CEIE ACADEMIC MOBILITY PROGRAM
Tongji University
Dear Students,

It is a great pleasure to invite you all to join CEIE-Academic Mobility Program.

With the launch of the Australian Government's New Colombo Plan, Tongji University has made plans to expand their academic collaboration network in Australia in order to offer increasing mobility for Australian students who wish to study abroad in China.

CEIE-Academic Mobility Program, is an English-taught academic program led by the College of Electronic and Information Engineering of Tongji University. Courses are taught by highly qualified lecturers from the different faculties in Tongji University. This program aims at providing students with an opportunity to experience new cultures whilst studying abroad in one of the most prestigious universities in China.

In addition to creating an intensive academic environment, we hope to give you a dynamic social experience through organising city tours, cultural site visits and a whole variety of different extracurricular activities in collaboration with Tongji University’s student clubs and societies.

I look forward to welcoming you at the CEIE-Academic Mobility Program and providing you all with an unforgettable global experience. I believe this experience at our program will pave a better path for your future career and open up many more exciting opportunities.

Xuefeng Ying
Dean of School, Tongji University
About Tongji University

Tongji University is one of the leading universities in China under direct administration of the Ministry of Education, listed on “Project 985” and “Project 211”. With a long standing history, Tongji has valued the development of four key areas which include educational development, research, outreach, and culture inheritance and innovation. It is one of the oldest and most prestigious institutions of higher education in China.

Since 1978, “two transforms” were launched, namely, the transformation into an international university by restoring links to Germany, and the transformation from a university focusing mainly on civil engineering to a multi-disciplinary engineering university. By 2007, the year of its centennial celebration, Tongji had become a comprehensive, international, research-oriented university with distinct features and global influence. In 2013, the university proposed its vision of “a sustainability-oriented, world-class university”.

CEIE-Academic Mobility Program is dedicated to providing students with innovative and high quality overseas courses and internship experiences. We help students who are passionate about furthering their education in prestigious universities through exchange programs which encourage personal development. We hope that through these experiences they are able to obtain a competitive advantage over their peers in both their studies and future careers.
SHORT TERM MOBILITY PROGRAM & ELIGIBILITY

Short Term Mobility Program

Our Program at Tongji University provides students with an opportunity to experience an unforgettable summer at one of the most prestigious Universities in China. Students can select up to 2 courses to be completed over a course of 3 weeks and receive an official academic transcript from Tongji University upon completion of the summer program.

Credit Transfer

You can study up to 2 courses during the summer school program. Each course has a equivalent of 6 credit to Australian University. Students should contact their university for credit transfer concerns.

Entrance Requirements

Both undergraduate and postgraduate students are welcomed. Students need to obtain a pre-approval from their home institution before applying for the program. All courses are taught in English. Students are required to have a sufficient level of English proficiency.

Application

Please see pages 8&9.

Accommodation

Student can book their own accommodation or they may apply for accommodation within the university. The university-run accommodation has limited spaces available. Please contact our us for more information on university-run accommodation.

For more information, please refer to website: see.tongji.edu.cn/28/fac1140a76026/page.htm
COURSES & ACTIVITIES

COURSE NAME

Drawing & Sketching
Introduction of Electrical Engineering
Artificial Intelligence
The Environment and Sustainable Engineering Systems
Cross Culture Management
E-Business
Entrepreneurship
Project Management

Scholarship available

Tongji University provides scholarships to students who are high achievers or students who demonstrate an ability to actively engage with the community through attending programs and volunteering events. Please talk to your consultant for further information regarding the different scholarships available.

Excursions

Students will be given the opportunity to go on tours around the city they are studying in as part of the program at no extra costs. This gives students an opportunity to get to know their classmates outside of the lecture theatres and make new friends.

Visit corporations

We provide students with the exclusive opportunity to take a tour around one of largest corporations in Asia and gain first hand insight into the activities of employees at those companies.

COURSE HIGHLIGHTS

1 Drawing & Sketching: In this course, students will apply both manual and computer applications to communicate and represent ideas and technical drawing systems. "Sketching" will be freehand drawing and "Drawing" will be done through using drawing instruments, from compasses to computer tools to bring greater precision to the drawings. Plain ideas can be translated into appealing and communicative visual images. Observational and conceptual drawing skills will be developed and enhanced to allow students to effectively convey different concepts. Students will also upskill their current skill sets to include computer-aided design (CAD) and development.

2 Introduction of Electrical Engineering: This unit is an introductory course for students who want to gain a fundamental understanding of electrical engineering. Students are taught basic electrical concepts such as voltage, current, resistance and power. Simple circuit analysis and electrical elements are studied as well as applied. Students learn to use basic equipment such as a multimeter and the digital storage oscilloscope (DSO). In the practical component students build simple circuits and test their creations.

3 Artificial Intelligence: In this course students will be gaining new insights into Artificial intelligence, machines and their computer systems exhibit intelligence. Students will be introduced to the fundamental concepts applied in Artificial intelligence such as agent architecture, knowledge representation, machine learning, game playing, robotics as well as planning and search techniques. Its application is wide and broad, reaching into a vast number of industries including education, healthcare, finance, transportation and manufacturing. Upon completion of the course students should be able to make practical application of strategies needed to build intelligent systems.

