Tongji University is the leading universities directly under the authority of Ministry of Education in China, included in the state-funded Project 211, the 21st Century Education Rejuvenation Action Plan of China. The history of the university dates back to 1907 when German doctor Erich Paulun established Tongji German Medical School; in 1923 officially named as university; in 1927 as national university which was a world famous comprehensive university with science, engineering, medicine, arts and law. In 1952, after the discipline restructure, Tongji became the largest and most complete engineering university in Chinese civil engineering field. In 1978, with the Reform and Opening approved by the State, Tongji quickly developed to be one multi-disciplinary university with the engineering orientation. Today, experienced more than 100-year history, Tongji has grown into a comprehensive research university with nine major disciplines, namely sciences, engineering, medicine, liberal arts, law, economics, management, philosophy and pedagogy.

Tongji endeavors in the internationalization, cooperating with educational, technological and economic fields of Germany, France, UK, USA, Japan, Canada, Australia, Switzerland, Austria and Korea, etc. Approved by Chinese and German governments, Sino-German College for Graduate Study and Sino-German College of Applied Sciences are established in Tongji; approved by Chinese and Italian governments, Sino-Italian Campus established. There are jointly established colleges such as Sino-French Institute of Engineering and Management cooperated with Paris Tech in France, Tongji-UNEP Institute of Environment for Sustainable Development cooperated with UNEP as well as Tongji-Australian Institute of Technology and many other international programs.

Tongji makes great effort in the development of International students’ education. In 2009, total registered international students’ amounts to 3846, among which the degree students are over 50%.

**Faculty:**

Teaching and research staff: over 4200; 6 academician of Chinese Science Academy, 7
academician of Chinese Engineering Academy; over 830 professors and over 1470 associate professors.

Industrialized Discipline Chain:

In Tongji, there are more than 20 colleges/schools with 82 undergraduate programs, 218 academic Master programs, 8 professional Master programs, 94 Doctoral programs and 16 post-Doc. Mobile stations. As one of the state key research centers, the university has 26 key laboratories and engineering research centers either at the state level or provincial level. The two industrialized discipline chains/groups are:

Urban Construction & Disaster Prevention, integrating Architecture, Urban Planning, Civil Engineering, Bridge, Energy, Survey, Road, Geotechnical Engineering and Environment within Siping Campus;

Modern Manufacturing, supported by the National Engineering Center for Clean Energy Vehicle, synergizing Automobile, Rail Traffic, Traffic Engineering, Software Engineering, Management, Material Science, IT and Mechanical Engineering in Jiading campus, which is close to Shanghai international automobile city.

Educational Features and Goals: Social Service and Internationalization:

In recent years, Tongji University has been exploring and gradually forming the modern concept on education and school running with Tongji Characteristics. It has been decided that the undergraduate education should be the foundation of the university whereas the graduate education be a way to strengthen the university. Now the university has established the comprehensive quality-oriented education pattern and talent training model that emphasize the integration of “knowledge, ability and personality”. The university sticks to the harmonious development of the four functions of the university, i.e. “talents fostering, scientific research, social service and international communication”. It keeps strengthening its function of serving the society so as to realize the centralization of the university functions. In line with the national development strategy of science and technology and the major demand of the regional economy, Tongji is promoting traditional disciplines to a new level, strengthening the new disciplines, concentrating and simplifying the cross disciplines, and working closely with the industries, so as to form discipline chains and discipline groups that promote the interaction and common progress of the strong disciplines and the weak disciplines, and to build up the discipline system of a comprehensive university. In the process of contributing to the national economic and social development, we strive for more Championships and advance the academic and social fame.

Degree Programs

Bachelor's Degree (4 years)

General Scholar (1-2years)

