The future begins today

We believe that today’s dreams are the blueprints for tomorrow.

At NTU College of Engineering, we provide the resources and environment for students and faculty to stretch the boundary of possibilities and reach their full potential. Here, you will gain the knowledge and real-world skills to engineer tomorrow’s world-changing innovations.

What will you create?

Vision
A great global engineering college for education, research and innovation.

Mission
To nurture creative and entrepreneurial leaders through broad-based, research-infused engineering education, advance knowledge and create innovative and sustainable solutions for the benefit of industry and society.
Envision a brighter tomorrow

Take a look around and you will see an engineer’s handiwork. From the anti-bacterial coating on your contact lenses to the touch-sensitive display on your mobile phone, engineers play a key role in translating concepts to everyday objects we take for granted. At NTU College of Engineering, we create a new generation of engineers to lead the industry to bring a brighter tomorrow. With a strong emphasis on research and innovation, students will hone their analytical and creative abilities to overcome the challenges of today’s competitive world.

About NTU College of Engineering

NTU College of Engineering encompasses six internationally known engineering schools that offer an unparalleled learning experience through a multi-disciplinary curriculum. Students will acquire valuable people skills in communication and management alongside technical competencies.

With research output ranked amongst the top 3* in the world, the College of Engineering is a recognised leader in innovation and technology creation. Our industry-relevant programmes, world-class research facilities, strong links with industry giants and collaborations with renowned engineering colleges around the world ensure that we give a well-rounded education that goes beyond traditional academic boundaries – putting our graduates one step ahead in global career mobility.


Real world education

At NTU College of Engineering, we advocate learning beyond the classroom. By adopting a multi-disciplinary approach to education, our programmes are structured to inculcate the analytical, problem-solving and entrepreneurial skills necessary to take on tomorrow’s challenges.

With a focus on industry-relevant curriculum, students are empowered to formulate and manage complex projects to tackle the problems of the real world. This way, students acquire actual engineering experiences and a better understanding of classroom theories. Through the links fostered with our industry partners, students leverage on our robust industrial attachment programmes to gain an added advantage in experiential learning. Also available are opportunities for overseas industrial attachments, or even internships at our world-class research centres. Students will cultivate first-hand the competencies of an engineer and be exposed to applications of sound work ethics and professionalism, preparing them for the big leap into the world.

The global advantage

With our extensive strategic links with partner institutions and organisations across the world, NTU’s Global Immersion and International Student Exchange programmes offer the prospect of cross cultural exchange and discovery abroad. With choices that range from two-week summer exchanges to semester-long internship programmes, students can expect refreshed global perspectives and connections that will broaden and enrich their educational experience.

Putting it to the test

NTU College of Engineering is home to two world-class research centres that offer students the opportunity to engage in advanced research in the areas of sustainable energy and the environment – the Energy Research Institute @ NTU (ERI@N) and Nanyang Environment and Water Research Institute (NEWRI).

Our resident energy research centre, ERI@N focuses on sustainable energy and provides a unique inter-disciplinary platform where students from different disciplines come together to tackle the issue of energy conversion without damage to the environment.

Translating research in cutting-edge environmental and water technologies into relevant applications, NEWRI gives students an in-depth exposure to research and development activities in the Environment and Water Technology landscape.

For students inclined towards research, NTU’s Undergraduate Research Experience on Campus (URECA) programme is a unique opportunity to experience research at an unprecedented level. URECA cultivates a vibrant research culture amongst the most able undergraduates and enables them to gain an appreciation of the rigour and challenges of research.
Alumni and Student Experiences

Lim Hui Yin
Undergraduate, Year 3, Bachelor of Engineering in Electrical and Electronic Engineering
Singapore Polytechnic (SP) Alumnus

Achievements:
- College Scholarship Recipient
- Lee Kuan Yew Award for Mathematics and Science (SP)
- European Aeronautic Defence and Space Gold Medal (SP)

NTU’s state-of-the-art facilities provide a conducive environment for undergraduates like me to build on our knowledge and hands-on skills in engineering.

