofile.utep.edu/default.aspx?ID=tboland/)
Contact Information: tboland@utep.edu (mtcortez@utep.edu); 915-747-7992
Education: BS, Ecole Nationale Supérieure d'Ingénieurs de Genie Chimique Chem E; Ph D, University of Washington; Post doctoral, Pennsylvania State University
Research Interests: biomaterials, inkjet printing, tissue engineering

Devesh Misra (http://facultyprofile.utep.edu/default.aspx?ID=dmisra2/)
Contact Information: dmisra2@utep.edu (mtcortez@utep.edu); 915-747-8679
Education: BS, Indian Institute of Technology, Banaras Hindu University; Certificate of Postgraduate Study in Natural Sciences, University of Cambridge; Ph D, University of Cambridge

Lawrence Murr (http://facultyprofile.utep.edu/default.aspx?ID=lemurr/)
Contact Information: lemurr@utep.edu (mtcortez@utep.edu); 915-747-6929
Education: BSEE, Pennsylvania State University; BS, Albright College; MS, Pennsylvania State University; Ph D, Pennsylvania State University

Stephen Stafford (http://facultyprofile.utep.edu/default.aspx?ID=stafford/)
Contact Information: stafford@utep.edu (mtcortez@utep.edu); 915-747-6930
Education: BS, UTEP; Ph D, Rice University

Shailendra Varma (http://facultyprofile.utep.edu/default.aspx?ID=skvarma/)
Contact Information: skvarma@utep.edu (mtcortez@utep.edu); 915-747-6937
Education: B.E, University of Roorkee; MS, University of Denver; Ph D, Georgia Institute of Technology
Associate Professor

Namsoo Kim (http://facultyprofile.utep.edu/default.aspx?ID=nkim/)
Contact Information: nkim@utep.edu (mtcortez@utep.edu); 915-747-7996
Education: Ph D, South Dakota School of Mines and Technology

Xiujun (James) Li (http://facultyprofile.utep.edu/default.aspx?ID=xli4/)
Contact Information: xli4@utep.edu (mtcortez@utep.edu); 915-747-8967
Education: BS, Qingdao University; MS, Shandong University; Ph D, Simon Fraser University; Postdoctoral, University of California, Berkley; Postdoctoral, Harvard University
Research Interests: Bioanalysis, Microfluidics, Lab on a chip, biomedical applications, pathogen detection, DNA analysis, cellular analysis.

David Roberson (http://facultyprofile.utep.edu/default.aspx?ID=droberson/)
Contact Information: droberson@utep.edu (mtcortez@utep.edu); 915-747-5924
Education: Ph D, University of Texas at El Paso

Assistant Professor

Binata Joddar (http://facultyprofile.utep.edu/default.aspx?ID=bjoddar/)
Contact Information: bjoddar@utep.edu (mtcortez@utep.edu); 915-747-8456
Education: BS, Pune University; MS, Jadavpur University; Ph D, Clemson University; Post-doc, The Ohio State University

Guikuan Yue (http://facultyprofile.utep.edu/default.aspx?ID=gyue/)
Contact Information: gyue@utep.edu (mtcortez@utep.edu); 915-747-6934
Education: Ph D, University of British Columbia