Introduction of Chuo University
(Especially, School of Science and Engineering)
Where in Japan?
Our Four Campuses

**TAMA CAMPUS  *Main Campus**
Undergraduate and Graduate Programs:
- Faculty of Law
- Faculty of Economics
- Faculty of Commerce
- Faculty of Letters
- Faculty of Policy Studies

**KORAKUEN CAMPUS**
- Faculty of Science and Engineering
- Chuo Graduate School of Strategic Management

**ICHIGAYA CAMPUSES (2)**
- Graduate School of International Accounting
- Chuo Law School
<table>
<thead>
<tr>
<th>Category</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Students</td>
<td>24,880</td>
<td>1,070</td>
</tr>
<tr>
<td>Professional Graduate Schools</td>
<td>521</td>
<td></td>
</tr>
<tr>
<td>International Students</td>
<td>806</td>
<td></td>
</tr>
</tbody>
</table>

History of Chuo University

Established in 1885 as the English Law School

Motto: Fostering the Ability to Apply Knowledge to Practice
Comprehensive educational institution

6 faculties (Law, Economics, Commerce, Letters, Policy Studies, Science and Engineering)

7 graduate schools

3 professional graduate schools

9 research institutes

4 affiliated high schools and

2 affiliated junior high schools

Number of students: 27,000

Our spirit: Fostering the ability to apply knowledge to practice.
History of Faculty of Science and Engineering

Established in 1949 as Faculty of Eng.

Civil Eng. (Civil and Environmental Eng.)
Precision Mechanics.
Electrical Eng. (Electrical, Electronic and Communication Engineering),
Engineering Chemistry (Applied Chemistry)

1962 Faculty of Science and Eng.

Mathematics, Physics,
Industrial and Systems Engineering

1992 Information Systems and Engineering
2008 Biological Sciences
2013 Integrated Science and Engineering for Sustainable Society

CHUO UNIVERSITY
School of Science and Engineering

- Established in 1949
- Number of students (2017)
  - 4,155 (undergraduate), 614 (graduate)
- Departments (10 Departments):
  - Mathematics
  - Physics
  - Civil and Engineering
  - Precision Mechanics
  - Applied Chemistry
  - Electrical, Electronic and Communication Engineering
  - Industrial and Systems Engineering
  - Information Systems and Engineering
  - Biological Sciences
  - Integrated Science and Engineering for Sustainable Society
Chuo University: Education & Research

• Providing **practical education** and promoting **innovative approaches** to understanding a broad spectrum of contemporary problems.

• Covering not only Science and Engineering but also Law, Economics, Commerce, Humanities, Policy Studies, and Business.

• Taking an **interdisciplinary approach** to important contemporary concerns with new technologies, law and public policies.
Research & Education in Science & Engineering

Research Promotion
Institute of Science and Engineering / R&D Initiative
(+ Collaboration with Schools, Research Institutes, Industries)
Interdisciplinary Studies (as Sub-major)

Cooperation with National Research Institutes

Primary Fields (Majors)
International Student for Ph.D. Course

Research Projects with Private Industry

University as Innovation Hub
(1) Starting as International Internship + Ph.D. Student
(2) Joining Research Work
(3) Joining Collaborative Research Project
(4) Global Collaboration

Young Researcher / Internship Student

University + Coordinating Org.
WISE Chuo diversity Programs
STEM education + PBL for females (+males)

STEM-background female engineers from industry teach:
R&D, projects & life style approaches

Joint programs with over ten global companies

WISE Chuo alumni in industry also join as role models

Undergraduates: 10% → 20% → 30%?
Graduates: 5% → 10% → 30%?

Males should learn with females

 Lectures + PBL
More info on Chuo University
## Graduate Programs

<table>
<thead>
<tr>
<th>Graduate School</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate School of Law</td>
<td>Public Law, Private Law, Criminal Law, International Business, Transaction Law, Political Science</td>
</tr>
<tr>
<td>Graduate School of Economics</td>
<td>Economics, International and Public Economics</td>
</tr>
<tr>
<td>Graduate School of Commerce</td>
<td>Commerce</td>
</tr>
<tr>
<td>Graduate School of Letters</td>
<td>Japanese Literature, English Studies, German Studies, German Language and Culture, French Studies, Chinese Language and Culture, Japanese History, Asian and African History, European and American History, Philosophy, Sociology, Socio Informatics, Education, Psychology</td>
</tr>
<tr>
<td>Graduate School of Policy Studies</td>
<td>Policy Studies</td>
</tr>
<tr>
<td>Graduate School of Public Policy</td>
<td>Public Policy*</td>
</tr>
</tbody>
</table>

* Only Master course available  ** Only Doctor course available

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## Professional Graduate Programs

- Chuo Graduate School of International Accounting
- Chuo Law School
- Chuo Graduate School of Strategic Management
Lab Info: Physics

Prof. Y. Tsuboi
Astrophysics
X-ray observation satellite

Prof. S. Tohjo
Quantum optics
Laser cooling
Lab Info: Civil & Environmental Eng.