NTU College of Engineering is not just a place to prepare undergraduates for the engineering industry, but its all-rounded and holistic education such as internship attachments, wide variety of elective modules and overseas exchange programmes also provide undergraduates with greater versatility across all sectors of the job market, especially within the engineering sector.

Rachael Pung Hui Riong
Undergraduate, Year 2, Bachelor of Engineering in Environmental Engineering
Temasek Junior College Alumnus

Achievements:
- Dean’s List (Academic Years 2012 – 2013)
- Nanyang Scholarship Recipient
- Temasek Junior College Academic Scholar (2010 and 2011)

The international exchange days at Georgia Tech left the deepest impression on me. It was especially helpful in preparing me for work in a multi-national company where I collaborate closely with international colleagues.

NTU School of Civil and Environmental Engineering has a mentoring system which helps to foster stronger relationships between the professors and students. The sincerity and the approachability that I experienced with my faculty mentors here made me choose NTU ultimately.

Lim Zhen Long, 24
Alumnus, Class of 2013, Bachelor of Engineering in Chemical and Biomolecular Engineering
Product Supply Associate Manager, Procter & Gamble (P&G)

Achievements:
- Dean’s List (Academic Years 2011 – 2012)
- Valedictorian (Class of 2013)
- Shell Technical Case Challenge 2012 (First Prize)

NTU provides every student with equal opportunities to develop and grow. I entered School of Chemical and Biomedical Engineering with no stellar track record but opportunities were still available as long as I worked hard and kept searching for new growth opportunities. I am thankful that I left NTU College of Engineering with a string of accolades and most importantly, a highly sought after job with Procter & Gamble.
Achievements:
- Dean’s list (Academic Years 2009 – 2010)
- Valedictorian Nominee
- Taekwondo Open Championship 2011 – Bronze Medallist (Featherweight)

The engineering programme offered by NTU will prepare you well for the real world by equipping you with the necessary analytical, problem-solving, and the all-important “getting things done” skill. The focus of the programme is to develop skillful professionals who adapt quickly to the varied working landscape shaped by today’s fast-moving technology.

Grace Tong Jing Ying
Undergraduate, Year 2,
Bachelor of Engineering in Aerospace Engineering
River Valley High School Alumnus

Achievements:
- Dean’s List (Academic Years 2012 – 2013)
- Civil Aviation Authority of Singapore (CAAS) Youth Aviation Ambassador (2013)

I chose NTU College of Engineering because of its proven track record in grooming versatile engineers adept at different fields.

The experience at NTU has been professional and rigorous, and conducted in a warm and friendly ambience. The professors show an unparalleled level of concern for the students’ academic pursuit. NTU’s engineering also provides me with numerous opportunities to undertake research projects related to my interests. As part of the URECA initiative, I was able to pursue research at a higher level.

Ang Jin Yan, 25
Alumnus, Class of 2013,
Bachelor of Engineering in Materials Engineering
Management Associate (Supply Chain), Unilever

Achievements:
- Offered 3 jobs upon graduation
- Global champion team for 2013 Unilever Future Leaders League
- Conferred NTU President Research Scholar in 2011
- Dean’s List (Academic Years 2010 – 2011)

NTU College of Engineering’s broad-based education provides me with a strong foundation in engineering fundamentals, and the exposure to other inter-disciplinary courses equipped me with the skills and abilities to excel in my career. NTU offers a truly holistic education through its complementary innovative approach towards learning and global exchange programmes.
## Minimum Subject Requirements for Admissions

### Bachelor of Engineering (B.Eng) Programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration (Years)</th>
<th>NCE O Level</th>
<th>International Admissions</th>
<th>RSU High School Diploma</th>
<th>International and Other Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Information Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Mechatronics Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Materials Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Chemical/Biomedical Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
</tbody>
</table>