1. Architecture (5 Years)

2. Architecture (Interior Design) (5 Years)

3. Urban Planning (5 Years)

4. Historic Building Protection Engineering
5. Industrial Design
6. Art Design
7. Landscape Studies
8. Advertising
9. Broadcast & Television Journalism
10. Broadcast & TV Directing
11. Animation
12. Music performance
13. Performance
14. Broadcast & TV Directing (Film Production)
15. Biological Technology
16. Biological Information
17. Clinical Medicine (5 Years)
18. Stomatology (5 Years)
19. Engineering Management
20. Information Management & Information Systems
21. Logistics Management
22. Marketing
23. Accounting
24. International Economics & Trade
25. Finance
26. Administrative Management
27. Civil Engineering
28. Geological Engineering
29. Port Channel & Coast Engineering
30. Geographic information system
31. Survey & Drawing Engineering
32. Traffic Engineering
33. Transportation & Communication
34. Logistics Engineering
35. Environmental Engineering
36. Water Supply & Sewerage Engineering
37. Environmental Science
38. Material Science & Engineering
39. Machinery Design & Manufacturing & Automation
40. Industrial Engineering
41. Architectural Environment & Equipment
42. Thermal Energy & Dynamic Engineering
43. Engineering (Automobile School) (5 Years)
44. Vehicle Engineering(railway)
45. Computer Science & Technology
46. Information Security
47. Electronic Information Engineering
48. Electrical Engineering & Automation
49. Automation
50. Communications Engineering
51. Electronic Science & Technology
52. Software Engineering
53. Software Engineering(media art &science)
54. Mechatronics
55. Automotive Engineering & After-Sales Services
56. Building Services Engineering
57. Geology
58. Geophysics
59. Geo-informational Science & Technology
60. Flight vehicle manufacture project
61. Engineering Mechanics
62. Mathematics & Applied Mathematics
63. Statistics
64. Applied Physics
65. Light information science and technology
66. Applied Chemistry
67. Chemical Engineering & Technology
68. Electronics and Information Engineering (for teachers of vocational education)
69. Mechanical Engineering and Automation (for teachers of vocational education)
70. Civil Engineering (for teachers of vocational education)
71. Business Administration (for teachers of vocational education)  
30. Human Anatomy, Histology an Embryology  
31. Obstetrics and Gynecology  
32. Basic Science of Stomatology  
33. Clinical Science of Stomatology  
34. Art Theory  
35. Communication  
36. Biomedical Engineering  
37. Biology  
38. Disaster Prevention and Reduction Engineering and Protective Engineering  
39. Cartography and Geography Information System  
40. Geological Engineering  
41. Cartography and Geographic Information Engineering  
42. Photogrammetry and Geographic Information  
43. Geodesy and Survey Engineering  
44. Harbor, Coastal and Offshore Engineering  
45. Hydraulic Structure Engineering  
46. Hydrology & Water Resources  
47. Computer Simulation in Civil Engineering  
48. Tunnel and Underground Engineering  
49. Geotechnical Engineering  
50. Structural Engineering (Chinese) (English)  
51. Bridge and Tunnel Engineering  
52. Civil Engineering Construction  
53. Wind Engineering  
54. Engineering Thermo physics  
55. Industrial Engineering  
56. Mechanical Design and Theory  
57. Thermal Power Engineering  
58. Heat, Gas Supply, Ventilating and Air Conditioning Engineering  
59. Refrigeration and Cryogenic Engineering  
60. Mechanical Manufacture and Automation  
61. Mechatronic Engineering  
62. Technology Economy and Management  
63. Administration Management  
64. Social Security  
65. Land Resource Management  
66. Information Science  
67. Educational Economy and Management  
68. Regional Economics  
69. Public Finance  
70. Finance

72. German  
73. English  
74. Japanese  
75. Law  
76. Politics & Administration  
77. Sociology  
78. Philosophy  
79. Culture Industry Management  
80. Chinese literature  
81. Chinese Language (Economics and Trade)

Master’s Degree (2.5-3 years program except MBA and IMBA for 2 years)  

Senior Scholar (1-2 years)  
1. Architectural History & Theory  
2. Architectural Design & Theory  
3. Artistic Design  
4. Urban Planning & Design  
5. Landscape Architecture  
6. Building Technology Science  
7. Urban Design (English)  
8. Emergency Medicine  
9. Epidemiology and Health Statistics  
10. Pharmacology  
11. Geriatrics  
12. Nutrition and Food Hygiene  
13. Anesthesiology  
14. Oncology  
15. Otolaryngology  
16. Ophthalmic Specialty  
17. Chinese Internal Medicine  
18. Surgery  
19. Nursing  
20. Clinical Laboratory diagnostics  
21. Imaging and Nuclear Medicine  
22. Dermatology and venereology  
23. Psychiatry and Mental health  
24. Neurology  
25. Pediatrics  
26. Internal Medicine  
27. Pathology and Pathophysiology  
28. Pathogenic Organisms  
29. Immunology  

