

MATERIALS SCIENCE AND ENGINEERING

Advances in technology are closely linked to the materials that people can design, manipulate, and produce. How we live is connected to our abilities to process materials and manufacture products; to develop and design nontraditional as well as traditional materials for an increasingly broad range of industries; and to research and develop high-performance materials for practical applications in coming decades. The materials that change the way we live may be the next generation of superalloys for applications in extreme conditions such as high-temperature or highly corrosive environments; new materials for application in energy generation, storage, and transmission; organic and inorganic materials for use and integration in applications ranging from electronics to medicine; or new materials systems yet to be developed for the ever-increasing needs of our society. Materials experts find employment in a broad range of industries and may practice experimental, computational, or theoretical materials science and engineering, or all of these in combination. The undergraduate curriculum leads to the Bachelor of Science Degree in Materials Science and Engineering. The curriculum is designed to prepare students with the foundation needed to thrive in broad and rapidly changing industries that are based on materials. It also provides substantial flexibility, through electives and with the assistance of a materials science and engineering faculty advisor, for tailoring to students' specific interests within the materials field. Science, engineering, teamwork, broad thinking, and communication skills all are integral parts of the curriculum. Graduates are well prepared for careers in industry or for graduate studies.

DEGREES/MAJORS/CERTIFICATES

- Materials Science and Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/materials-science-engineering/materials-science-engineering-bs/>)

PEOPLE

PROFESSORS

Izabela Szlufarska (Chair)
 Michael S. Arnold
 Susan Babcock
 Chang-beom Eom
 Paul Evans
 Padma Gopalan
 Sindo Kou
 Roderic Lakes
 Dane Morgan
 John Perepezko
 Ian Robertson
 Kumar Sridharan
 Donald Stone
 Dan J. Thoma
 Paul Voyles
 Xudong Wang

ASSOCIATE PROFESSORS

Jason Kawasaki

ASSISTANT PROFESSORS

Dawei Feng
 Jiamian Hu
 Fang Liu
 Hyunseok Oh
 Daniel Rhodes
 Jun Xiao

ASSISTANT TEACHING PROFESSORS

Franklin Hobbs

See also Materials Science and Engineering Faculty Directory (<https://directory.engr.wisc.edu/mse/faculty/>).