BIOENGINEERING, MASTER OF ENGINEERING (M.ENG.)

Coursework/Non-thesis only: 30 credits required
This graduate program is an approved non-thesis program. The non-thesis option has been satisfied when all coursework has been completed.

All Professional Master of Engineering Programs consist of 10 courses/30 credits. All students are expected to complete a preliminary course plan for their intended degree program. Degree planning worksheets can be found here: https://mage.umd.edu/degree-planning-sheets (https://mage.umd.edu/degree-planning-sheets/)

Course	Title	Credits
Core Courses (Take Five):		**15**
BIOE651	Applied Mathematics in Bioengineering	
BIOE654	Physiology for Bioengineers	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658R - Regulatory Affairs in Medical Product Development)	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658E - Biomedical Device Developments)	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658J - Introduction to Programming and Data Analysis using Python)	
Bioengineering Electives (Choose at least two):		**6**
See Degree Planning Sheet for Full Options		
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658B - Introduction to Medical Image Analysis)	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658F - Applications of Bioinformatics)	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658G - Genome Editing and Synthetic Biology)	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658I - Machine Learning)	
BIOE658	Special Topics in Bioengineering (M.Eng.) (BIOE658W - Biosensor Techniques, Instrumentation, and Applications)	
Bioengineering Pre-approved Technical Electives (Choose three)		**9**
See Degree Planning Sheet for Full Options		
Total Credits		**30**