

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

- | | |
|---|-------------|
| 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:

C52

DIPLOMA IN

AEROSPACE SYSTEMS & MANAGEMENT

Singapore, with its award-winning Changi Airport and the upcoming world-class Seletar Aerospace Park, has a promising high-growth aerospace industry offering many exciting career choices. NYP's Diploma in Aerospace Systems & Management is your passport to this dynamic industry. This course grooms you to become an aerospace professional with highly valued expertise in aerospace avionics systems development with critical knowledge of aviation management and services.

With this diploma, you will be well-positioned to take on management roles in a wide spectrum of aviation activities, become a Licensed Aircraft Engineer or tap into R&D opportunities in the aerospace industry.

This fits me to a T!

This is the course for you, if you:

- Are excited about aircrafts and systems
- Want a high-flying career in the exciting aerospace and aviation industries
- Aspire to pursue the Aircraft Maintenance Licence (Avionics) issued by the Civil Aviation Authority of Singapore
- Aim to pursue further studies at reputable universities, either locally or overseas

What will I learn?

- Strong avionics fundamentals and knowledge of state-of-the-art aerospace systems
- Management and operation of world-class aviation services, airports and facilities
- Technical and analytical skills through projects and attachments to key aerospace companies
- International exposure and experience through our Overseas Industrial Attachment and Overseas Immersion programmes

I want a great career!

You can look forward to exciting careers as aerospace professionals and managers in the many aerospace industry sectors, such as:

- Aviation Services & Management
- Avionics Systems Development
- Aerospace Maintenance, Repair & Overhaul (MRO)
- Avionics Manufacturing
- Aircraft Navigation, Communication & Instrumentation
- Fleet Management
- Logistics Management

Uni, here I come!

This diploma is your ticket to further education in local and overseas universities, including:

Singapore

- National University of Singapore
- Nanyang Technological University
- SIM University

Australia

- Queensland University of Technology
- University of New South Wales

Europe

- Imperial College London

"With Singapore's vision to develop into a global aviation hub, the Singapore aerospace industry has been growing strongly over the years and is set to grow even further.

Nanyang Polytechnic's Diploma in Aerospace Systems & Management prepares graduates for exciting careers in aerospace system development & integration, and aviation support services & management."

Dr Aloysius Tay

Chief Executive
Association of Aerospace
Industries (Singapore)