82. Chinese Literature (History and Culture)
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>71.</td>
<td>Industrial Economics</td>
</tr>
<tr>
<td>72.</td>
<td>International Trade</td>
</tr>
<tr>
<td>73.</td>
<td>Management Science and Engineering</td>
</tr>
<tr>
<td>74.</td>
<td>Accounting</td>
</tr>
<tr>
<td>75.</td>
<td>Corporate Management (Chinese)(English)</td>
</tr>
<tr>
<td>76.</td>
<td>Municipal Engineering</td>
</tr>
<tr>
<td>77.</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>78.</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>79.</td>
<td>Environmental Management and Sustainable Development(English)</td>
</tr>
<tr>
<td>80.</td>
<td>Nano Materials and Technology</td>
</tr>
<tr>
<td>81.</td>
<td>Bio-materials Science</td>
</tr>
<tr>
<td>82.</td>
<td>Materials Processing Engineering</td>
</tr>
<tr>
<td>83.</td>
<td>Materialogy</td>
</tr>
<tr>
<td>84.</td>
<td>Control Theory and Control Engineering</td>
</tr>
<tr>
<td>85.</td>
<td>Electric Machines and Electric Apparatus</td>
</tr>
<tr>
<td>86.</td>
<td>Power Systems and its Automation</td>
</tr>
<tr>
<td>87.</td>
<td>Power Electronics and Power Drives</td>
</tr>
<tr>
<td>88.</td>
<td>Circuits and Systems</td>
</tr>
<tr>
<td>89.</td>
<td>Microelectronics and Solid State Electronics</td>
</tr>
<tr>
<td>90.</td>
<td>Communication and Information Systems</td>
</tr>
<tr>
<td>91.</td>
<td>Signal and Information Processing</td>
</tr>
<tr>
<td>92.</td>
<td>Detection Technology and Automatic Equipment</td>
</tr>
<tr>
<td>93.</td>
<td>Systems Engineering</td>
</tr>
<tr>
<td>94.</td>
<td>Pattern Recognition and Intelligent Systems</td>
</tr>
<tr>
<td>95.</td>
<td>Computer Systems Organization</td>
</tr>
<tr>
<td>96.</td>
<td>Computer Software and Theory</td>
</tr>
<tr>
<td>97.</td>
<td>Computer Applied Technology</td>
</tr>
<tr>
<td>98.</td>
<td>Agricultural Biological Environmental and Energy Engineering</td>
</tr>
<tr>
<td>99.</td>
<td>Mechanics</td>
</tr>
<tr>
<td>100.</td>
<td>Computational Mathematics</td>
</tr>
<tr>
<td>101.</td>
<td>Applied Mathematics</td>
</tr>
<tr>
<td>102.</td>
<td>Fundamental Mathematics</td>
</tr>
<tr>
<td>103.</td>
<td>Operational Research and Cybernetics</td>
</tr>
<tr>
<td>104.</td>
<td>Information and Functional Materials and Devices</td>
</tr>
<tr>
<td>105.</td>
<td>Optics</td>
</tr>
<tr>
<td>106.</td>
<td>Condensed Matter Physics</td>
</tr>
<tr>
<td>107.</td>
<td>Education Technology</td>
</tr>
<tr>
<td>108.</td>
<td>Materials Physics and Chemistry</td>
</tr>
<tr>
<td>109.</td>
<td>Optical Engineering</td>
</tr>
<tr>
<td>110.</td>
<td>Theoretical Physics</td>
</tr>
<tr>
<td>111.</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>112.</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>113.</td>
<td>Inorganic Chemistry</td>
</tr>
<tr>
<td>114.</td>
<td>Applied Chemistry</td>
</tr>
<tr>
<td>115.</td>
<td>Physical Chemistry</td>
</tr>
<tr>
<td>116.</td>
<td>Acoustics</td>
</tr>
<tr>
<td>117.</td>
<td>Highway and Railway Engineering</td>
</tr>
<tr>
<td>118.</td>
<td>Transportation Planning and Management</td>
</tr>
<tr>
<td>119.</td>
<td>Traffic Information Engineering &amp;Control</td>
</tr>
<tr>
<td>120.</td>
<td>Signal and Information Processing</td>
</tr>
<tr>
<td>121.</td>
<td>Management Science and Engineering</td>
</tr>
<tr>
<td>Number</td>
<td>Field</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>122.</td>
<td>Science of Economic Laws</td>
</tr>
<tr>
<td>123.</td>
<td>International Law</td>
</tr>
<tr>
<td>124.</td>
<td>Mechanical Manufacture and Automation</td>
</tr>
<tr>
<td>125.</td>
<td>Vehicle Engineering</td>
</tr>
<tr>
<td>126.</td>
<td>Corporate Management</td>
</tr>
<tr>
<td>127.</td>
<td>Control Theory and Control Engineering</td>
</tr>
<tr>
<td>128.</td>
<td>Transport Facility Exertion Engineering</td>
</tr>
<tr>
<td>129.</td>
<td>Vehicle Engineering</td>
</tr>
<tr>
<td>130.</td>
<td>Computer Applied Technology</td>
</tr>
<tr>
<td>131.</td>
<td>Vehicle Engineering</td>
</tr>
<tr>
<td>132.</td>
<td>Power Machinery and Engineering</td>
</tr>
<tr>
<td>133.</td>
<td>Marine Chemistry</td>
</tr>
<tr>
<td>134.</td>
<td>Marine Biology</td>
</tr>
<tr>
<td>135.</td>
<td>Marine Geology</td>
</tr>
<tr>
<td>136.</td>
<td>Structural Geology</td>
</tr>
<tr>
<td>137.</td>
<td>Solid Earth Physics</td>
</tr>
<tr>
<td>138.</td>
<td>Geodetection and Information Technology</td>
</tr>
<tr>
<td>139.</td>
<td>Mineral Resource Prospecting and Exploration</td>
</tr>
<tr>
<td>140.</td>
<td>Quaternary Geology</td>
