

Materials Engineering

Materials Engineering offers a Master of Science (M.S.) degree in materials engineering. Students completing the program are expected to have knowledge in the following areas: mechanical properties; materials structure; materials thermodynamics; kinetics; and electrical, optical and magnetic properties of materials.

The Master of Science is intended for those who expect to enter the engineering profession at an advanced level or are practicing engineers wishing to gain additional fundamental knowledge in the field of materials. Emphasis is on professional development. Applicants must have a bachelor's degree in engineering or science from an institution of recognized standing.

Requirements for Master of Science Degree

- ▶ All international applicants must submit Test of Spoken English (TSE) scores
- ▶ There is no residency, foreign language or minor requirements for this degree
- ▶ Completion of 33 semester credit hours of graduate (6000 and 7000 level) course work which must include:
 - ◆ Five core courses: MATL 6106, 6206, 6306, 6406, 7056
 - ◆ MATL 7986 – Special project
 - ◆ Can include a maximum of 6 credit hours of transfer credit
- ▶ The specific plan of study must be approved by the student's advisory committee (3 person) before the end of the second semester
- ▶ Must pass an on-campus oral examination
 - ◆ Offered twice per year; Fall (August-September) and Spring (January-February)
 - ◆ Based on five core subjects: thermodynamics, crystallography, phase transformations, physics of solids, and mechanical properties
 - ◆ Taken at first opportunity after completion of core courses (at AU or other institution)
- ▶ Must complete a final presentation (approximately one hour) on the materials engineering project; the final report should be submitted to the committee.

M.S. and Ph.D. Programs

With departmental approval, it is also possible to complete thesis-requiring master's of science and doctoral degree in material engineering via a combination of distance learning and on-campus activities.

Special Requirements: Students with degrees in fields other than materials engineering

Those students lacking the necessary background may be required to take additional classwork before being considered for acceptance for the program. These courses do not have to be taken at Auburn.

Application Procedures

- ▶ Fill out the online graduate application at app.applyyourself.com/?id=auburn-g (you will be required to create an account)
- ▶ Submit TSE scores, if applicable.
- ▶ Upload transcripts, three recommendation letters, statement of purpose and optional resume
- ▶ For more information visit grad.auburn.edu

www.eng.auburn.edu/matl