### Minor in Polymer Science and Engineering

**ECMM**

**Degree Services**  
Office of Student Records & Registration

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**Name (please print):** ____________________________________________________________________________  
(Last)                                                     (First)                                                (Middle)

**Student Number:** ___________________________

**Primary Major:** ____________________________   **Expected Major Completion Term:** ________________

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#### Required Courses – Polymer Science Track

*Select 8-10 credits*

- **CH 2400 Principles of Organic Chemistry (4)**  
- **CH 2410 Organic Chemistry I (3)**  
- **CH 2420 Organic Chemistry II (3)**  
- **CH 2411 Organic Chemistry Laboratory I (1)**  
- **CM/CH 4610 Intro to Polymer Science (3)**  
- **BE 4300 Adv Polymeric Biomaterials (3)**  
- **MY 4600 Intro to Polymer Engineering (3)**

#### Elective Courses - Select 7-8 credits

- **BE 4000 Independent Study (1-3)**  
- **CM/CH 4620 Polymer Chemistry (3)**  
- **CM/CH 4631 Polymer Science Laboratory (2)**  
- **CM/CH 4641 Polymer Chemistry Laboratory (2)**  
- **CH 4690 Current Topics in Polymer Chem (var)**  
- **CH 4990 Undergrad Research - Chemistry (1-3)**  
- **CM 4000 Chem Eng Undergrad Research (1-3)**  
- **CM 4650 Polymer Rheology (3)**  
- **CM 4655 Polymer Rheology Lab (1)**  
- **MEEM 3999 Mech Eng Undergrad Research**  
- **MEEM 4635 Design with Plastics (3)**  
- **MEEM 4999 Mech Eng Senior Research Thesis**

* Topic must be approved by department chair.

**Credits Required = 16-17**

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#### Required Courses – Polymer Engineering Track

*Select 9-10 credits*

- **MEEM 2150 Mechanics of Materials (3)**  
- **ENG 2120 Statics/Mechanics of Materials (4)**  
- **MEEM3210 Fluid Mechanics (3)**  
- **CM 3110 Transport Processes I (3)**  
- **BE/ENG 3200 Thermodynamics/Fluid Mech (3)**  
- **MY 3110 Materials Processing II (3)**  
- **CM/CH 4610 Intro to Polymer Science (3)**  
- **MY 4600 Intro to Polymer Engineering (3)**  
- **BE 4300 Advanced Polymer Biomaterials (3)**

#### Elective Courses – Select 7 credits

- **BE 4000 Independent Study (1-3)**  
- **CH 4990 Undergrad Research - Chemistry (1-3)**  
- **CM 4000 Chem Eng Undergrad Research (1-3)**  
- **CM/CH 4631 Polymer Science Laboratory (2)**  
- **CM 4650 Polymer Rheology (3)**  
- **CM 4655 Polymer Rheology Lab (1)**  
- **MEEM 3999 Mech Eng Undergrad Research**  
- **MEEM 4403 Computer-Aided Design Meth (4)**  
- **MEEM 4635 Design with Plastics (3)**  
- **MEEM 4999 Mech Eng Senior Research Thesis**  
- **MY 4150 Composite Materials (2)**

* Topic must be approved by department chair.

**Credits Required = 16-17**