



Introduction

The School of Chemistry and Chemical Engineering (SCCE) was founded in 1928 as the Chemistry Department of SJTU. After years of development, SCCE has grown into a college pioneering in many fields with cutting-edge technologies, and has done an excellent job in world rankings. In terms of Essential Science Indicators, SCCE are among the top one thousandth; in terms of QS Rankings, ranked 49 in Chemistry and 43 in Chemical Engineering. In 2017, 2 disciplines of SCCE, Chemistry and Chemical Engineering, were selected in the "Double First-Class" selection. The main building of SCCE covers a floorage of 20,000 m² and accommodates a variety of state-of-the-art equipment and facilities. With its vibrant faculty and diversified programs, the School has been one of the long-standing educators in the field of chemistry and chemical engineering, featuring the combination of mature degree programs and abundant resources of a world-class university. Here you could see outstanding senior professors guide both undergraduate and graduate students.

School of Chemistry and Chemical Engineering

Degree Programs

Bachelor Degrees	Chemistry
	Chemical Engineering and Technology
Master Degrees	Chemistry
	Chemical Engineering and Technology
	Chemical Engineering
Ph.D. Degrees	Chemistry
	Chemical Engineering

Students and Faculty

Number of Students	Undergraduate Students	291
	Master Students	273
	PhD Students	344
	International Students	58
Number of Faculty	Professors	47
	Associate Professors	58
	Assistant Professors	21
	Staffs	170



Three Departments	Department of Polymer Science and Engineering
	Department of Chemical Engineering
	Department of Chemistry
Seven Institutes	Institute of Chiral Chemistry and Technology
	Research Institute of Fine Chemicals
	Institute of Electrochemical Engineering and Energy Technology
	Institute of Polymer Science
	Advanced Rheology Institute
	Institute of Power Battery Material
	Hirano Materials Innovation Institute
Two Centers	Central Analytical Lab
	Fundamental Chemistry Experiment Center
Two National Core Labs	Shanghai Key Lab of Electric Insulation and Thermal Aging
	SJTU-Hitachi Chemical Research Center



Research Fields

- > Inorganic Synthesis and Preparative Chemistry
- > Materials Chemistry
- > Inorganic Nano-Materials and Chiral Mesoporous Materials
- > Supra-Molecular Chemistry
- > Organo-Metallic Chemistry
- > Asymmetric Catalysis and Synthesis Chiral Ligands
- > Bioanalytical Chemistry and Metabolic Chemistry
- > Molecular Modeling and Computational Chemistry
- > Method and Application of the Quantum Chemistry of Heavy Atom System
- > Density Functional Theory Method and Application
- > Polymer Self-assembly
- > Polymer Rheology
- > Rubber Processing and Product
- > Polymer Composites
- > Electrochemical Engineering and Energy Storage Battery Technology
- > Catalytic Reaction Engineering and New Energy Chemical Industry
- > Green Chemical Technology
- > Metal Corrosion and Protection Technology Development
- > Environmental Protection and Comprehensive Utilization

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