

Department of Chemistry

Introduction

At Dong-A University has played important roles in both teaching and research at undergraduate and graduate levels. In undergraduate courses, the core curriculum involves organic, inorganic, physical, and analytical chemistry as well as biochemistry. With knowledge of these solid and fundamental subjects in the major of chemistry, research at the postgraduate level is concerned with principal and applied aspects of chemistry. Spectroscopic methods reveal the properties of materials more efficiently, while theoretical physical chemistry focuses on the prediction of the behaviors of chemical processes. Organic and biochemistry at Dong-A University are trying to devise the efficient synthetic methods of biologically important molecules. Materials chemistry has synthesized various materials ranging from metal and metal oxide nanomaterials to macromolecules and dendrimers, and their chemical and physical properties are actively characterized for the purpose of applications.

Objective

Chemistry is a branch of basic science that has revolutionized various human lives since the Industrial Revolution, and the future will have a profound impact on the overall human life. Chemistry, an area of fundamental science, is instrumental in understanding the principles and theories of chemical change and in leading a more rational and sophisticated cultural life through the study of chemical and physical properties of matter. In order to pursue new human happiness and life through chemical theory, experimentation and practice, we will make great efforts to foster researchers, professionals and teachers in charge of chemical education.

Specialities and Features

Chemistry departments and graduate schools teach chemistry to become science engineers and creative professionals after graduation, as well as to grow up to be leaders in any field of society. Graduates of this department may go to graduate schools after graduation or enter research institutes or industrial institutes, pharmaceutical and biotech companies, heavy and chemical industries and petrochemical fields, manufacturing/trade of analytical instruments, and polymers chemistry. It is also possible to become a teacher in charge of chemical education.

Specific Major

- Master's : Physical chemistry, Organic chemistry, Inorganic chemistry, Analytical chemistry, Biochemistry
- Doctorate: Physical chemistry, Organic chemistry, Inorganic chemistry, Analytical chemistry, Biochemistry

Faculty Introduction

Name	Education Profile	Major(Research Area)	E-mail
Jung, Dai Il	Ph.D. in chemistry	Organic chemistry and Biochemistry	dijung@dau.ac.kr
Lee, Jae Wook	Ph.D. in chemistry	Supramolecular chemistry	jlee@dau.ac.kr
Kim, Hyo Joon	Ph.D. in chemistry	Theoretical and Computational chemistry	hkim@dau.ac.kr
Kim, Jong Sik	Ph.D. in chemistry	Materials chemistry	jskimm@dau.ac.kr
Song, Hyon Min	Ph.D. in chemistry	Inorganic chemistry	hyonmin1@dau.ac.kr
Park, Myeong Kee	Ph.D. in chemistry	Physical chemistry	bikeplay@dau.ac.kr

Degrees Granted

- Master of Science in Chemistry, Doctor of Philosophy in Chemistry

Contact

	Details
Department Office	<ul style="list-style-type: none">◦ Person in charge: Jo, Haeun◦ Location : Seunghak Campus◦ Tel: +82-51-200-7240◦ E-mail: haeun1219@dau.ac.kr
Academic Advisor	<ul style="list-style-type: none">◦ Name: Park, Myeongkee◦ Tel: +82-51-200-7245◦ E-mail : bikeplay@dau.ackr