

BIOENGINEERING, MASTER OF SCIENCE (M.S.)

Thesis only: 30 credits

Course	Title	Credits
Core Requirements		
BIOE601	Biomolecular and Cellular Rate Processes	3
BIOE604	Cellular and Physiological Transport Phenomena	3
BIOE612	Physiological Evaluation of Bioengineering Designs	3
Electives		15
BIOE799	Master's Thesis Research	6
Total Credits		30

The terminal M.S. degree is intended for students who are interested in expanding their knowledge of bioengineering through research, beyond what is available at the B.S. level. Therefore, the M.S. program involves both coursework and a well-defined research project culminating in a M.S. thesis. The M.S. program may be suitable for top UMD undergraduates engaged in research via an individualized, combined B.S. / M.S. program. A combined M.D. / M.S. program is also available. It should be noted, however, that due to limited resources, the department does not actively recruit students to its M.S. program. Students interested in the M.S. program should contact the Bioengineering Graduate Office prior to submitting an application.