

National Taiwan University of Science and Technology
**International Advanced
Technology Program**



*Certified by Ministry of Education Taiwan
as a Full English Program*





Flight to Dream

Overview of NTUST (also known as Taiwan Tech)

The National Taiwan University of Science and Technology was the first higher education institution of its kind within Taiwan's technical and vocational education system, seeking to develop highly trained engineers and managers. Taiwan Tech is comprised of seven colleges, including engineering, electrical engineering & computer science, management, design, liberal arts & social sciences, applied sciences, and industry-academia innovation. Our vision is to build Taiwan Tech into an international applied research university producing high-tech and management personnel with the ability to compete on a global level, thus supporting the future growth of Taiwan and its society.

About the program

The International Advanced Technology Program (IATP) is a four-year international undergraduate program. All the courses in this program are taught in English, and students will specialize in one of the four fields based on their choices, i.e. Mechanical Engineering, Chemical Engineering, Materials Science and Engineering, and Civil and Construction Engineering. Our goal is to shape our students to become engineers who possess global outlook and cultural awareness. Students will be awarded a Bachelor of Science degree (B.S.) by the College of Engineering of Taiwan Tech upon successful completion of the program.

Highlights of the program

Double Degree Program with The University of New South Wales (UNSW)

Students who successfully complete two years of study in IATP may apply to enter the UNSW Bachelor of Engineering and study in UNSW for two years. On successful completion of both programs, the students will be awarded the degrees of Bachelor of Engineering (Honours) by UNSW and Bachelor of Science by Taiwan Tech.



Fees and Scholarship

Scholarships are available. For more information, please refer to our official website.

Tuition	3700 USD/ per year
Dorm	500~1200 USD/ per year
Scholarship	Highest 1870 USD/ per semester

Five-Year BA-MA Program

In present day, most of the companies are looking for multidisciplinary talents. Therefore, IATP encourages students to develop different skills and get the Bachelor's and Master's degrees from two different colleges. The Five-Year BA-MA program between IATP and MBA is instituted to encourage distinguished IATP students to start to pursue graduate studies earlier (in their BA years) in MBA, which enables them to study for a shorter period of time to get both BA and MA degrees in just five years. On successful completion of both programs, the students will be awarded the degrees of Bachelor of Science by College of Engineering and Master of Business Administration from the School of Management.

Co-curriculum activities

In order to equip students with technical skills and hands-on experiences, IATP arranges industry-academia cooperation with companies to open the training courses and company visits. We provide students ample learning activities in diverse fields. Students can develop their interest and talent in a wide range of co-curriculum activities.



Extra-curriculum activities

IATP arranges field trips such as cultural events and outdoor activities for students to know more about Taiwanese culture. Social service activities are also held to cultivate students' sense of global citizenship.