</tr>
<tr>
<td>141.</td>
<td>Human Movement Science</td>
</tr>
<tr>
<td>142.</td>
<td>Linguistics and Applied Linguistics in Foreign Languages</td>
</tr>
<tr>
<td>143.</td>
<td>Japanese Language and Literatures</td>
</tr>
<tr>
<td>144.</td>
<td>German Language and Literatures</td>
</tr>
<tr>
<td>145.</td>
<td>English Language and Literatures</td>
</tr>
<tr>
<td>146.</td>
<td>Vocational and Technical Education</td>
</tr>
<tr>
<td>147.</td>
<td>Theory of Literature and Art</td>
</tr>
<tr>
<td>148.</td>
<td>Theater and Chinese Traditional Opera</td>
</tr>
<tr>
<td>149.</td>
<td>Adult Education</td>
</tr>
<tr>
<td>150.</td>
<td>Foreign Philosophies</td>
</tr>
<tr>
<td>151.</td>
<td>Chinese Philosophy</td>
</tr>
<tr>
<td>152.</td>
<td>Higher Education</td>
</tr>
<tr>
<td>153.</td>
<td>Comparative Literature and World Literature</td>
</tr>
<tr>
<td>154.</td>
<td>Modern and Contemporary Chinese Literature</td>
</tr>
<tr>
<td>155.</td>
<td>Philosophy of Science and Technology</td>
</tr>
<tr>
<td>156.</td>
<td>Science of Religion Ethics</td>
</tr>
<tr>
<td>157.</td>
<td>Aesthetics</td>
</tr>
<tr>
<td>158.</td>
<td>Science of Economic Laws</td>
</tr>
<tr>
<td>159.</td>
<td>Civil Law and Commercial law</td>
</tr>
<tr>
<td>160.</td>
<td>Criminal Jurisprudence</td>
</tr>
<tr>
<td>161.</td>
<td>Constitutional Law and Administrative Law</td>
</tr>
<tr>
<td>162.</td>
<td>Jurisprudence</td>
</tr>
<tr>
<td>163.</td>
<td>International Law</td>
</tr>
<tr>
<td>164.</td>
<td>International Politics</td>
</tr>
<tr>
<td>165.</td>
<td>Chinese and Foreign Political Institution</td>
</tr>
<tr>
<td>166.</td>
<td>Political Theory</td>
</tr>
<tr>
<td>167.</td>
<td>International Relations</td>
</tr>
<tr>
<td>168.</td>
<td>Sociology</td>
</tr>
<tr>
<td>169.</td>
<td>Labor Economics</td>
</tr>
<tr>
<td>170.</td>
<td>Political Economy</td>
</tr>
<tr>
<td>171.</td>
<td>Industrial Design Engineering</td>
</tr>
<tr>
<td>172.</td>
<td>Landscape Architecture</td>
</tr>
<tr>
<td>173.</td>
<td>Master of Architecture</td>
</tr>
<tr>
<td>174.</td>
<td>Internal Medicine</td>
</tr>
<tr>
<td>175.</td>
<td>Neurology</td>
</tr>
<tr>
<td>176.</td>
<td>Psychiatry and Mental health</td>
</tr>
<tr>
<td>177.</td>
<td>Imaging and Nuclear Medicine</td>
</tr>
<tr>
<td>178.</td>
<td>Surgery</td>
</tr>
<tr>
<td>179.</td>
<td>Obstetrics and Gynecology</td>
</tr>
<tr>
<td>180.</td>
<td>Ophthalmic Specialty</td>
</tr>
<tr>
<td>181.</td>
<td>Oncology</td>
</tr>
<tr>
<td>182.</td>
<td>Stomatological Medicine</td>
</tr>
<tr>
<td>183.</td>
<td>Art Design</td>
</tr>
<tr>
<td>184.</td>
<td>Biology Engineering</td>
</tr>
<tr>
<td>185.</td>
<td>Surveying and Mapping Engineering</td>
</tr>
<tr>
<td>186.</td>
<td>Hydraulic Engineering</td>
</tr>
<tr>
<td>187.</td>
<td>Architecture and Civil Engineering</td>
</tr>
<tr>
<td>188.</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>189.</td>
<td>Power engineering</td>
</tr>
<tr>
<td>190.</td>
<td>Industrial Engineering</td>
</tr>
<tr>
<td>191.</td>
<td>Logistic Engineering</td>
</tr>
<tr>
<td>192.</td>
<td>MBA</td>
</tr>
<tr>
<td>193.</td>
<td>IMBA (English)</td>
</tr>
<tr>
<td>194.</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>195.</td>
<td>Metallurgical Engineering</td>
</tr>
<tr>
<td>196.</td>
<td>Materials Engineering</td>
</tr>
<tr>
<td>197.</td>
<td>Computer Technology</td>
</tr>
<tr>
<td>198.</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>199.</td>
<td>Agricultural Engineering</td>
</tr>
<tr>
<td>200.</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>201.</td>
<td>Electronics and Communications Engineering</td>
</tr>
<tr>
<td>202.</td>
<td>Control Engineering</td>
</tr>
<tr>
<td>203.</td>
<td>Integrated Circuit Engineering</td>
</tr>
<tr>
<td>204.</td>
<td>Chemistry Engineering</td>
</tr>
<tr>
<td>205.</td>
<td>Logistic Engineering</td>
</tr>
<tr>
<td>206.</td>
<td>Traffic and Transportation Engineering</td>
</tr>
<tr>
<td>207.</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>208.</td>
<td>Vehicle Engineering</td>
</tr>
<tr>
<td>209.</td>
<td>Electronics and Communications Engineering</td>
</tr>
</tbody>
</table>
210. Control Engineering
211. Industrial Engineering
212. Traffic & Transportation Engineering
213. Software Engineering
214. Power engineering
215. Vehicle Engineering
216. Geological Engineering
217. German Translation
218. English-Chinese Translation
219. Master’s degree of Law Program (Bachelor holder of Law)
220. Master’s degree of Law Program (Bachelor holder of other disciplines)