### Double Degree Programmes

- Bachelor of Engineering (Computer Engineering) and Bachelor of Arts (Honours) in Economics
- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Computer Science)
- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Computer Science) (Applicable to all single Engineering degree programmes)

### Bachelor of Engineering (B.Eng) with Business Minor

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration (Years)</th>
<th>NCE O Level</th>
<th>International Admissions</th>
<th>RSU High School Diploma</th>
<th>International and Other Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Engineering (B.Eng) with Business Minor</td>
<td>4</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>- Pass in H1 Level Mathematics, and</td>
<td>Higher CAP of 2.0 in Mathematics,</td>
<td>- Pass in Senior High School Diploma/Higher Diploma in Engineering/Computer Science/Chemical and Biomolecular Engineering/Computer Engineering/Chemical and Biomolecular Engineering</td>
</tr>
</tbody>
</table>

### Intercalated Degree Programmes

- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology)
- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology) (Applicable to all single Engineering degree programmes)

### Undergraduate Intercalated Programmes

- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology)
- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology) (Applicable to all single Engineering degree programmes)

### Notes

1. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.
2. Applicants with only a H1 Level/’O’ Level Mathematics in Mathematics (MA1001) instead of Higher Level Mathematics (MA1002) are eligible for this programme.
3. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.

### International Students

International students who have completed at least 12 years of general education, or will be taking Year 1 second semester of the programme in 2014, will be required to meet the same academic standards as local students. For further details, please refer to: http://admissions.ntu.edu.sg/UndergraduateIntnlAdmissions/Pages/InternationalOthers.aspx

### Diplomas

All diplomas are awarded in Singapore. For the list of acceptable local diplomas, please refer to: http://admissions.ntu.edu.sg/UndergraduateIntnlAdmissions/Pages/Diploma.aspx

### Double Degree Programme

Applicants applying to double degree programmes should complete the relevant Intercalated Bachelor in Business Minor and a Second Major in any Engineering discipline.

### Other Programmes

Please refer to the minimum subject requirements for the single degrees Engineering programmes stated above.

### International Students

Applicants who have completed at least 12 years of general education will be required to meet the same academic standards as local students. For further details, please refer to: http://admissions.ntu.edu.sg/UndergraduateIntnlAdmissions/Pages/InternationalOthers.aspx

### Notes

1. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.
2. Applicants with only a H1 Level/’O’ Level Mathematics in Mathematics (MA1001) instead of Higher Level Mathematics (MA1002) are eligible for this programme.
3. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.

### Intercalated Degree Programmes

- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology)
- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology) (Applicable to all single Engineering degree programmes)

### Undergraduate Intercalated Programmes

- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology)
- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (Information Technology) (Applicable to all single Engineering degree programmes)

### Notes

1. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.
2. Applicants with only a H1 Level/’O’ Level Mathematics in Mathematics (MA1001) instead of Higher Level Mathematics (MA1002) are eligible for this programme.
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### International Students

Applicants who have completed at least 12 years of general education will be required to meet the same academic standards as local students. For further details, please refer to: http://admissions.ntu.edu.sg/UndergraduateIntnlAdmissions/Pages/InternationalOthers.aspx

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### Notes

1. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.
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3. Applicants with only a H1 Level/’O’ Level Physics in Physics (PH1011) instead of Higher Level Physics (PH1012) are eligible for this programme.
The chemical and biomedical engineering industries have been experiencing a healthy growth both locally and globally. Highly trained and capable engineers in the relevant areas are valued in these stimulating fields. The School of Chemical and Biomedical Engineering (SCBE) was established to fulfill this burgeoning demand.

At the School of Chemical and Biomedical Engineering, two direct honours degree programmes are offered in Chemical and Biomolecular Engineering (CBE), and Bioengineering (BIE) to train a new generation of engineers through a curriculum that integrates the principles of engineering with fundamentals of life and chemical sciences.

did you know?