Course Map

	1. Freshman	2. Sophomore	3. Junior	4. Senior
Mechanical Engineering	<ul style="list-style-type: none"> ◆ Calculus (I) ~ (II) ◆ Physics (I) ~ (II) ◆ Chemistry (I) ~ (II) ◆ Physics Lab. (I) ~ (II) ◆ Chemistry Lab. (I) ~ (II) 	<ul style="list-style-type: none"> ◆ Engineering Mathematics (I) ~ (II) ◆ Programming Language ◆ Engineering Dynamics ◆ Engineering Materials ◆ Mechanics of Materials ◆ Thermodynamics ◆ Mechanical Lab (I)-Materials and Manufacturing ◆ Mechanisms and Dynamics of Machinery ◆ Applied Electronics 	<ul style="list-style-type: none"> ◆ Fluid Mechanics ◆ Automation Control (I) ◆ Mechanical Design ◆ Manufacturing Processes ◆ Mechanical Lab (II): Electronics and Automatic Control Fields ◆ Heat Transfer ◆ Mechanical Lab (III) – Thermal and Fluid Science 	<ul style="list-style-type: none"> ◆ Special Topics on Mechanical Engineering (I) ~ (II)
Civil and Construction Engineering	<ul style="list-style-type: none"> ◆ Introduction to Engineering and Engineering Ethics ◆ Basics of Mathematics (I) <p>* Other courses:</p> <ul style="list-style-type: none"> ◆ Materials Science (I) ~ (II) (Chemical & Materials Science) ◆ Graphics (Mechanical) ◆ Statics (Mechanical & Civil and Construction) 	<ul style="list-style-type: none"> ◆ Engineering Mathematics (I) ~ (II) ◆ Programming Language ◆ Engineering Dynamics ◆ Engineering Materials ◆ Mechanics of Materials ◆ Structural Analysis ◆ Soil Mechanics ◆ Quality Control of Concrete ◆ Fluid Mechanics (Elective) ◆ Engineering Geology (Elective) 	<ul style="list-style-type: none"> ◆ Reinforced Concrete Design ◆ Structural Steel Design ◆ Project Management ◆ Foundation Engineering ◆ Project Planning and Control ◆ Soil Mechanics Test ◆ Material and Structural Test 	<ul style="list-style-type: none"> ◆ Special Topics on Civil and Construction Engineering (I) ~ (II)
Chemical Engineering	<ul style="list-style-type: none"> ◆ Statics (Mechanical & Civil and Construction) 	<ul style="list-style-type: none"> ◆ Engineering Mathematics (I) ~ (II) ◆ Programming Language ◆ Physical Chemistry (I) ~ (II) ◆ Organic Chemistry (I) ~ (II) ◆ Material and Energy Balances ◆ Unit Operation and Transport Phenomena (I) 	<ul style="list-style-type: none"> ◆ Instrumental Analysis ◆ Chemical Engineering Thermodynamics ◆ Unit Operation and Transport Phenomena (II) ~ (III) ◆ Chemical Technology Lab. (I) ~ (II) ◆ Chemical Reaction Engineering ◆ Process Control ◆ Polymer Chemistry (Elective) 	<ul style="list-style-type: none"> ◆ Special Topics on Chemical Engineering (I) ~ (II) ◆ Chemical Engineering Lab (I) ~ (II) ◆ Process Design
Materials Science Engineering		<ul style="list-style-type: none"> ◆ Engineering Mathematics (I) ~ (II) ◆ Programming Language ◆ Organic Chemistry (I) ~ (II) ◆ Thermodynamics of Materials ◆ Materials Science and Engineering Laboratory (I) ◆ Mechanics of Materials ◆ Introduction to Polymer Systems ◆ Kinetics and Phase Transformation of Materials 	<ul style="list-style-type: none"> ◆ Physical Properties of Materials ◆ Introduction to X-ray Crystallography and Diffraction ◆ Materials Science and Engineering Laboratory (II) ~ (III) ◆ Characterization of Materials ◆ Physics of Semiconductor Materials ◆ Polymer Chemistry (Elective) 	<ul style="list-style-type: none"> ◆ Special Topics on Materials Science and Engineering (I) ~ (II)

Admission

1 Admission Qualifications

Completion of High School (Secondary School)

2 Application Date

Online Application Opens:

Nov 1, 2022 to around the end of March, 2023

Result Notification:

Students who apply before the end of December 2022 will be notified the result in January 2023. Others will get the results around May 2023.

Semester begins:

September, 2023

3 Required Documents

Prepare documents to upload

1. High School Diploma or Certificate of Study in English or Chinese
2. Official High School Transcripts in English or Chinese. Current high school students may submit an interim high school transcript.
3. Language Proficiency Test Certificate (TOEFL ITP or iBT, TOEIC, IELTS)
4. One Recommendation Letter
5. CV (Personal Statement)

4 Application Fee

Application fee: 30 USD

Application website:



Connect With Us

Official website



Facebook fan page

(If you have any questions, you can also DM us on fan page!)



English



Bahasa



Vietnamese



Thai

Contact information

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