MASTER OF POLYMER SCIENCE AND POLYMER ENGINEERING

This degree prepares individuals with a bachelor’s degree in a technical area to work in polymer or polymer-related industries, consulting, or venture capital firms in non-research position requiring both a broad familiarity with fundamentals of polymer science and polymer engineering and some knowledge business and law. The program deepens technical knowledge in the polymer field while providing non-technical skills needed by team leaders, managers, and supervisors to make technology-mindful decisions.

Admission Requirements
- Bachelor’s degree in a STEM (Science, Technology, Engineering, or Mathematics) discipline
- GRE
- Personal Statement
- Resume
- Letters of Recommendation

Degree Requirements – 30 credits

Technical Core Courses – 18 credits
- 9801:605 Polymer Physical Chemistry (4 credits)
- 9801:615 Polymer Characterization (4 credits)
- 9801:635 Rheology, Processing and Evaluation of Polymeric Materials (4 credits)
- 9801:645 Research, Problem Solving and Communication of Technical Information (3 credits)
- 9801:665 Emerging Markets & Technologies (3 credits)

Business and Law Core Courses – 9 credits
- 6500:601 Business Analytics and Information Strategy (3 credits)
- 6500:678 Project Management (3 credits)
- 9200:800 Fundamentals of Intellectual Property (3 credits)

Electives – 3 credits (from Polymer Science and Polymer Engineering or Business)
- 6200:601 Financial Accounting (3 credits)
- 6400:602 Managerial Finance (3 credits)
- 6500:670 Management of Supply Chains and Operations (3 credits)
- 6500:675 Global Supply Chain Management (3 credits)
- 6600:620 Strategic Marketing (3 credits)
- 6600:625 Brand Management (3 credits)
- 6600:635 Digital Marketing (3 credits)
- 9841:797 Advanced Topics in Polymer Engineering (2-3 credits)
- 9871:631 Polymer Physics I (4 credits)
- 9871:711 Special Topics: Polymer Science (1-3 credits)
- 9871:712 Special Topics: Polymer Science (2 credits)