Polymers and Materials Chemistry

CHM1300H *Polymer Chemistry*
(Cross-listed Undergraduate CHM426H)
This course covers design, synthesis, characterization and application of organic materials. Emphasis is placed on classic examples of organic materials including semiconducting polymers, molecular devices, self-assembled systems, and bioconjugates, as well as recent advances from the literature.

CHM1301H *Organic and Synthetic Polymer Chemistry*
Synthetic polymers have dramatically changed the world around us over the last 60 years and these materials are expected to play an increasingly crucial role in determining technological progress in the future. The aim of this course is to provide an overview of the methods used to synthesize macromolecules and how synthetic methodology allows their material properties to be controlled.

CHM1302H *Physical Chemistry of Polymers*

CHM1303H *Solids as Advanced Polymer Materials*

CHM1304H *Organic Materials Chemistry* (Cross-listed undergrad CHM479H)
This course covers design, synthesis, characterization and application of organic materials. Emphasis is placed on classic examples of organic materials including semiconducting polymers, molecular devices, self-assembled systems, and bioconjugates, as well as recent advances from the literature. The curriculum involves lectures, mid-term, and an oral seminar and final exam.

CHM1390Y *Polymer and Materials Chemistry Seminar*