Innovative Ability and Practical Skill
Postgraduate Education at Sichuan University
1896-2009
Located in Southwest China

A premier national university directly affiliated with the Ministry of Education of China

Merging three universities:
Chengdu University of Science and Technology (1952-)
West China University of Medical Sciences (1910-)
Former Sichuan University (1896-)

(3 campuses covering an area of over 442.2 hectares, with a total floor space of 3.12 million square meters)
One of the Largest Universities in China

- 30 colleges with a wide spectrum of areas of studies.

121 undergraduate programs

346 master programs

229 doctoral programs.

Currently over 58,000 students

Including 4,290 doctoral candidates,

18,263 master candidates,

and 1,185 overseas students.

For further information, please visit:
http://www.scu.org.cn/College&School/academics.asp
<table>
<thead>
<tr>
<th>Important Research Bases and Centres</th>
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<tbody>
<tr>
<td>National labs</td>
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<tr>
<td>National research bases for humanities and social sciences</td>
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<tr>
<td>National clinical research bases</td>
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<tr>
<td>Provincial labs and centers</td>
<td>67</td>
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</tbody>
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Fundings (2008)

- Total: RMB 1.02 billions
- Funds for science, engineering and medicine: RMB 960 millions
- Funds for humanities & social science: RMB 60.23 millions
History of Postgraduate Education:

--1914, first doctoral programme of West China Union University in collaboration with New York State Uni.

--1939, postgraduate programme at National Sichuan Uni.

--1980, doctoral programmes at Sichuan Uni.

--1995, Graduate School
--Large-scale and high-speed development of postgraduate education,

--Contradiction between the scale and quality of postgraduate education,

--One of the major problems in the quality of postgraduate education: Innovative Ability
Implementing innovation plan of postgraduate education:

--New curriculum designs
--Interdisciplinary programmes
--Open labs for postgraduate students
--International collaboration in postgraduate students training
--Proactive exploration of new education system for innovative postgraduate talents with innovative spirit and abilities.
Strengthening the Management of Postgraduate Education:

-- Regulations for quality control and innovation in the *Handbook for Postgraduate Education of Sichuan University*,

-- substantially improved living and study conditions of postgraduate students,

-- initiative of tutors and postgraduate students,

-- responsibility awareness of tutors,

-- innovation enthusiasm of postgraduate students.
--Postgraduate curriculum framework,
--Supervising and evaluation of the postgraduate education quality,
--Cultivation of the innovative ability of the postgraduate students,
--Reshaped requirements: curriculum, credits, educational methods, examinations, thesis and dissertation, and publication.
-- Improving quality supervision and control system:
   Middle-term assessment on examination results
   and research performance
-- Research-oriented tutor accountability system:
   Stress on students’ independent innovation ability
   in research practice
--Exploring new education mode for innovative postgraduate talents

--Organizing innovation activities for postgraduate education

--Comprehensive development platform for innovative talented postgraduates
Internationalization in postgraduate education:

Three centers for international cooperation since 2006.

- International Center for Jiuzhaigou Ecological Environmental and Sustainable Development Research
- Sino-German Research Center of Energy/ Chinesisch-Deutsches Energie-Forschungszentrum
- Sino - U.S. Institute for University Design
A University of Internationalization
- Post-quake relief and reconstruction collaboration in research and social service
- Anti-poverty collaboration mechanism with South Asian countries
- Sustainable environmental project
- Anthropological and Cultural heritage project
- Geographical mapping of HIV/AIDS high risk population project
- EU Studies
- Migration and social issues
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<tr>
<th>No</th>
<th>Name of University</th>
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<tr>
<td>1</td>
<td>University of Washington</td>
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<td>2</td>
<td>RWTH/Aachen</td>
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<td>3</td>
<td>New Mexico State University</td>
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<td>4</td>
<td>University Tennessee</td>
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<td>5</td>
<td>University of Maryland</td>
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<td>Purdue University (Calumet)</td>
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<td>Indiana University of Pennsylvania</td>
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<td>Eastern New Mexico University</td>
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<td>9</td>
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<td>Paris x University</td>
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<td>18</td>
<td>Burgundy School of Business</td>
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<td>19</td>
<td>Technische Universitaet Clausthal</td>
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<td>Hochschule Bremen</td>
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<td>Leiden University</td>
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<td>22</td>
<td>Vrije Universiteit Amsterdam (Liberty University)</td>
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<td>University of Barcelona</td>
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<td>National University of Singapore</td>
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<td>UCLA</td>
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<td>Kei Myung University</td>
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<td>University of Bonn</td>
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<td>UC Davis</td>
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<td>Dongguk University</td>
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<td>UC Berkeley</td>
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<td>Waseda University</td>
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<td>32</td>
<td>Kanazawa University</td>
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A University of Internationalization

Strengthening Engineering Education and Research through International Cooperation:

1. Double Master Curriculum in Environmental Engineering, SCU-RWTH/Aachan Cooperation Project
2. Double Civil Engineering Degree Program, SCU-TU/Clausthal, Cooperation Project
3. Sino-German research centre for energy
   --Sino-German Foundation programme with University of Bonn in economics.
Double Master Curriculum in Environmental Engineering:
RWTH Aachen and SCU achieved the agreement on April 1st, 2000. German Federal Ministry of Education and Research approved the application on Dec. 6, 2002, and issued the official document on Jan. 31, 2003, thus the project with about 0.7M euros funding support launched out.

• Lecture Programmes
  Each year, 10 German experts from TU-Aachen and industries come over to SCU and offer lectures
• Site Visit in Germany
• Each year, 10-15 Master students visit Germany for 2 weeks
133 grad students attended the project
13 professors and experts involved in the programme
A University of Internationalization
A University of Internationalization

Sino-German Focus on Energy & Environmental Research:

- Promote academic activities
- Sino-German Workshop: September 18-22, 2007, Goslar, Germany. Relevant Aspects on the Underground Storage of Natural Gas and CO2:
  Exchange between experts, scientists, industry people & politest from Germany and China ⇒ about 70 experts from Germany, 29 from China and 10 students involved in the workshop.
Achievements of innovative talent education:

-- A noticeable high-level academic publications

-- 8 doctoral dissertations selected into national excellent doctoral dissertations and 15 received national excellent doctoral dissertation nominations

-- 8 postgraduate students won C-100 Leadership Scholarship

-- 2 doctoral students attended Nobel Laureates Conference at Lindau, Germany

-- 6 selected into the excellent seeding project of UCLA
-- “Summit-climbing Cultivation Programme” for Topnotch Talent Postgraduate Students
-- Plan for further globalization of postgraduate education
-- Action Plan for Cultivating Topnotch Innovative Talent Postgraduate Students
Welcome to Sichuan University

Thank you!