

SP | SCHOOL OF
ELECTRICAL &
ELECTRONIC ENGINEERING

SP | SCHOOL OF
MECHANICAL &
AERONAUTICAL ENGINEERING

Inventing ^{The}
Future

- Aeronautical Engineering (S88)
- Aerospace Electronics (S90)
- Bioengineering (S58)
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ENGINEERING

The word 'ENGINEERING' is rendered in a large, bold, blue serif font. The letters 'E', 'N', 'G', and 'I' are significantly larger than the others. The letter 'E' has a white circuit board pattern on its left vertical stem. The letter 'N' has a white circuit board pattern on its right vertical stem. The letter 'G' has a white gear icon on its top curve. The letter 'I' has a white gear icon on its top curve. The letter 'R' has a white circuit board pattern on its right vertical stem. The letter 'E' at the end has a white gear icon on its top curve. The letter 'E' at the end has a white gear icon on its top curve.

Inventing^{The} Future

Engineers are responsible for the technologies that improve our lives in many ways. This is one profession where creativity and ingenuity know no limits, bringing a sense of satisfaction and pride. If you are looking for challenges, then engineering is for you.



Why ENGINEERING@SP?

SP has a comprehensive range of engineering courses for young people with interests spanning from aircraft to clean energy and from product design to computers. We place a strong emphasis on creativity, project management, team work and hands-on engineering experiences. As a student, you will go through the CDIO (Conceive – Design – Implement – Operate) and Design Thinking Processes. By the time you graduate, you will be able to conceive innovative solutions based on real user needs.

SP has an illustrious engineering history with many distinguished alumni in the engineering and business sectors. We are the first to offer engineering courses in Singapore. We benchmark with the best in engineering education by collaborating with reputable institutions such as the Rotman School of Management and the Olin College of Engineering. We spare no effort in re-structuring our training to deliver the latest in engineering practice with state-of-the-art facilities.

SP Engineering Scholarship

SP is the first polytechnic to launch a scholarship for engineering students. As a scholar, you will be identified for research and development attachments locally or overseas and attend engineering conferences and activities to keep abreast of developments in related fields.

Diploma Plus Programmes

You can opt for a university-preparatory or career-oriented Diploma Plus Programme to gain a competitive edge. Courses offered under this programme include:

- Applied Psychology
- Business
- Computer Networking
- Design Thinking
- Digital Media Creation
- Enterprise Linux Administration
- Humanitarian Affairs
- Software Programming & Applications
- Sustainability
- Theatre Performance and Production

For more information, visit www.sp.edu.sg and check out the Diploma Plus Guide.