Prof. T. Arikawa
Tsunami disaster management

Prof. K. Kashiyama
Computational mechanics
Lab Info: Precision Mechanics

Prof. H. Osumi
Advanced Robot Control & Modeling

Prof. K. Umeda
Intelligent Sensing and Robot Vision

Prof. T. Nakamura
Bio-inspired Robot and Smart Actuator
Lab Info: Electrical + Electronics

Prof. H. Hashimoto
Intelligent space and Robotics

Prof. Y. Kunii
Field Robotics and Tele-operating systems
Lab Info: Applied Chemistry

Prof. M. Haga
Metal/Supramolecular complexes

Prof. T. Komatsu
Biomaterials
"artificial blood"
Lab Info: Industrial Science

“Kansei” (感性) engineering
  • affective computing
Lab Info: Information Systems & Eng.

Prof. M. Makino
System Analysis/Computer Graphics

Prof. H. Suzuki
Intelligence/Information Control
Lab Info: Integrated Sci. and Eng. for Sustainable Society

Prof. M. Ishikawa
landscape architecture

Prof. I. Dan
Cognitive Neuroscience
### Number of students who passed the National CPA Exam in 2016

<table>
<thead>
<tr>
<th>Rank</th>
<th>University</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Keio University</td>
<td>139</td>
</tr>
<tr>
<td>2</td>
<td>Chuo University</td>
<td>96</td>
</tr>
<tr>
<td>2</td>
<td>Waseda University</td>
<td>96</td>
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<tr>
<td>4</td>
<td>Meiji University</td>
<td>72</td>
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<tr>
<td>5</td>
<td>University of Tokyo</td>
<td>36</td>
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Chuo University Institute of Accounting Research and the Chartered Accountant Hakumonkai, an Affiliate of the Chuo University Alumni Association
### Private Universities to Government Officials in 2016

<table>
<thead>
<tr>
<th>Rank</th>
<th>University</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Waseda University</td>
<td>133</td>
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<tr>
<td>2</td>
<td>Keio University</td>
<td>98</td>
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<tr>
<td>3</td>
<td>Chuo University</td>
<td>51</td>
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</table>

*National Personnel Authority in Japan*
<table>
<thead>
<tr>
<th>Rank</th>
<th>University</th>
<th>Count</th>
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<tbody>
<tr>
<td>1</td>
<td>University of Tokyo</td>
<td>143</td>
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<tr>
<td>2</td>
<td>Keio University</td>
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<tr>
<td>3</td>
<td>Waseda University</td>
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<td>4</td>
<td>Chuo University</td>
<td>31</td>
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<tr>
<td>5</td>
<td>Kyoto University</td>
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2017 University Ranking by Asahi Shimbun Publications
<table>
<thead>
<tr>
<th>Rank</th>
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<th>Count</th>
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</thead>
<tbody>
<tr>
<td>1</td>
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<tr>
<td>2</td>
<td>University of Tokyo</td>
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<td>3</td>
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<td>Kyoto University</td>
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<td>5</td>
<td>Nihon University</td>
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<td>6</td>
<td>Chuo University</td>
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<td>7</td>
<td>Meiji University</td>
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<tr>
<td>8</td>
<td>Doshisha University</td>
<td>33</td>
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</tbody>
</table>

2017 University Ranking by Asahi Shimbun Publications
<table>
<thead>
<tr>
<th>Rank</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Harvard University</td>
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<td>2</td>
<td>University of Tokyo</td>
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<td>3</td>
<td>Stanford University</td>
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<td>9</td>
<td>Keio University</td>
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<td>18</td>
<td>Kyoto University</td>
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<td>20</td>
<td>Waseda University</td>
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<td>27</td>
<td>Chuo University</td>
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<tr>
<td>43</td>
<td>Hitotsubashi University</td>
</tr>
</tbody>
</table>

Times Higher Education, September 5, 2013
International Collaborations

• Offices
  – Pacific Office in Hawaii
  – ASEAN Office in Thailand
  – China office in Shanghai

• Developing new Materials and Courses
  – Japanese Law courses taught in English
  – Joint Classes, TV conferencing with foreign partners
  – Double Degrees
  – Joint Internships
International Students

<table>
<thead>
<tr>
<th>Country</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>448</td>
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<tr>
<td>Korea</td>
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<tr>
<td>Malaysia</td>
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<td>Taiwan</td>
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<td>France</td>
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<td>USA</td>
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<td>Vietnam</td>
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<tr>
<td>UK</td>
<td>7</td>
</tr>
<tr>
<td>German</td>
<td>7</td>
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<tr>
<td>Thailand</td>
<td>6</td>
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<tr>
<td>Hong Kong</td>
<td>5</td>
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<tr>
<td>Indonesia</td>
<td>5</td>
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<tr>
<td>Others</td>
<td>31</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>798</strong> (as of May 2013)</td>
</tr>
</tbody>
</table>

Chuo International Residence

Located an 8 min. walk from JR Toyoda station, Chuo University provides a cross-cultural environment for students who want to interact with students from other cultures. Exchange students normally share a unit with a Japanese student and/or other international students who are from different countries.
Active Learning Study Abroad

@Sydney
Faculty Linkage Program

Japan

Shanghai

Thailand
Interdisciplinary Studies: FLP Seminars

• Five programs
  – Environment
  – International Cooperation
  – Journalism
  – Regional & Public Management
  – Sports & Health Science

Faculty Linkage Of Chuo’s 6 faculties
Learning Law in English at Chuo and Abroad

Learning Law in English @ UNSW in Sydney
Chuo Special Programs for foreign students

Japanese culture experiences / Cultural exchange

Joint lectures for foreign students + Chuo students
Educational Collaborations

Introducing Japanese culture @ Brandeis U

Joint seminar @ Harvard U

Presentations
Discussions
Joint Internships