

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:
C75

DIPLOMA IN **MULTIMEDIA & INFOCOMM TECHNOLOGY**

From Facebook, YouTube and Twitter to iPhone, iPad, Kinect and Wii. Cool and innovative solutions are being designed and created everyday through software, media and communications technologies.

NYP's multi-disciplinary Multimedia & Infocomm Technology course will groom you to become a versatile new generation infocomm and media professional. You will have the skills to design creative and media-rich applications, manage infocomm services, connect people with all kinds of communications and networking platforms, or discover new applications of the Internet, just to name a few.

To further boost your professional standing, this diploma-plus course enables you to pursue additional internationally recognised professional certifications issued by Cisco Systems and Microsoft, among others.

This fits me to a T!

This is the course for you, if you:

- Have passion and interest in design, technology and management
- Aspire for a successful career in high-growth industries that leverage Infocomm and Interactive Media
- Dream of starting your own business in media design, software development, infocomm services, and more
- Aim to pursue further studies, with a wide range of courses open to you, in reputable local and foreign universities

What will I learn?

Designed with alignment to the National Infocomm Competency Framework set out by the Infocomm Development Authority of Singapore (IDA), this course provides students with specialised skills and expertise in:

- Infocomm Software Solutions
- Communications and Networks
- Interactive Media
- IT Service Management

Plus, you get to work on state-of-the-art projects in an innovation-driven environment enriched with partnerships with industry leaders like Microsoft, Hewlett-Packard, Cisco Systems and Symantec. You will also gain valuable 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:

- New Media Specialists
- 3D Designers/Animators
- Mobile Infotainment Developers

- Software Architects/Developers
- Infocomm Solutions Architects/Integrators
- Infocomm Systems Managers
- ICT Services Managers
- Network & Communications Specialists
- Entrepreneurs

Uni, here I come!

Enjoy advanced standing when you pursue further studies at reputable local and foreign universities, including:

Singapore

- National University of Singapore
- Nanyang Technological University
- Singapore Management University

Australia

- University of New South Wales

Europe

- Imperial College London

"NYP developed me to become an all-rounder, equipping me with both technical and people skills that are relevant for my future. Project assignments allowed me to apply learning in practice, and creatively transform ideas into useful solutions. My lecturers made learning enjoyable, and peer encouragement constantly motivated me to strive for the best.

Doing my final-year project at the Beijing IT College and volunteering in the Singapore Youth Olympic Games were just some of the memorable experiences that enriched my learning journey here. In NYP, we can all create little success stories in each of our own leagues!"

Oh Long Yuan

Diploma in Multimedia & Infocomm Technology
Class of 2011
Lee Kuan Yew Award Winner
Microsoft Gold Medallist

Long Yuan will be pursuing a Bachelor in Computing at the National University of Singapore after National Service.