**Doctoral Degree (3 years)**

**Senior Scholar (1-2 years)**

1. Architectural History & Theory
2. Architectural Design & Theory
3. Urban Planning & Design
4. Landscape Architecture
5. Building Technology Science
6. Surgery
7. Internal Medicine
8. Clinical Medicine
9. Clinical Science of Stomatology
10. Science of Stomatology
11. Biomedical Engineering
12. Biochemistry and Molecular Biology
13. Disaster Prevention and Reduction Engineering and Protective Engineering
14. Geological Engineering
15. Cartography and Geographic Information Engineering
16. Photogrammetry and Geographic Information
17. Geodesy and Survey Engineering
18. Computer Simulation in Civil Engineering
19. Tunnel and Underground Engineering
20. Geotechnical Engineering
21. Structural Engineering
22. Bridge and Tunnel Engineering
23. Civil Engineering Construction
24. Wind Engineering
25. Mechanical Design and Theory
26. Thermal Power Engineering

27. Heat, Gas Supply, Ventilating and Air Conditioning Engineering
28. Mechanical Manufacture and Automation
29. Mechatronic Engineering
30. Technology Economy and Management
31. Management Science and Engineering
32. Accounting
33. Corporate Management
34. Development and Management of Science and Technology
35. Intellectual Property and knowledge Management
36. Construction Engineering and Management
37. Urban Development and Management
38. Management Theory and Industrial Engineering
39. Information Management and Information Systems
40. Municipal Engineering
41. Environmental Science
42. Environmental Engineering
43. Nano Materials and Technology
44. Bio-materials Science
45. Materials Processing Engineering
46. Materialogy
47. Control Theory and Control Engineering
48. Detection Technology and Automatic Equipment
49. Pattern Recognition and Intelligent Systems
50. Computer Systems Organization
51. Computer Software and Theory
52. Computer Applied Technology
53. Pattern Recognition and Intelligent Systems
54. Mechanics
55. Applied Mathematics
56. Fundamental Mathematics
57. Information and Functional Materials and Devices
58. Optics
59. Condensed Matter Physics
60. Materials Physics and Chemistry
61. Theoretical Physics
62. Organic Chemistry
63. Analytical Chemistry
64. Inorganic Chemistry
Tuition

1. Application fees: RMB410 yuan
2. Tuition
   1) Bachelor
      Architecture/Arts/Medical: RMB28700 yuan/year
      Science/Engineering: RMB24600 yuan/year
      Liberal Arts: RMB20000 yuan/year
   2) Master (Professional programs included)
      Architecture/Arts/Medical: RMB32800 yuan/year
      Science/Engineering: RMB28700 yuan/year
      Liberal Arts: RMB22960 yuan/year
      MBA: RMB50000 yuan/year
      IMBA (taught in English): RMB58000 yuan/year
      Other English-taught programs: to be defined
   3) PhD
      Architecture/Arts/Medical: RMB45000 yuan/year
      Science/Engineering: RMB41000 yuan/year
      Liberal Arts: RMB30000 yuan/year

