

SCHOOL OF ENGINEERING



EMBRACE INNOVATION

Just think about it – who gave us electricity, cars, planes, computers, mobile phones and the Internet? These inventions have dramatically changed the way we live and work, and the brains behind them are none other than engineers, the architects of the future!

Engineers are so central to the progress of society that they are always in great demand. Come join our School of Engineering (SEG), and you too can look forward to exciting careers and further study opportunities. At SEG, you will receive a well-balanced engineering education, and benefit from our excellent industry partnerships.

Why Engineering?

- Engineering empowers you to translate the knowledge of science and technology into ideas for new products to make the world better, faster or smarter.
- Engineering professionals enjoy attractive starting salaries and diverse career choices, ranging from management to R&D.
- With our engineering diplomas well-recognised by reputable local and overseas universities, you can build a firm foundation in engineering that will open doors for you to exciting career possibilities and further studies.

Why SEG?

- Our graduates excel wherever they go; some are forging careers with MNCs, with high starting salaries, while others start their own businesses.
- Many of our graduates further their studies in reputed local and overseas universities; many are scholars of major corporations and government agencies.
- Our innovation-based curriculum, state-of-the-art facilities and excellent industry exposure provide an enriching learning experience for you to achieve a well-balanced and highly relevant engineering education.
- Our strong industry links ensure that our courses are relevant to the needs of industry.
- We are a leader in science and engineering R&D, with many innovations that contribute to the engineering field. You will benefit from this exciting intellectual environment.
- Every year, our students excel in local and international competitions, like the Microsoft Imagine Cup, Singapore Android Developer Challenge, Code:XtremeApps, Tan Kah Kee Young Inventors' Award, Singapore Robotic Games, WorldSkills Competition and the FIRA RoboWorld Cup.

Industry-linked

Our strong industry ties will enable you to learn in a holistic environment, using the latest technologies and up-to-date curriculum. We are proud of our strong and intensive partnerships with leading technology companies, including Microsoft, Siemens, DSO National Laboratories, Festo Pte Ltd and Hewlett-Packard. We are also the only institution to host various centres supporting enterprises in Singapore, including:

- The Centre of Innovation for Electronics with SPRING Singapore
- The MedTech Concept@NYP, a biomedical hub for collaboration among biomedical companies
- Industry Communities@NYP, comprising the IC Community, Wireless Community, Embedded Systems Community and Security Technology Community, supported by EDB
- The Centre for Digital & Precision Engineering, jointly funded by EDB

Minimum Entry Requirements

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|---|-------------|
| a) English Language | Grade 1 - 7 |
| b) Elementary or Additional Mathematics | Grade 1 - 6 |
| c) A relevant Science subject | Grade 1 - 6 |

Enquiry Hotlines

Please contact us at **6550 0509/0511/0512** for enquiries on the following diplomas:

- Aeronautical & Aerospace Technology
- Biomedical Engineering
- Digital & Precision Engineering
- Manufacturing Engineering
- Mechatronics Engineering
- Nanotechnology & Materials Science

Please call **6550 0836/0400** for enquiries on the following diplomas:

- Aerospace Systems & Management
- Electrical Engineering with Eco-Design
- Electronics, Computer & Communications Engineering
- Multimedia & Infocomm Technology
- Telematics & Media Technology

You can also visit www.nyp.edu.sg/seg for more information.

JAE CODE:
C88

DIPLOMA IN MANUFACTURING ENGINEERING

Let your imagination come to life with NYP's Diploma in Manufacturing Engineering! In this course, you will learn to design and build your own products, prototypes and robots. The possibilities are only limited by the extent of your ideas.

This course is structured to balance academic work and exposure to industry practices. You'll gain strong engineering fundamentals and be trained to transform creative ideas into practical products.

This fits me to a T!

This is the course for you, if you're:

- Naturally inquisitive
- Interested in discovering how machines are designed
- Interested in marketing products

What will I learn?

- The design, processes, automation, IT and other technologies that go into making products like handphones, printers or iPods
- Interesting electives like Aerospace Manufacturing, Product Engineering, Automation Systems Design or Manufacturing Software

I want a great career!

Look forward to exciting careers as:

- Manufacturing Engineers
- Aerospace Engineers
- Product Engineers
- Quality Assurance Engineers
- Software Engineers

Uni, here I come!

Further your studies at reputable local and overseas universities, including:

Singapore

- National University of Singapore
- Nanyang Technological University

Europe

- University of Birmingham
- Loughborough University

Australia

- University of New South Wales

United States

- Purdue University

"In my course, I was exposed to many different aspects of Manufacturing Engineering, including design, automation, software and the field of aerospace manufacturing. The knowledge and skills I have gained have prepared me well for this competitive industry and further studies. I am glad that I studied in NYP as I discovered my potential and became more confident in handling the tasks I set my heart on accomplishing."

Susanti Tay

Diploma in Manufacturing Engineering
Class of 2010

Undergraduate
Bachelor in Computer Science
Nanyang Technological University