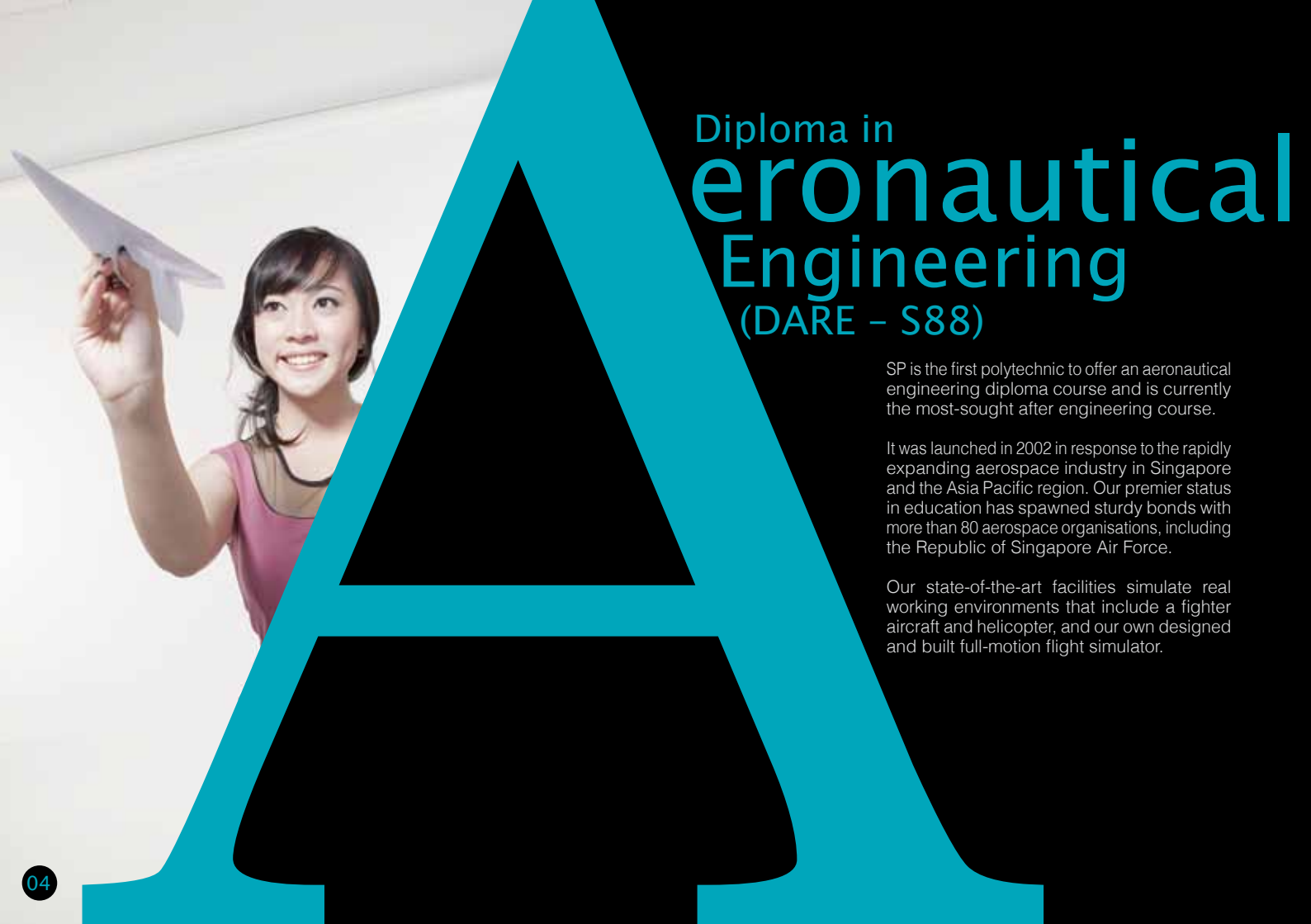
Advanced Modules

You can also enrol in Advanced Modules that will help in your university studies. Capable students can opt for Advanced Modules that are designed to add greater depth of knowledge in key areas.

Refer to individual course modules for list of Advanced Modules available.



Download the free Tag Reader app onto your smartphone and scan this code for more details on Engineering courses.



Diploma in eronautical Engineering (DARE – S88)

SP is the first polytechnic to offer an aeronautical engineering diploma course and is currently the most-sought after engineering course.

It was launched in 2002 in response to the rapidly expanding aerospace industry in Singapore and the Asia Pacific region. Our premier status in education has spawned sturdy bonds with more than 80 aerospace organisations, including the Republic of Singapore Air Force.

Our state-of-the-art facilities simulate real working environments that include a fighter aircraft and helicopter, and our own designed and built full-motion flight simulator.

Our uSPs

This diploma course is fully aligned to Section 66 of the Singapore Airworthiness Requirements (SAR66) and it allows you to sit for the SAR 66 Basic Examinations that qualifies you to become a Licensed Aircraft Maintenance Engineer.

You will receive specialised aeronautical engineering skills and knowledge that will prepare you to effectively contribute to the global aerospace industry.



Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
• Biology	
• Chemistry	
• Design & Technology	
• Fundamentals of Electronics	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	

Applicants must not suffer from either colour appreciation or hearing deficiency.

M Course Modules

DARE is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Drafting
- Electrical Technology
- Electronics
- Engineering Materials I
- Engineering Mathematics I
- Introduction to Engineering
- Mechanics I
- Teamwork & Communication Skills
- Thermofluids I
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Air Legislation & Management
- Aircraft Electrical & Instrument Systems
- Aircraft Maintenance Practices
- Aircraft Power Plants I
- Communication Skills for Work
- Computer Programming
- Computer-Aided Design (Aeronautical)
- Engineering Materials II
- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Fundamentals of Flight
- Mechanics II
- Social Innovation Project
- Independent Study Project & Presentation

THIRD YEAR

- Aerospace Materials
- Aircraft Power Plants II
- Aircraft Structures
- Aircraft Systems
- Avionics
- Human Factors
- Mechanics III
- Quality Management (Aeronautical)
- Project
- **Advanced Modules (optional)**
 - Advanced Mathematics 1
 - Advanced Mathematics 2
 - Advanced Mathematics 3
 - Aerospace Components Manufacturing
 - Aircraft Dynamics & Control
 - Finite Element Methods
 - Higher Mathematics
 - Product Design & Development

Bright Future

Exciting career opportunities await you upon your graduation. You can become a Aeronautical Engineering Technologist or an Aircraft Maintenance Engineer in the aerospace industry. With an additional half-year course in Airline Transport Pilot Theory (during your course of study), you can also start a career as Flight Operations Assistant, Flight Dispatcher, Air Traffic Controller with airlines, air transport operators, the aerospace industry sector and the Republic of Singapore Air Force.

Further Studies

You can gain advanced standing of up to two years of the aeronautical and mechanical engineering degree courses at local and foreign universities.

Within the three years of your DARE course, you may also choose to complete three modules offered by SIM University to qualify for a two-year through-train degree programme in the Bachelor of Engineering (Honours) in Aerospace Systems.

“The DARE course has broadened my thinking and further my knowledge in science. The stimulating training has stretched my boundaries. I had amazing opportunities to give back to the community, experienced interaction with people from all walks of life and made lifelong friends. I have matured intellectually, emotionally and socially. Young minds after me will continue to write SP’s distinctive history and it could very well be YOU!”

– *Thng Kai Yuan, Class of 2011 from DARE, who will pursue his university education after national service.*



Believe



Diploma in Aerospace Electronics

(DASE – S90)

Fast jets, unmanned aerial vehicles and other flying objects. Your dreams can take flight with the Diploma in Aerospace Electronics (DASE). DASE will provide you with specialised knowledge to meet the needs of the booming aerospace industry. It is projected that by 2018, about 10,000 more jobs in servicing, manufacturing, maintenance, repair, overhaul of aircraft and aerospace components will be created.

Our uSPs

SP is the first polytechnic to offer a Diploma in Aerospace Electronics and it is one of the most sought-after engineering courses in Singapore. The course is fully aligned to the Singapore Airworthiness Requirements (SAR 66) for the licensing of Aircraft Maintenance Engineer specified by the Civil Aviation Authority of Singapore. Upon completion of the course, you will be ready to sit for the SAR 66 Basic Examinations.

You can opt to complete your academic programme in five semesters and use the last semester to complete a multi-disciplinary aerospace electronic project.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6

- Biology
- Chemistry
- Design & Technology
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Applicants must not suffer from either colour appreciation or hearing deficiency.



