Department of Computer Engineering

051-200-7776 http://computer.donga.ac.kr

Introduction of the Department

The Department of Computer Engineering trains specialists in hardware and software technology related computer system, information and communication technology, multimedia technology, information management and analytical skills required in various fields of modern society. The Department of Computer Engineering focuses on producing practical experts in the field of information and communication that will lead the advanced digital era through comprehensive education with theory and practice of computer hardware and software.

Main Subject

English Reading and Writing, Digital Information Utilization, Design and Convergence Technology, Understanding of Intellectual Property Rights, Technology Management, Practical English Practice, Thesis Report Preparation and Presentation Techniques, College Mathematics, Physics and Experiments, Chemistry and Experiments, Linear Algebra, Probability and Statistics, Industrial Mathematics, Discrete Mathematics, Numerical Analysis
Data Structure, Computer Structure, Programming Language, Database, Operating System, Algorithm

Career after Graduation

1. Professional Programmer Leading the Information Society
2. Core Engineer of IT Convergence (regardless of field): engineer leading convergence with IT technology required in various fields such as automobile, shipbuilding, machinery, ship, marine, port etc.
3. Creative Venture Entrepreneur: an entrepreneur who creates a variety of apps and utilizes IT technology to lead a ubiquitous society

Q&A

Q. What areas do you focus on when you enter the Computer Engineering Department?

Students will study basic programming (C, Java, etc.) in computer engineering and practice practical study on programming language, C programming, web programming, software project, computer network, multimedia, software engineering, etc.

Specialty Program

1. Accreditation of Engineering Education: According to the accreditation standards presented by the Accreditation Board for Engineering Education of Korea (ABEEK), graduates who have completed the relevant enrichment program are guaranteed to be ready to properly perform engineering tasks required by society. This is a system which guarantees that the degree is equivalent internationally.
2. App Program Development: We support the development of programs for each team as well as graduation works during the semester or vacation by running practice rooms in which students can practice developing app programs, which has been recently very popular.
3. Intellectual Property Education: In the first semester of second grade, we encourage students to acquire knowledge about patent, utility model, trademark and design, and to participate in CPU competitions to help them become talented leaders in the knowledge creation society

Department of Mechanical Engineering

051-200-7635/051-200-7659 http://mech.donga.ac.kr

Introduction of the Department

Mechanical engineering, which is the backbone of modern industry, is a field of studying basic principles applied to various machines and studying related fields of design and production. Therefore, it is quite suitable for students interested in mechanical design, automobile, shipbuilding, etc. In the Department of Mechanical Engineering, in addition to learning about the subjects related to the design and manufacture of machines, structures, and devices used in production sites, the proportion of various designs using computers has increased recently. In addition, mechanical engineering is a vital area on which all industries are based, with a very high employment rate for graduates and a wide variety of employment sectors.

Main Subject

Digital Information Application, Practical Chinese, Design and Convergence Technology, Engineering Economy, English Presentation and Discussion, Practical English Practice, Physics and Experiment, Chemistry and Experiment, College Mathematics, Industrial Mathematics, Applied Mathematics, Computer Programming, Numerical Analysis, Dynamics, Statics
Material Mechanics, Workshop Practice, Industrial Thermodynamics, Kinematics, Fluid Mechanics, Mechanical Element Design

Career after Graduation

In addition to the design and manufacturing of machinery manufacturers, the company has been engaged in R & D and policy development in the fields of technology management and service, heavy industries, automotive, aerospace, shipbuilding, electronics, chemical and metal industries. Machine related entities can enter any of these businesses(automobile industry, aerospace industry, shipbuilding industry)

Q&A

Q. What is Mechanical Engineering?

It is a discipline that conducts research on power, exercise, and energy to make human life convenient and materially rich. In English, it is Mechanics or Mechanical Engineering, which is distinct from machine or machinery. It is one of the most fundamental academic disciplines among the engineering applied to modern industrial society, and its application field is the most extensively based.

Q. What should be prepared in advance to study Mechanical Engineering?

Mechanical Engineering requires preparation for mathematics and science, especially physics, because it is so important. But more importantly, it requires creative and engineering minds and aptitude, so extra effort is needed to develop it.

Q. When you graduate from Mechanical Engineering Department, which field do you mainly enter?

There are many fields of advancement such as automobile, aerospace, electronics, heavy industry, shipbuilding, aerospace, production automation and energy field.

Specialty Program

Accreditation of Engineering Education , Interdisciplinary program with Plant Engineer , Interdisciplinary program with Ocean Plant