3. General/Advanced Scholar and Chinese Language Learner
   General Scholar: RMB1230 yuan/year
   Advanced Scholar: RMB2050 yuan/year
   Chinese language learner: RMB16400 yuan/year
   Foundation program: RMB33850 yuan/year

4. Course Material
   1) Chinese language: RMB200-300 yuan/semester
   2) Other programs depend on specific courses

5. Campus Housing
   1) Siping campus: RMB70-80 yuan/day/room
   2) Jiading campus: RMB35-40 yuan/day/room

6. Insurance: RMB300 yuan/semester; RMB600 yuan/year

Characteristic Majors and English-offered Courses

1. International Foundation Program for Foreign Students
   In March of 2009, Tongji University was officially approved by the Ministry of Education of China to initiate the foundation program for foreign students who obtained the Chinese Government Scholarship. In China, there are only six universities authorized, including Tongji. Foreign students will have a systematic study of general Chinese, professional Chinese, Chinese culture, cross-cultural communication, basic courses of mathematics, physics, chemistry, biology and computer science. Various language practices and social activities will also be provided. After one year’s study at Tongji University, those students will have a basic knowledge of Chinese language and culture, acquiring Chinese language and cross-cultural communication skills with a certain amount of professional Chinese words and phrases, which will help them meet the requirements of their further studies and daily life in the colleges and universities in China.

2. English-taught Curriculum
   For international students without Chinese language capability, Tongji tailors four categories of undergraduate courses (Information Technology, Mechanical Engineering, Software Engineering and Economics & Management), five International Master Degree programs
(Environmental Management and Sustainable Development, Urban Design, Enterprise Management, Software Engineering, Structural Engineering) and eight General courses about China (Urban Culture and Urban Aesthetics, Chinese History and Culture, China's Socio-Economic Development, The Shape and Growth of the Town & Village in China, Sustainable Development in China, Intercultural Communication, Cultural Heritage Conservation in China, China’s Foreign Affairs and International Relations, Chinese Intellectual Property Protection). The MBBS program of Medical School was opened in 2011.

A. International Master’s Degree Program in Environmental Management and Sustainable Development

**Duration of study:** 2 Years

**Objective of the Program**

This program is designed, in environmental disciplines, to provide students the basic theories and systematic knowledge in environmental science, environmental economy, environmental sociology, and environmental management. It is to enable students to understand the concept and theory in sustainable development, to have the potential and innovative thinking in environmental and resource management, so as to apply to the practice in policies assessment, management, or decision-making in their country, region, or industry.

**Admission Requirements**

1. Language: 80 or above for TOEFL; or 6.0 or above for IELTS; or other certificates which can prove that English is his/her native language or the working language at college;

   A. College educational background or equivalent and majors in environment, energy, chemical engineering, urban planning or economy and management etc.;

   B. College graduation certificate and academic transcript; Documents in languages other than Chinese or English must be attached with notarized translations in Chinese or English;

   C. A letter of motivation (reasons for applying to this program, not less than 800 words)

5. Recommendation letters by two associate professors or associate professor level professionals;

**Study Requirements**

**Course study requirements:**

Total credits are not fewer than 34, in which 18 credits are from core courses (including Chinese), and more than 11 credits are from selective courses. Not less than 5 credits are from other compulsory activities.

**Thesis Requirement:**

Students should complete research proposal writing before the end of the second semester. The master thesis and research work should be done according to the standards of The Ministry of Education of the People's Republic of China and pass the thesis defense finally.

**Compulsory Courses**

Environmental Science; Environmental Ethics; Environmental sociology; Environmental Economy and Circular Economy; Tools and Frameworks for environment management; Environment laws and system; Global Warming and Climate Change

**Degree to be awarded:**

The student who has fulfilled all the courses and thesis requirements will be awarded the Master Degree of Environmental Science of Tongji University.

B. International Master's Degree Program in Urban Design

**Duration of study:** 2 years

**Objective of the Program:**

The International Master Course aims to educate experts in architecture or urban planning and design.

**Admission Requirements:**

1. Language: 80 or above for TOEFL; 6.0 or above for IELTS; or other certificates which can prove that English is his/her native language or the working language at college;
prove that English is his/her native language or the working language at college;
2. College educational background or equivalent and major in architecture and urban planning;
3. College graduation certificate and academic transcript; Documents in languages other than Chinese or English must be attached with notarized translations in Chinese or English;
4. A letter of motivation (reasons for applying to this program, not less than 800 words)
5. Recommendation letters by two associate professors or associate professor level professionals.

