Frequently Asked Questions

Q: How do I sign up for a minor?

Answer: There is a blue *Curriculum Add/Drop Form* that you must fill out and have signed by the advisor in the program that administers the minor you are signing up for. Changes are official for a semester when the form is completed by the end of week 1.

Q: How do I drop a minor?

Answer: the blue *Curriculum Add/Drop Form* is used also for dropping a minor. You do not need any approval signatures; just fill it out and take it to the Registrar's Office

Q: Do credits from a minor double count towards my major?

Answer: Yes, they may, but you must earn 6 credits of 3000 or higher level that do not double count towards your major except as free elective. You must have 6 nonoverlapping credits not double counting for each minor that you expect to receive.

Q: Can I minor in more than one thing?

Answer: Yes. See above for rules on double counting.

Q: What courses are offered and when?

Answer: The course schedule is on the web: www.banweb.mtu.edu/pls/owa/bzskfcls.p_sel_cr se_search



Michigan Technological University Department of Chemical Engineering

Faculty Involved with the Polymer Science & Engineering Minor:

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Minor in Polymer Science and Engineering at Michigan Tech



The minor in Polymer Science and Engineering prepares students for careers in the field of polymer science, polymer engineering, or polymer and composite manufacturing. This minor helps to meet the demand for graduates with a breadth of understanding of the chemical and mechanical properties of polymers, plastics, and composites. The students who are interested in this program are those who want to work in polymer-related organizations, including the largest chemical companies in the world, several of which are based in Michigan.

Required credits: 16-17cr Required classes: See other side

Version 01/2011

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	Required Courses – Polymer Engineering Tra Select 9-10 credits
CH 2410 Organic Chemistry I (3) and CH 2420 Organic Chemistry II (3)	MEEM 2150 Mechanics of Materials (3) or ENG 2120 Statics/Mechanics of Materials (4)
CH 2411 Organic Chemistry Laboratory I (1)	MEEM3210 Fluid Mechanics (3) or CM 3110 Transport Processes I (3) or PE/ENG 2200 Thermodynamics/Eluid Mach (2) or
CM/CH 4610 Intro to Polymer Science (3) or BE 4300 Adv Polymeric Biomaterials (3) or MY 4600 Intro to Polymer Engineering (3)	BE/ENG 3200 Thermodynamics/Fluid Mech (3) or MY 3110 Materials Processing II (3) CM/CH 4610 Intro to Polymer Science (3) or
Clective Courses - Select 7-8 credits	MY 4600 Intro to Polymer Engineering (3) or BE 4300 Advanced Polymer Biomaterials (3)
BE 4000 Independent Study (1-3)* CM/CH 4620 Polymer Chemistry (3)	Elective Courses – Select 6-7 credits
CM/CH 4631 Polymer Science Laboratory (2) CH 4690 Current Topics in Polymer Chem (var)	BE 4000 Independent Study (1-3)* CH 4990 Undergrad Research - Chemistry (1-3)*
CH 4710 Biomolecular Chemistry I (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)
 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. 	
	MEEM 4999 Mech Eng Senior Research Thesis MY 4155 Composite Materials (3)
	Credits Required = 16-17 Total Credits

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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), CM4620 (CH2420 or CH2400), CM4631 (M42160 and (CH1100 or CH1110) and PH2100), MEEM3210 (MEEM2200 and MEEM2700 C), MEEM2150 (MEEM2110), CM4655 (CM4610 C or CH4610 C or CM4650 C), CM4650 ((CM3110 or MEEM3210 or EG3200 or MY3110 or CE3600) and (MA3520 or MA3521 or MA3530 or MA3560)), CH2420 (CH2410 or CH2400), MY2100), CH2400 (CH1120), MEEM410 (MY2100) and MEEM3210 and MEEM3210 and MEEM3200 C), CH2411 ((CH2410 C or CH2400) C and CH1120), CM3110 (CM2120 and PH2100) and (MA3520 or MA3520 or MA350)), MY3110 (MY3100), MY3100 (MY2100), CH2400 (MY2100), CH2400 (MY2100), CH2400 (MA2160 and (CH1100 or CH1110) and PH2100), ENG2120 (MA2160 and PH2100), CH4610 (CH120), ENG3200 (MA2160 and (CH1100 or CH1110) and PH2100), ENG2120 (MA2160 and PH2100), CH4610 C or CM4610 C), CH4641 (CH4620 C), CH2410 (CH120)

Student

Department Advisor

Date