



2021 Scholarship for Credit Students of Chinese and European Universities Beijing University of Chemical Technology

Introduction of the Program

I. Program Advantages

- ◆ Expand Cultural and People-to-People Exchanges between Chinese and American students
- ◆ Experience Chinese Language & Culture
- ◆ Expanding International Vision& Experience Multiculturalism
- ◆ Improving Scientific Literacy and Humanistic Literacy
- ◆ Scholarship Support from China Ministry of Education

II. Time and Venue

September–December ,2021 (Applicants should study BUCT online courses at least for 3 months.)

Beijing University of Chemical Technology

III. Program Language

English

IV. Potential Candidates

Education Level: Undergraduate and Graduates

Major: Mechanical Engineering; Chemical Engineering and Technology; Material Science and Engineering; Computer Science and Technology

V. Program Scale

Around 50, 10-25 number for each partner universities.

VI. Activities

- ◆ Chinese Language Courses
- ◆ Chinese Culture & Experience Courses
- ◆ Research Internship in labs.
- ◆ Professional Courses (Please see the attachment for details)

VII. Credits

Credits will be given to students depends on the courses in major

VIII. Scholarship

- ◆ Accommodation in BUCT: International Students Dorm for Free.
- ◆ Tuition/Training fee: Free
- ◆ The living expenses of 2500 yuan per person per month (given by BUCT each month)
- ◆ Insurance fee: included

IX. Application& Enrolment

Application Deadline: January 22th , 2021

Application Procedure:

- ◆ Fill in the application form (attached)
- ◆ Sent the application form to the email address by participants or by the related officers of participant's universities.
- ◆ BUCT will review the application form of the students, and will send the acceptance letter to the qualified candidates.
- ◆ Students who are admitted provide materials online: <http://study.buct.edu.cn>
- ◆ BUCT will help to apply Jw202
- ◆ Students apply X2 visa
- ◆ Register

X. Contact

School of International Education, Beijing University of Chemical Technology

- ◆ Address: East Campus: Fifth Floor of Library, No. 15 Bei San Huan East road, Beijing, 100029, P. R. China; North Campus: Fifth Floor of Library, No.15 NeiKang Mountain Road, Changping District, 102200, P. R. China
- ◆ Tel: 0086-010-64438791
- ◆ Email: zhangshuai@mail.buct.edu.cn
- ◆ web site: <http://english.buct.edu.cn/>
- ◆ Contact person: Summer Zhang (MS.)

Attachment 1

● Professional curriculum:

The following specialized courses are taught in English:

Institute	Course Name	Class Hour
School of Chemical Engineering	✓ Advanced Chemical Engineering Thermodynamics	48
	✓ Mass Transfer in Multi-component Mixtures	48
	✓ Chemical Reactor Theory	48
	✓ Chemical System Engineering (II)	48
	✓ Principle of Industrial Catalysis	48
	✓ Molecular Simulation Methods	32
	✓ Advanced Academic Writing Skills	32
School of Information	✓ Advanced Mathematical Logic	40
	✓ Analysis of Algorithms and Complexity Theory	40
	✓ Advanced Software Engineering	32
	✓ Principle of Artificial Intelligence	32
	✓ Neural Network	32
	✓ Advanced Digital Image Processing	32
	✓ Network Science: An Introduction	32
	✓ Software System Analysis and Design	32
	✓ Micro-Electro-Mechanical Chip and System	32
✓ Robot Control Technology	32	
School of Materials	✓ Material Corrosion	32
	✓ Material Chemistry	32
	✓ Polymer Synthesis and Manufacturing	48
	✓ Composite Materials	32
	✓ Viscoelasticity and Electrochemical Method	32
	✓ Material Physics	48
	✓ Polymer Structure and Properties	32
	✓ Polymer Colloid and Interface Engineering	32
	✓ Polymer Crystallization	32
	✓ Advanced Biomedical Polymers	32
	✓ Advances in Polymer Chemistry	12
✓ Frontiers of Polymer Science	32	
School of Science	✓ Matrix Theory and Application	40
	✓ Numerical Analysis	32
	✓ Applied Mathematical Statistics (Economic Administration)	40
	✓ Advanced Physical Chemistry	48
	✓ Advanced Organic Chemistry	48
	✓ Advanced Inorganic Chemistry	48
	✓ Introduction to Polyoxometalates Chemistry	32
	✓ Nano-material Chemistry	48
✓ Heterogenous Catalysis Research Methods	32	
School of Life	✓ Enzymology and Biological Catalysis	40

Science	✓ Biochemical Separation Engineering	40
	✓ Synthesis Biology	40
	✓ Progress in Functional Food	32
	✓ Introduction to Biomass Conversion	16
	✓ Cell Biology and Cultivation Engineering	40
	✓ Molecular Biology and Gene Manipulation	40
	✓ Advanced Biochemistry	40
School of Economics and Management	✓ Advanced Economics	32
	✓ Financial Management	32
	✓ Organizational Behavior	32
	✓ Marketing	32
	✓ Production and Operations Management	32
	✓ Accounting	32
	✓ Management Communication	32
	✓ Research Methodology for Management	32
	✓ Research Methods of Financial Accounting	32