Study Requirements:
Course study requirements:
Total credits are not fewer than 34, in which 18 credits are from core courses (including Chinese), more than 11 credits are from selective courses. Not less than 5 credits are from other compulsory activities and not less than 12 credits from design practice.

Thesis Requirement:
Thesis is the main qualification of graduation, and also graduation design does in some special cases. Thesis defense will be processed according to the regulations of Tongji University.

Compulsory Courses:
History of Urban Development in East Asia; Comments on Theories and Works of Modern Architects; Theory on Urban Design; Modern Residence Typology; Topic Selection and Writing of Theses; Architecture Design; Principle of Architectural Design; Compare between Chinese and German Architecture; Sustainable Design Theories; Inspect on Chinese Modern Architecture

Degree to be awarded:
The student who has fulfilled all the courses and thesis requirements will be awarded the Master Degree of Architecture of Tongji University.

C. International Master's Degree Program in Enterprise Management

Duration of study: 2 Years

Objective of the Program:
The students should possess solid management and economic theoretical foundation and systematic professional knowledge, master the knowledge of relevant disciplines well, and always keep an eye on its fast development. They can use a foreign language comparatively skillfully and should grasp modern management approaches and technology to conduct management as well as theoretical research independently. After graduating, they can work competently at relevant economic administrative government departments, all kinds of enterprises, or the institutions of higher learning and scientific research.

Admission Requirements:
1. Language: 80 or above for TOEFL; 6.0 or above for IELTS; or other certificates which can prove that English is his/her native language or the working language at college;
2. College educational background or equivalent and majors in economy or management etc.;
3. College graduation certificate and academic transcript; Documents in languages other than Chinese or English must be attached with notarized translations in Chinese or English;
4. A letter of motivation (reasons for applying to this program, not less than 800 words);
5. Recommendation letters by two associate professors or associate professor level professionals.

Study Requirements:
Course study requirements:
Total credits are not fewer than 28, in which 18 credits are from core courses, more than 8 credits are from selective courses. Not less than 2 credits are from other compulsory activities. Students
who have not the background of economics or management must select the catch-up courses, which will not take any credits.

Thesis Requirement

Students should complete research proposal writing before the end of the second semester. The final thesis and research work should be done according to the standards of The Ministry of Education of the People’s Republic of China and pass the thesis defense finally.

Compulsory Courses:
Management (II); Information Technology & Management; Applied Statistics; Modern Economics; Special Topic Research; Internship

Degree to be awarded:
The student who has fulfilled all the courses and thesis requirements will be awarded the Master Degree of management of Tongji University.

D. International Master’s Degree Program in Software Engineering

Duration of Study: 2 Years
Objective of the program:
The program is designed to educate students for leadership roles in intermediate-large scale software system development and software project management. Graduates should have a profound understanding of advanced and practical software development methods, techniques, and tools related to each phrase of software development cycles, be able to discover innovative solution and implement leading-edge technologies. In addition, graduates are equipped with comprehensive knowledge related to information technology and expertise in certain specialty, such as enterprise computing, embedded system, service engineering and science, GIS, business intelligent, mainframe technology, and so on. Graduates should be immediately engaged in software development and software project management in domestic or international industry, government agencies, and academia or other institutions.

Admission requirements:
1. Language: 80 and above for TOEFL; or 6.0 and above for IELTS; or other certificates which can prove that English is his/her native language or the working language at college;
2. College educational background or equivalent and majors in computer science, computer engineering, electronic engineering, etc. If an applicant’s major is irrelevant to any mentioned major above, education background or working experience related to “IT” is expected.
3. College graduation certificate and academic transcript; Documents in languages other than Chinese or English must be attached with notarized translations in Chinese or English;
4. A letter of motivation (reasons for applying to this program, not less than 800 words);
5. Recommendation letters by two associate professors or associate professor level professionals.

Study requirements:

Course study requirements:
Total credits are not fewer than 30, in which 18 credits are from core courses and more than 12 credits are from selective courses.

Internship requirement:
Students should complete 0.5-1 year internship to participate in software system development, including designing, implementing, testing software system and project management. A successful internship carries 5 credits.

Thesis Requirement:
Students should complete research proposal writing before starting the internship. The Master degree thesis and research work should be done according to the standards of The Ministry of Education of the People’s Republic of China and the thesis defense should be passed finally. An approved and successfully thesis defend carries 5 credits.

Compulsory Courses:
Modern Software Engineering; Software Project Management; Software Test; Design and Analysis of Object-Oriented System Based on UML; Chinese

Degree to be awarded:
The student who has fulfilled all the courses and thesis requirements will be awarded the Master
Degree of Software Engineering of Tongji University.