M Course Modules

DASE is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Design & Drafting
- Digital Electronics I
- Digital Electronics II
- Engineering Mathematics I
- Introduction to Engineering I
- Introduction to Engineering II
- Principles of Electrical & Electronic Engineering I
- Principles of Electrical & Electronic Engineering II
- Program Design
- Structured Programming
- Teamwork & Communication Skills
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Aircraft Electrical Fundamentals
- Aircraft Servomechanisms and Electronics
- Aircraft Systems Project
- Analog Communication Systems
- Circuit Theory & Analysis
- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Microcontroller Applications
- Report Writing Skills
- Workplace Communication Skills
- Industrial Training Programme
- Social Innovation Project
- Independent Study Project & Presentation

THIRD YEAR

- Aeronautical Engineering Science
- Aircraft Automatic Flight and Electronic Systems
- Aircraft Communication & Navigation Systems
- Aircraft Electrical Systems
- Aircraft Instrument Systems
- Aircraft Radio and Optical Communications
- Human Factors
- Quality and Reliability
- Final Year Project
- **Advanced Modules (Optional)**
 - Advanced Analogue Electronics
 - Advanced Circuit Analysis
 - Advanced Computer Programming
 - Advanced Digital Electronics
 - Advanced Mathematics 1
 - Advanced Mathematics 2
 - Advanced Mathematics 3
 - Higher Mathematics
 - Physics for Engineers
 - Signals & Systems

Bright Future

Exciting career opportunities await you upon your graduation. Your career options include Aerospace Engineering Officer; Electrical and Electronic Engineer; Sales and Marketing Engineer; Aircraft Maintenance Engineer of commercial aircraft, fighter jets, helicopters and transport aircraft.

Further Studies

You can gain direct entry with advanced standing into Aerospace Engineering, Electrical & Electronic Engineering or Computer Engineering degree courses at local universities. For foreign universities in Australia, United Kingdom or United States, you will also get advanced standing in Aerospace Electronics-related degree courses. Within the three years of your DASE course, you can choose to complete three modules offered by SIM University to qualify for a two-year through-train degree programme in Bachelor of Engineering (Honours) in Aerospace Systems

Believe

“No words can fully describe my exquisite experience while studying the DASE course in SP. Amiable lecturers who walked beside me as my mentors and friends, well-equipped facilities that cater to an ideal learning environment, international attachment to an aviation company and a broad-based aviation course curriculum have all prepared me well for work and further studies.”

– *Lim Hui Yin, Class of 2011 from DASE, Lee Kuan Yew Award winner, who will further her education at Nanyang Technological University.*



Diploma in Bioengineering (DBEN – S58)

The Diploma in Bioengineering course will offer you multi-disciplinary training in medical technology. The balanced grounding you receive in mechanical engineering, electrical engineering and life sciences will hone your skills in developing viable bioengineering solutions. You will collaborate with engineers, doctors and scientists to improve health standards and the quality of life.

Our graduates are valuable assets for the rapidly advancing biomedical sciences industry that constantly churn out ground breaking equipment and innovative procedures!



Our uSPs

As part of your extensive bioengineering education, you will be involved in collaborative projects and gain first-hand knowledge in areas such as Human Interface Technology and Assistive Technology. Hands-on experience includes clinical and research projects with hospitals and research institutions.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
• Biology	
• Chemistry	
• Design & Technology	
• Fundamentals of Electronics	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	

M Course Modules

DBEN is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Drafting
- Electrical Technology
- Electronics
- Engineering Materials I
- Engineering Mathematics I
- Introduction to Engineering
- Mechanics I
- Teamwork & Communication Skills
- Thermofluids I
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Biofluids
- Biomanufacturing Environment & Contamination Controls
- Biomedical Equipment & Practices
- Biomedical Instrumentation
- Communication Skills for Work
- Computer Programming
- Design and Build I
- Engineering Mathematics II
- General Biochemistry
- Introductory Anatomy & Physiology
- Introductory Microbiology & Immunology
- Mechanics II
- Social Innovation Project
- Independent Study Project & Presentation

