AFYON KOCATEPE ÜNİVERSİTESİ

MATERIALS SCIENCE AND ENGINEERING DEPARTMENT

The Department Where Innovation Arises

ABOUT OUR DEPARTMENT

Our department started its educational activities under the name of Ceramic Engineering in the 1995-1996 academic year, and the name of our department was changed to Materials Science and Engineering in the 2005-2006 academic year. In our department, there are 2 Professors, 4 Associate Professors, 1 Doctoral Faculty Member, and 4 Research Assistants. Basically, practical courses, as well as research and development activities, are carried out in the given laboratories: Ceramics Laboratory, Metal Laboratory, Polymer Laboratory, Composite Laboratory, Electroceramics Laboratory, Glass Materials Laboratory, Battery Technologies Laboratory, Heat Treatment Laboratory, and Technology Application and Research Center (TUAM). Furthermore, our students have the opportunity to increase their practical skills during their internships, as well as owing to with the Engineering Design and Engineering Practice (Graduation Thesis) courses in the 7th and 8th semesters.

A MATERIALS SCIENTIST AND ENGINEER; is mainly focused on developing ceramics, metals, polymers, and composites based upon using natural and synthetic raw materials of organic and inorganic origins. Additionally, a materials scientist and engineer make use of these material systems with the concept of design, production, and development for the benefit of humankind. In our department, there are many research topics including polymer composites, radiation shielding glass materials,

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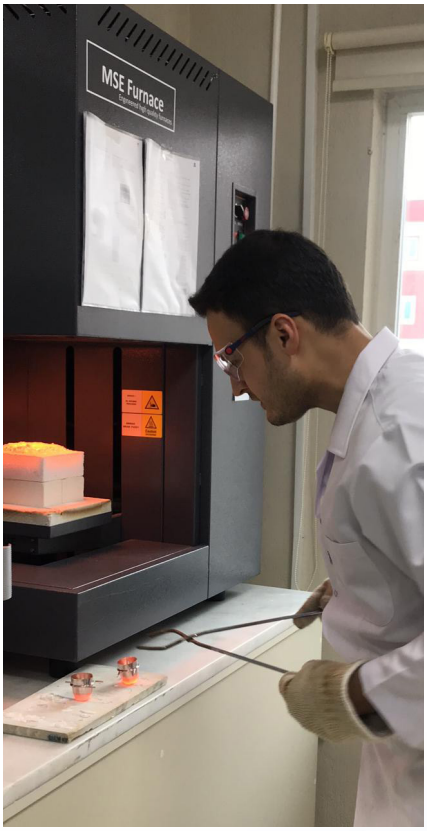
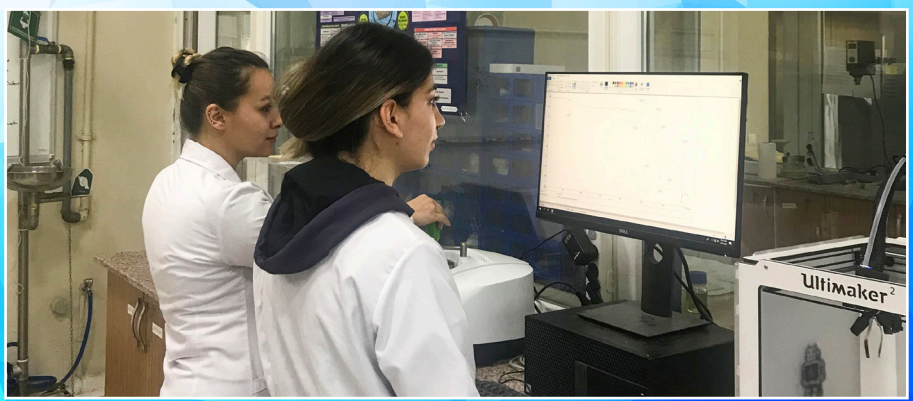
piezoelectric ceramics, technical ceramics, amorphous metallic alloys, modeling & design activities, nanomaterials, cement & concrete, metallic glasses, nano-composite metallic alloys, recycling & circular economy model of industrial wastes. In these research fields, our academicians are supported by Afyon Kocatepe University Scientific Research Projects Coordinatorship (AKU-BAP), The Scientific and Technological Research Council of Turkey (TUBITAK), Turkish Energy, Nuclear and Mining Research Council - Boron Research Institute (TENMAK-BOREN), and other industrial & university foundations. Our students, on the one hand, find good opportunities to take part in these leading research projects while their education activities are in progress. To make our students more internationalized, our university & department provide international programs such as education and internship mobilities through ERASMUS exchange agreements with many top universities abroad. Further, our students can also participate in Farabi and Mevlana programs in a national sense.



EMPLOYMENT OPPORTUNITIES OF OUR GRADUATES

Materials Scientists and Engineers have broad employment opportunities such as universities, research centers, public, and R&D institutions. In an industrial sense, our students can work in automotive, defense&aerospace, iron&steel, metal forming, electrical&electronics, glass production, ceramics manufacturing, polymers synthesis, refractory&bricks production, cement&concrete manufacturing, biomedical applications, nanotechnology fields.



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