E. International Master’s Degree Program in Structural Engineering

Duration of study: 2.5 Years

Objective of the program:
Through the study of the M.S. degree, the students are able to gain fundamental understanding of the development of structural engineering discipline, and be capable of developing skills in structural analysis, experiment, engineering design and research, and solving practical problems.

Admission Requirements:
1. Language: 80 or above for TOEFL; or 6.0 or above for IELTS; or other certificates which can prove that English is his/her native language or the working language at college;
2. College educational background or equivalent and majors in civil engineering or related programs;
3. College graduation certificate and academic transcript; Documents in languages other than Chinese or English must be attached with notarized translations in Chinese or English;
4. A letter of motivation (reasons for applying to this program, not less than 800 words);
5. Recommendation letters by two associate professors or associate professor level professionals.

Study Requirements:
Course study requirements:
Total credits are not fewer than 28, in which 20 credits are from core courses, and more than 6 credits are from selective courses. Not less than 2 credits are from other compulsory activities.

Thesis Requirement:
Students should complete research proposal writing before the end of the second semester. The Master degree thesis and research work should be done according to the standards of The Ministry of Education of the People's Republic of China and the thesis defense should be passed finally.

Compulsory Courses:
Structural Dynamics or Elastic and Plastic Mechanics; Engineering Mathematics; Advanced Concrete Structural Theory; Advanced Theory of Steel Structures; Advances and Development of Structural Engineering Research; Professional English

Degree to be awarded:
The student who has fulfilled all the courses and thesis requirements will be awarded the Master Degree of Engineering of Tongji University.

INTERNATIONAL MBBS PROGRAM
An English-taught Medical Undergraduate Program

Duration of study: General: 5 years; Optional: 6 years

Objective of the program:
This program consists of study of basic medicine, clinical medicine and preventive medicine and requires the students of 1-year clinical training. Students who pass the graduation exam (including exam on medical knowledge and exam on clinical skills) will be granted the bachelor's degree of medicine. The program aims at producing clinicians who have sound professional integrity,
solid ground of basic medicine and systematic knowledge of clinical medicine and have acquired basic clinical skills as well as the ability to deal with problems in clinical settings.

**Tuition**

Tuition fee: 35000RMB per year
Registration fee: 410 RMB (non-refundable)

**Admission Requirements:**

- **Eligibility:** High school graduate or above, non-Chinese citizen
- **Language:** valid TOEFL or IELTS scores—minimum 93 /237 / 580 for TOEFL, or 6.0 for IELTS, or certificates or proofs that can prove equivalent English language proficiency.
  *Applicants from countries where English is the official or working language and applicants who have studied in an English-taught high school or college are exempted from TOEFL and IELTS report.
- **Submit a complete application package to International Student Office of Tongji University by post/airmail, which includes:**
  1. Original copy of high school graduation certificates;
  2. Transcripts of high school study, or college entrance exam scores in the student’s home country;
  3. Certificate of language proficiency;
  4. Printed Application Form that is filled online and signed with names;
  5. Copy of passport.
  *Certificate or transcripts of non Chinese or English versions should present the notarized Chinese or English translation versions.
  *Incomplete application package will not be processed.

**Study Requirements:**
The students should complete 203.5 credits, among which premed pubic courses are 26.5 credits, basic medical courses 48.5 credits and clinical medical courses 54.5 credits. The clinical rotation makes 74 credits.

**Compulsory Courses:**
Medical mathematics, medical chemistry, medical physics, organic chemistry, Chinese language and culture, Medical ethnics, General psychology, Behavioral Science, Cytology and biochemistry, human anatomy, Molecular Genetics, Histology and embryology, Neurobiology, Pathogenic organisms and infectious diseases, Immunology, Pathology and patho-physiology, Pharmacology, Diagnostics, Laboratory diagnostics, Imaging diagnostics, Health Science, Health and preventive medicine, Epidemiology and statistics, Internal medicine, Surgery, Obstetrics and gynecology, Pediatrics, Psychiatry, Nuclear medicine, Ophthalmic specialty, Otolaryngology, Dermatology and venereology, Neurology, Emergency medicine, Family medicine, Forensic medicine, Evidence-based Medicine, Medical Chinese; clinical rotation

**Degree to be awarded:**
The student who has fulfilled all the courses, finished the clinical training and passed the required examinations will be awarded the Bachelor's Degree of Medicine of Tongji University.

**Contacts**

Please contact Ms Zhang Hongli, Ms Wangyan, Ms Gao Pei as follows. Address: Room 703A, Zonghe Building, No. 1239 Siping Road, Yangpu District, Shanghai, China Zip code: 200092
Tel: 00 86-21-65983611
Fax: 00 86-21-65987933
E-mail: iso-zhaosheng@tongji.edu.cn
istju@tongji.edu.cn
Website: http://www.istju.com/Enindex.asp