Young and research-intensive, NTU was ranked 2nd in the 2013 QS Top 50 Universities under the age of 50 and 34th in the 2013 QS World University Rankings for Chemical Engineering.
As a civil/environmental engineer, you build the world's infrastructure. You erect structures, both modest and magnificent, bring fresh water to the masses, dispose or recycle the waste they generate, and move people and goods safely and efficiently from one location to another. In the new millennium, civil and environmental engineers will be challenged to find the best solutions to the most pressing problems of society in an environmentally sustainable manner.

The vision of the School of Civil and Environmental Engineering (CEE) is to be a leading school for a sustainable built environment. Nurtured by the School of CEE, you will be at the forefront of tomorrow's civil and environmental engineering standards. Three degree programmes are offered by the School of CEE. Two of them provide a comprehensive and broad-based Civil and Environmental Engineering education that emphasise critical thinking and communication skills, preparing you for successful engineering practice, advanced studies, professional responsibility and life-long learning. The research you conduct will contribute to both the civil and environmental engineering industries and society by advancing the profession and improving the quality of life. The third on Maritime Studies will contribute to both the civil and environmental engineering industries and society by advancing the profession and improving the quality of life. The research you conduct will contribute to both the civil and environmental engineering industries and society by advancing the profession and improving the quality of life. The research you conduct will contribute to both the civil and environmental engineering industries and society by advancing the profession and improving the quality of life.

Do you know?

NTU’s Civil Engineering was ranked 1st in Singapore and 8th in the world, according to the 2013 QS World University Rankings by Subject.

Did you know?

"Making the world a better place.”

Anonymous

"Without shipping, half the world would starve and the other half would freeze.”

Anonymous
Imagine wiring every corner of the world, or putting extraordinary technology in the hands of every human being. What is remarkable is that there is probably a computer engineer or computer scientist working on such a dream somewhere. The School of Computer Engineering (SCE) recognises this and aims to provide excellent educational opportunities to produce computer engineers and computer scientists to meet the demands of a technology-driven world.

At the School of Computer Engineering (SCE), we believe in being trailblazers in computer engineering and we invite like-minded students to break new ground and set new trails with us. We have created an environment furnished with state-of-the-art equipment to support and complement our programmes.

Students can choose from our Computer Engineering or Computer Science direct honours degree undergraduate programmes, integrated Master’s degree programme, double major and double degree programmes offered by the School. Special emphasis is given to projects and group work so that students gain hands-on experience throughout their programme. At the end of the day, our students graduate with in-depth theoretical knowledge and extensive experience.

Degree Programme in Computer Engineering

This programme is a distinctive fusion of computer engineering and electronics engineering. Students are trained in electronics engineering, software design and hardware-software integration. Areas of specialisation include Digital Media, Embedded Systems, High Performance Computing, and Networking and Mobility.

Graduates of Computer Engineering are highly valued and sought after in the IT industry for their broad knowledge of programming and electronics, coupled with the specialist skills in software and hardware interfacing.

Did you know?

**“Engineering is the professional art of applying science to the optimum conversion of natural resources to the benefit of man.”**

Ralph J. Smith

**NTU-Georgia Tech Bachelor of Engineering (Computer Engineering or Computer Science) and Master of Science (Computer Science) Integrated Programme**

Supported by the Infocomm Development Authority of Singapore (IDA), Nanyang Technological University (NTU) and the Georgia Institute of Technology (Georgia Tech), the programme will graduate with both degrees, which can be achieved within 4.5 years. Students enrolled in this programme will graduate with both degrees, which can be achieved within 4.5 years.

