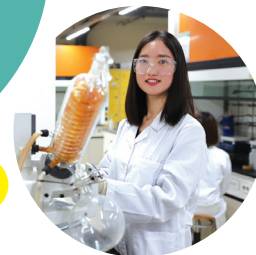


Department of Chemistry





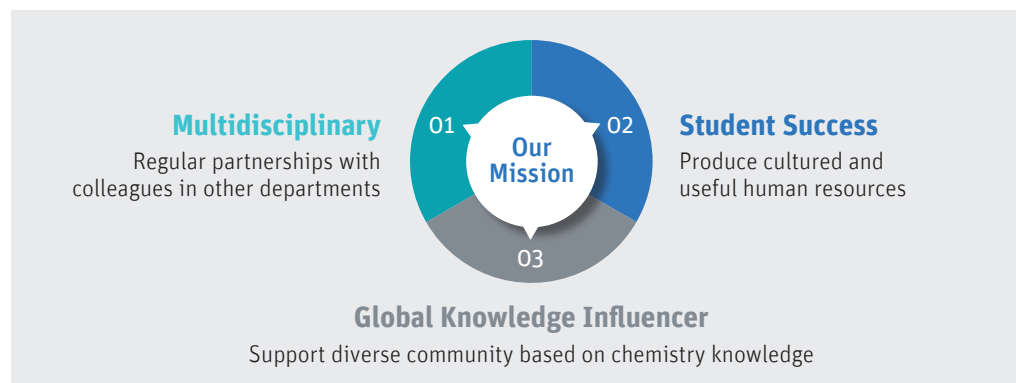
About the department

The department was founded in Seoul when the university was reformed into a modern comprehensive university in 1953 after the Korean War. It later moved to Suwon with the establishment of the Natural Sciences Campus in 1978.

The Department of Chemistry is committed to cultivating high-level specialized personnel in diverse areas to serve as the foundation for national scientific technology advancement, while implementing key scientific technology tasks and policies with the aim of elevated research capabilities as a world-class research institution.

Vision & Mission

In chemistry, it has become increasingly important to pursue education and research activities across a broad spectrum from the basics to cutting-edge sectors where chemistry is much more than a mere basic discipline. Furthermore, social demand for chemistry has also expanded.



Ranking & Facts

26

Faculty Members

150

Graduate Students

2nd / 33rd

Top University Nationwide / Worldwide,
U.S. News & World Report

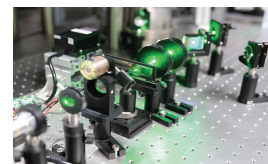
Activities

Research/Project



- **The department concentrates its research activities on six broadly defined areas.**
- **Analytical Chemistry:** Surface Plasmonics, Nanoparticles in Fuel Cells, Electrochemical Analysis, Biosensors, Digital Assay, Conductive Polymer Ion Separating Membrane
- **Organic Chemistry:** Organic Synthesis, Bioactive Materials, Organic Reaction Mechanism, Organic Electronic Materials
- **Biological Chemistry:** RNA interference (RNAi), Genome engineering nucleases, Nucleic Acids as tools for control of gene expression
- **Physical Chemistry:** Surface Chemistry, Green Chemistry, Materials Chemistry, Nano-Bio-IT Convergences, Computational Chemistry, Quantum Information Chemistry
- **Polymer Chemistry:** Molecular Design and Synthesis, Stimuli Responsive Materials, Sustainable Polymers, Organic Microporous and Supramolecular Polymers, Polymer Physics
- **Inorganic Chemistry:** Electrocatalysts, Solar Cells, Batteries, Green Catalysis

Research Centers



- **Basic Science Research Center:**
https://cscience.skku.edu/eng_cscience/index.do
- **BK21 PLUS/BK21 Four:** <http://bk21plus.skku.edu/chem>
- **Center for Integrated Nanostructure Physics (CINAP):**
<https://swb.skku.edu/hyoyounglee>

Activities for Students



- **ChemTube:**
<https://www.youtube.com/channel/UCsToxurWSRdqwbqednokQzw>
- **SKKU-ERASMUS & ERASMUS Plus**
- **SKKU-ESPERANTO:** Exploring Scientific Problems by Executing Rational Activity of Network-Thinking Operation

SKKU Ranking & Facts

88

2021
QS World University
Ranking #88

10

2021
THE Asia University
Ranking #10

01

2020
#1 Private Comprehensive
University in JoongAng
Daily University Ranking

02

2020
#2 The Top 1% Most Cited
Articles among Korean
Universities in National
Research Foundation

01

2020
#1 National Customer
Satisfaction Index for
14 consecutive years

110

SKKU & Samsung –
110 joint research projects

754

International Partnership
with 754 universities in
74 countries worldwide

1398

Founded in 1398
Oldest University in
East Asia



Department of Chemistry

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