4 The Environment and Sustainable Engineering Systems: In this unit students will learn to implement elements of sustainable engineering designs which do not compromise the natural environment. Sustainable engineering takes environmental engineering concepts to the next level by looking at the interactions between technical, ecological, social and economic systems. Students will examine the processes and materials used in the life cycle of typical engineering designs. Societal influences and its impact on designs will also explored. Other areas of assessment will include the impacts on the environment, the economy and society as a whole. Case studies are drawn from the fields of electrical, chemical, mechanical, electronic and civil engineering. Through completing course work and team projects, students will develop critical skills needed for professional practice in designing sustainable engineering processes.
Entrepreneurship: This course diverges from the traditional definition of entrepreneurship as it believes that innovations are created in the learning process and can be “engineered” to ensure higher chances of success in the market. Existing ideas are often taken and realised through constant improvement and refinement, making it equally capable of succeeding compared with a completely nouveau idea. This unit will consist of several components which include the search of new ideas and the reconstruction of these ideas in turning them into project proposals and the application methodologies. Practical classes will be complementing theoretical material and through combined learning students will become more informed about the increasingly important role of technology, market patterns, and global influences. Key concepts and case studies will be used to aid students in the learning of those theories.

Project Management: This unit focuses on a holistic approach to project management. It provides students with a high level of understanding of the different processes involved in project management. Students will also develop sound skills in the use of project tools which allow for more effective tracking of project progress. The content deals with concepts and definitions, organisation and staffing the project office and team, planning, scheduling, cost control methods, risk management as well as contracts and procurement. Through a combination of formal learning, individual and group projects, participants will develop a full understanding of the leadership and technical capabilities needed for effective project management.

E-Business: This unit focuses on helping students develop an understanding of e-business issues. It looks into the strengths and weaknesses of key stakeholders who bring together technology with business. Cases studies will be drawn to illustrate the different business models of existing and emerging e-business companies. Other areas of focus will include security protection measures, legal and ethical concerns as well as key technologies responsible for the success of an e-business. Students are able to explore potential developments in the market through analysing existing and developing businesses.

Cross Culture Management: This course aims at providing students with an understanding of how to effectively manage cultural differences in businesses. Students will be provided with important insight into the process of internationalising a company and the implications it has on management both within and across businesses. An introduction to the key concepts and theories will be presented to help students understand the elements necessary for management of human resources in such a diverse contemporary workforce. Through field trips, analysing case studies and conducting individual research students are challenged to think critically on the signficance of cultural understanding in managing employees in from different backgrounds. This course equips students with a fundamental understanding of cross-cultural dynamics in a multi-cultural business to avoid expensive litigation and payment of damages.

APPLICATION PROCESS

1. Select your course
   You can download the course outlines online from our website.
   http://see.tongji.edu.cn/28/fa/c1140a76026/page.htm

2. Fill out credit transfer application form
   Download your pre approval form from your university website and fill it out. Our friendly consultants can provide you with assistance in filling out the form if needed.

3. Bring to faculty Office
   Bring the course outlines downloaded from Tongji University official site together with the application form (from Step 2) to the relevant faculty or student centre at your university. We have student ambassadors who can help to direct you to the right faculty if required.

4. Email us
   Once it is approved by your home institution send the approval email to tjcie-am@tongji.edu.cn or your consultant who will help you process the application to Tongji University. This should take 3-4 working days.

5. Pay your fees
   Once you receive your conditional offer from Tongji University, reply and pay your fees. Here, you will need to provide a photocopy of your passport along with other details.
GETTING STARTED

1 Accept your offer.
Read the terms and conditions carefully and accept your offer before the deadline to secure your place in our Summer Program 2017.

2 Confirm your personal details
Check that your full legal name is correctly written (as it appears on your driver’s license or passport) before proceeding. If students are citizens of the People’s Republic of China, a Chinese identification document is also valid. If there are any mistakes, please contact our support unit to make corrections.

3 Pay your tuition fee
Applicants are required to pay their tuition fees in full in order to accept their offer.
Payment options available include:
• BPAY
• Direct Transfer
• Cheque
• International Electronic Fund Transfer

4 Get your documents ready
Arrange for your Student Visa (if you are not a Citizen of the People’s Republic of China). Our staff are available to assist you with the visa application process. Take time to understand your student visa, its conditions and limitations.

5 Arrange your flight and accommodation
Make sure you have your accommodation details, and confirm your arrival date with the provider. Check your flight booking and ensure that you arrive early to have enough time to settle before the program starts.
We provide student with accommodation near their study facilities at discounted rates both within Tongji University and nearby the university, however students are also free to make their own arrangements with accommodation.

6 Transportation
Familiarise yourself with Hangzhou’s public transportation system and see the different ways you can travel around the city.
COSTS & DISCOUNTS

Tuition Fees

1 Course
• $2950

2 Courses
• $4650

Payment methods
• BPAY
• Direct Transfer to our bank account
• Cheque
• International Electronic Fund Transfer
• Cash payment at our Sydney office or at Tongji University

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FREQUENTLY ASKED QUESTIONS

• Which campus will I be on?
  CEIE Academic Mobility Program will be held in Siping Road (main) Campus of Tongji University.

• Will my marks affect my GPA?
  Marks from the short term program will not affect your overall GPA upon transfer of credit points back to your home institution. The course on your final Tongji University transcript will appear as transferred.

• What do I need to bring when attending the program?
  Students are advised to bring their laptops and relevant ID or documents. Students who wish to attend the welcome and finishing party should bring smart casual/semi-formal attire. Study materials and tools will be provided as required.

• What happens if you are unable to attend a lecture or tutorial?
  Seek leave from your lecturer through email and they will assign work for you to complete from home.

• Is the fee refundable?
  Please see our refund policy.

HOW TO CONTACT US

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Enquiries Contact

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