

고분자화학제전공

학과홈페이지:
<http://polysci.kaist.ac.kr>

학과사무실:

▣ Outline

Even though it is been around one century since the discovery of polymer materials, current humanity, referred as a plastic era, utilize tremendous amounts of polymer material. The study of Polymer science and technology is the study about the giant molecule with chemical bond and high molecular weight is now amalgated with many other field including chemistry, physics, chemical engineering, material science. This convergence of fields brought the development of Polymer science and technology in an unprecedented speed and enable cutting edge technology including flexible display and many other electronic devices. Moreover, this study is providing solution for current crisis including energy, environmental, and medical issue by providing foundation for creating of new materials.

Currently, polymer related professors in Chemistry, Chemical and Biomolecular Engineering, Material Science and Engineering, Nanotechnology department in KAIST, are working on school system to fully describe the amalgation property of polymer science and technology. In addition, they work hard to develop the system to give general and fundamental education on fast growing polymer science to train professional personnel. Furthermore, the efforts are made to successfully and effectively link the academic education in university to the industries by using the CEPP.

▣ 학술 및 연구 활동