Minor in Polymer Science and Engineering
ECMM

Name (please print): ____________________________________________________________________________

(Last)                                                     (First)                                                (Middle)

Student Number: ___________________________

Primary Major: ____________________________   Expected Major Completion Term: __________________

Required Courses – Polymer Science Track
Select 8-10 credits
___ CH 2400 Principles of Organic Chemistry (4) or
___ CH 2410 Organic Chemistry I (3) and
___ CH 2420 Organic Chemistry II (3)
___ CH 2411 Organic Chemistry Laboratory I (1)
___ CM/CH 4610 Intro to Polymer Science (3) or
___ BE 4300 Adv Polymeric Biomaterials (3) or
___ 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/CH 4631 Polymer Science Laboratory (2)
___ CM 4650 Polymer Rheology (3)
___ CM 4655 Polymer Rheology Lab (1)
___ MEEM 3999 Mech Eng Undergrad Research
___ MEEM 4653 Design with Plastics (3)
___ MEEM 4999 Mech Eng Senior Research Thesis

* Topic must be approved by department chair.

Credits Required = 16-17
Total Credits ______

Required Courses – Polymer Engineering Track
Select 9-10 credits
___ MEEM 2150 Mechanics of Materials (3) or
___ ENG 2120 Statics/Mechanics of Materials (4)
___ MEEM3210 Fluid Mechanics (3) or
___ CM 3110 Transport Processes I (3) or
___ BE/ENG 3200 Thermodynamics/Fluid Mech (3) or
___ MY 3110 Materials Processing II (3)
___ CM/CH 4610 Intro to Polymer Science (3) or
___ MY 4600 Intro to Polymer Engineering (3) or
___ BE 4300 Advanced Polymer Biomaterials (3)

Elective Courses – Select 6-7 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 4170 Failure of Material in Mech (3)
___ 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
Total Credits ______

Courses listed in this minor have the following prerequisites (shown in parenthesis).  Concurrency is illustrated by the letter C: CM4610 (CH1120), CM4620 (CH2420 or CH2400), CM4631 (CM4610 C), MEEM4403 (ENG1102), CM4631 (CM4620 C), MEEM4170 (MEEM3501), BE3200 (MA2160 and CH1100 or CH1110) and PH2100), MEEM3210 (MEEM3200 and MEEM3700 C), MEEM2150 (MEEM2110), CM4655 (CM4610 C or CH4610 C or CM4650 C), CM4650 (CM3110 or MEEM3210 or ENG3200 or MY3110 or CE3560) and (MA3520 or MA3521 or MA3530 or MA3560), CH2420 (CH2410 or CH2400), MY4150 (MY2100), CH2400 (CH1120), MEEM4635 (MY2100 and MEEM2150 and MEEM2320 and MEEM3230 C), CH2411 ((CH2410 C or CH2400 C and CH1120), CM3110 (CM2120 and PH2100 and (MA3520 or MA3521 or MA3530 or MA3560)), MY3110 (MY3100), MY4600 (MY2100), CH4610 (CH1120), ENG3200 (MA2160 and CH1100 or CH1110 and PH2100), ENG2120 (MA2160 and PH2100), CH4631 (CH4610 C or CM4610 C), CH4641 (CH4620 C), CH2410 (CH1120)

Student Date Department Advisor Date

Academic Year 2008-09