**INDUSTRY / CAREER**

- Data Mining and Database Management
- Software Design
- IT Security
- IT Management
- Business Process Outsourcing
- Robotic Engineering
- Network Management
- Telecommunications
- Business Process Outsourcing

**AREAS OF SPECIALISATION**

- Digital Media
- Embedded Systems
- High Performance Computing
- Networking and Mobility

**Computer Science and Economics**

- Computer Science and Business Administration
- Computer Science and Economics
- Computer Science and Business
- Computer Science and Business
- Computer Science and Business
- Computer Science and Business

**Computer Science**

- Computer Science
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- Computer Science

**Computer Engineering**

- Computer Engineering
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- Computer Engineering

**Double Degree Programmes**

- Computer Engineering and Economics
- Computer Science and Economics
- Computer Engineering and Business
- Computer Science and Business
- Computer Science and Business
- Computer Science and Business

**Double Major Programmes**

- Computer Science with a Second Major in Business
- Computer Science with a Second Major in Business
- Computer Science with a Second Major in Business
- Computer Science with a Second Major in Business

**In collaboration with the Nanyang Business School**

**INDUSTRY / CAREER**

- Data Mining and Database Management
- Software Design
- IT Security
- Enterprise Network Management
- Data Structures
- Effective Communication
- Engineers and Society
- Green Computing
- HRM and Entrepreneurship
- Professional Communication

**AREAS OF SPECIALISATION**

- Digital Media
- Embedded Systems
- High Performance Computing
- Networking and Mobility

- Computer Science
- Embedded Systems
- High Performance Computing
- Networking and Mobility

- Computer Engineering
- Computer Science
- Computer Engineering
- Computer Science
- Computer Engineering
- Computer Science

- IT Management
- Consultancy and Solutions
- Sales and Marketing
- Telecommunications
- Education and Training
- Business Process Outsourcing

- Computer Organisation and Architecture
- Effective Communication
- Engineers and Society
- Green Computing
- HRM and Entrepreneurship
- Professional Communication

- Engineering is the professional art of applying science to the optimum conversion of natural resources to the benefit of man.

Ralph J. Smith

**Did you know?**

**Degree Programme in Computer Science**

This programme offers a more focused study of the theoretical foundations of information and computation, as well as practical techniques for their implementation and application in large scale software systems. Computer Science shares some common topics with Computer Engineering, including computer networks, information storage and management.

There is an emphasis placed on the algorithmic and conceptual levels. Computer Science focuses more on software design and construction, and does not include subjects on circuits, basic electronics, or digital communications.

Areas of specialisation include Digital Media, High Performance Computing, Information Systems and Intelligent Systems.

**INDUSTRY / CAREER**

- Software Design
- Data Mining and Database Management
- IT Security
- Financial and Banking Services
- Data Mining and Database Management
- Software Design
- ROBotic Engineering
- IT Management
- Consultancy and Solutions
- Sales and Marketing
- Telecommunications
- Education and Training
- Business Process Outsourcing

**AREAS OF SPECIALISATION**

- Digital Media
- Embedded Systems
- High Performance Computing
- Information Systems
- Intelligent Systems
- Networking and Mobility

- Computer Science
- Embedded Systems
- High Performance Computing
- Networking and Mobility

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- Computer Science
- Computer Engineering
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- Professional Communication

- Engineering is the professional art of applying science to the optimum conversion of natural resources to the benefit of man.

Ralph J. Smith

**Did you know?**

**Integrated Master’s degree programme, double major and double degree programmes**

Students enrolled in this programme will graduate with both degrees, which can be achieved within 4.5 years.

**AREAS OF SPECIALISATION**

- Digital Media
- Embedded Systems
- High Performance Computing
- Networking and Mobility

- Computer Science
- Embedded Systems
- High Performance Computing
- Networking and Mobility

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- Engineering is the professional art of applying science to the optimum conversion of natural resources to the benefit of man.

Ralph J. Smith

**Did you know?**

**Pioneering Smarter Technology**

School of Computer Engineering (SCE)

SCE President Research Scholar Zhang Li received the 2012 IT Youth Award for his contribution in promoting social media in the local Infocomm industry. Students can look forward to a surge in demand for quality graduates.

