

Polymer Science and Engineering Program

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Introduction

Since the discovery of high molecular weight polymeric molecules, only a century has passed but the amount of polymeric material production becomes larger than that of iron and steel in terms of volume, and we are living in so called “plastic age” already. Polymer Science and Engineering, the study of macromolecules having high molecular weight, is a rapidly developing field of study spanning from Chemistry to Physics, Chemical Engineering and Material Science. The progress of polymer science enables us not only to fabricate new electronic devices such as flexible display and wearable electronics but also to provide new materials that can solve many problems in energy, environmental and medical areas we face today.

KAIST professors studying polymer related field in Department of Chemistry, Chemical & Biomolecular Engineering, Material Science and Nanoscience & Technology are trying to organize interdisciplinary programs to provide a customized education and to foster the professionals in the field of Polymer Science and Engineering. In addition, industry-supported program, Customized Educational Program of Polymer Science and Engineering (CEPP) has been set up to promote industry-academy relationship in research and education.