Telecommunication Engineering Program

Introduction

Information technology (IT) is one of core technologies in our current information society which provides basic means of daily social and economic activities. As various types of information and their diverse demands for IT emerge, a more efficient information network infrastructure is required. In order to realize more advanced internet based networking and networked applications in the information network infrastructure, we need to educate system engineers who have highly interdisciplinary experiences in electrical engineering, computer science, industrial & systems engineering, and mathematical sciences. To face with this continuously changing industrial environment and to train experts needed in telecommunication areas, KAIST Telecommunication Engineering Interdisciplinary Education Program was started in 1998 as a cooperative educational program with collaboration of four departments / divisions: Electrical Engineering; Computer Science; Industrial & Systems Engineering; Mathematical Sciences. In addition, Cooperative Telecommunication Education Program (CTEP) was started in 1998 in order to train highly competitive students in telecommunication engineering interdisciplinary program. Currently, this CTEP program has been supported by Dacom, KTF, LG Electronics, and SK Broadband.

This interdisciplinary program focuses on education and research in networking, mobile internet, internet service platform for IP applications and services. Participating professors in four departments take charge of lectures and researches for students. For the competitive IT education, this program offers diverse and distinct curricula which consist of fundamental subjects from the related departments and various applied, specialized subjects of the interdisciplinary program. Through this active cooperative education program between KAIST and industry, we train students to become competitive experts, leading network operators, and telecommunication vendors in future.

The application and selection procedure of new students in this interdisciplinary program is the same as the normal entrance examination procedure. KAIST scholarship students are selected through the entrance examination procedure and they are supported by CTEP. Government supported scholarship students from the related departments are also welcome and can be accepted through a proper process.