M2

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SCE President Research Scholar Zhang Li received the 2012 IT Youth Award for his contribution in promoting social media in the local Infocomm industry. Students can look forward to a surge in demand for quality graduates.
It is without a doubt that technology evolves so quickly in today’s world that there is a need for a new generation of engineers who would challenge boundaries and limits. The School of Electrical and Electronic Engineering (EEE) offers you the opportunity to explore the infinite possibilities and empower tomorrow’s technologies. So if you’re looking to change the world and rise to the new electronic evolution, there’s no better place to start.

Trained in a broad-based discipline that has relevance across various industries, electronic and electrical engineers are well-positioned to solve crucial engineering issues and to improve the living conditions of the modern world.

One of the founding schools of NTU, the School of Electrical and Electronic Engineering (EEE) is presently one of the largest EEE schools in the world with an undergraduate enrolment of over 3,000 students. Consistently ranked among the top world universities in electrical and electronic engineering, the EEE programme strives a balance in providing a multifaceted curriculum compassing major areas in electrical and electronic engineering and cross-disciplinary courses in arts, business and humanities.

The School of EEE offers two direct honours degree programmes – Electrical and Electronic Engineering (EEE) and Information Engineering and Media (IEM) and an Integrated Master’s degree programme.

Did you know?

Young and research-intensive, NTU was ranked 2nd in 2019 QS Top 50 Universities under the age of 50. School of EEE was ranked 3rd in Asia and 14th in the world, according to 2013 QS World University Rankings by Subject.
Any problem can be solved using the materials in the room. Edwin Herbert Land

We have long foreseen the demand for materials engineers. With careful planning, the school of MSE has grown to become one of the world's most comprehensive and largest materials engineering institutions with close to 1,000 undergraduate students and 360 research students in training at any one time.

We have an excellent history of turning innovative ideas into commercial successes. Many of our research efforts have received international recognition and attracted multi-million dollar grants from local and overseas organisations. To encourage innovation amongst our undergraduate and graduate students, the MSE Ian Ferguson Innovation Challenge is held annually to spur innovative thinking and prototype development.
Since the invention of the wheel, man has been looking to go faster, further and higher. We have come a long way since Henry Ford gave us the first mass-produced motor vehicle and the Wright Brothers showed us what it means to take flight. None of which would be possible without mechanical and aerospace engineers. The School of Mechanical and Aerospace Engineering (MAE) will arm you with the knowledge and resources to spark the next evolution in mechanical and aerospace technology. Where will you take us tomorrow?

The technology landscape is changing rapidly as we position our resources to spark the next evolution in mechanical and aerospace technology. Where will you take us tomorrow?

Did you know?

First to offer an Aerospace degree in Singapore. The programme received full accreditation from the Engineering Accreditation Board, through the Institute of Engineers, Singapore (IES) in 2011.

The fastest-rising Asian university among the world’s top 50 universities, NTU’s School of MAE was ranked 11th in the world, according to 2013 QS World University Rankings by Subject.

Students from the School of Mechanical and Aerospace Engineering will work on projects that include solar powered vehicles and unmanned aerial vehicles; robots and intelligent systems for new generation manufacturing; biomedical sensors, actuators and other life-saving systems; micro- electromechanical systems; information storage systems; microprocessor driven consumer products and energy systems. Not only will our students gain knowledge, they will also get to put it to action and solve real world problems!

Additionally, students undergo a 20-week industrial attachment programme with prestigious companies such as Rolls-Royce International; that not only provides crucial work exposure but also instills in them the right work attitudes and professionalism to become effective and productive professionals in their future careers.

The School of MAE offers two degree programmes; Mechanical Engineering and Aerospace Engineering. The programme received full accreditation from the Engineering Accreditation Board, through the Institute of Engineers, Singapore (IES) in 2011.

The fastest-rising Asian university among the world’s top 50 universities, NTU’s School of MAE was ranked 11th in the world, according to 2013 QS World University Rankings by Subject.