

# POLYMER MATERIALS AND ENGINEERING AT BEIJING UNIVERSITY OF CHEMICAL TECHNOLOGY, BE/ POLYMER SCIENCE, MS

This five-year program involves initial completion of three years of BE coursework in Polymer Materials and Engineering at BUCT followed by two years of graduate coursework and research in the School of Polymer Science and Polymer Engineering at The University of Akron. BUCT will award the BE degree in Polymer Materials and Engineering to the students of this program after completion of the fourth year of coursework at The University of Akron.

Students will be admitted as undergraduate guest students at The University of Akron after completing three years of BE coursework at BUCT. Students intending to enroll in the BE/MS program will consult the faculty counselors both at BUCT and The University of Akron during their study at BUCT. The admission committee of the School of Polymer Science and Polymer Engineering will evaluate the applications of potential students in their third year. Students meeting the requirements for graduate admission after satisfactory completion of the first year coursework will begin the second year of study with full admission to the graduate school. The MS degree in Polymer Science is awarded at the completion of the MS degree requirements, which would typically be at the end of two years of study at The University of Akron

Requirements for the master's degree coursework at The University of Akron are identical to the standard requirements for the MS in Polymer Science.

## Master of Science in Polymer Science

### Degree Requirements

Code	Title	Hours
<b>Core Courses</b>		
9871:601	Polymer Chemistry	4
9871:607	Seminar in Polymer Science I	1
9871:613	Polymer Science Laboratory	3
9871:631	Polymer Physics I	4
9871:674	Polymer Characterization	2
9871:685	Introduction to Biomacromolecules	2
<b>Elective Courses</b>		
Select eight credit hours of elective courses appropriate to student's area of interest		8
<b>Thesis</b>		
Select six credits		6
Total Hours		30

### Cumulative Exam

Pass one cumulative exam.

### Written Pre-thesis Literature Review

A written review of the literature will be submitted (in the fall of the second year for full-time students) to the adviser and thesis reader in advance of the completion of the thesis. This literature review receives a grade from each faculty member.

### Formal Seminar

A public discussion referred to as a departmental "formal seminar" is required which reviews the literature pertinent to the research problem.

### Seminars

Attendance at and participation in seminar-type discussions scheduled by the department.

### Foreign Language Requirement

Satisfy the foreign language requirement for the master's degree by meeting the requirements of Plan C. This is satisfied with computer proficiency, which is met by completing 9871:613 Polymer Science Laboratory as part of the core curriculum.