THIRD YEAR

- Assistive Technology & Rehabilitation Engineering
- Biomanufacturing Process Control & Operations
- Biomechanics
- Biomaterials
- Biostatistics
- cGMP & Medical Device Validation
- Design of Biomedical Devices
- Genetics & Molecular Biology
- Microcontroller Applications
- Rapid Prototyping for Biomedical Applications
- Project
- Advanced Modules (optional)**
 - Advanced Mathematics 1
 - Advanced Mathematics 2
 - Advanced Mathematics 3
 - Engineering Thermodynamics
 - Higher Mathematics
 - Physics for Engineers



“My GPA of 3.9 has gotten me a place in Nanyang Technological University and a scholarship from Sembcorp. I’ll always be proud of SP!”

– *Xu Wan, Class of 2011 from DBEN, who will pursue a degree in Mechanical Engineering at the Nanyang Technological University under a SembCorp scholarship*

Bright Future

Exciting career opportunities await you upon your graduation. You can develop your career as a Bioengineering Technologist with bio-manufacturing companies, hospitals, pharmaceuticals manufacturing plants, healthcare organisations and biomedical engineering services.

Further Studies

You can pursue further studies in related degree courses at local and foreign universities and receive module exemptions.

Believe



Diploma in lean Energy (DCEG - S45)

Singapore is the first polytechnic to launch the Diploma in Clean Energy (DCEG). With increasing global warming and depletion of fossil fuels, clean energy will be the answer to alternative energy sources. Singapore aspires to be a global clean energy hub. An established cleantech sector in Singapore has forecast a contribution of S\$3.4 billion (US\$2.6 billion) to gross domestic product by 2015, while providing 18,000 high quality jobs in Singapore. The DCEG course will train you to become a new generation technologist powering the future of clean energy.

Our uSPs

SP is the first polytechnic to pioneer the research in clean energy, having set up the first solar energy system in 1993 and also installed a wind energy system to harness clean energy. We give you a solid foundation in mathematics to help you grasp the fundamentals of electrical and electronic engineering. This will give you a better understanding in subjects such as energy conversion systems, solar energy systems, wind energy systems, bio-mass and fuel-cells. You will participate in various projects such as the Clean Energy Research Test Bedding (CERT), solar car and electric vehicle. You are able to participate in overseas industrial training programmes in Germany, Australia, China and Thailand.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
• Biology	
• Chemistry	
• Design & Technology	
• Fundamentals of Electronics	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	

Applicants must not suffer from either colour appreciation or hearing deficiency.



M Course Modules

DCEG is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Design & Drafting
- Digital Electronics I
- Digital Electronics II
- Engineering Mathematics I
- Introduction to Engineering I
- Introduction to Engineering II
- Principles of Electrical & Electronic Engineering I
- Principles of Electrical & Electronic Engineering II
- Program Design
- Structured Programming
- Teamwork & Communication Skills
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Circuit Theory & Analysis
- Electrical Installation Design
- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Microcontroller Applications
- Photovoltaic Principles & Materials
- Programmable Logic Controller Applications
- Report Writing Skills
- Sustainable and Clean Energy
- Workplace Communication Skills
- Industrial Training Programme
- Social Innovation Project
- Independent Study Project & Presentation

THIRD YEAR

- Distributed Generation and Grid Interfacing
- Fuel Cells and Biomass Energy
- Photovoltaic Manufacturing Process
- Power System Analysis & Control
- Power Transmission & Distribution
- Sensors & Instrumentation
- Solar Photovoltaic System Design
- Wind Energy Systems
- Final Year Project
- **Advanced Modules (Optional)**
 - Advanced Analogue Electronics
 - Advanced Circuit Analysis
- Advanced Computer Programming
- Advanced Digital Electronics
- Advanced Mathematics 1
- Advanced Mathematics 2
- Advanced Mathematics 3
- Higher Mathematics
- Physics for Engineers
- Signals & Systems



Bright Future

Exciting career opportunities await you upon your graduation. Your career options include working as a Technologist with energy and environmental companies and organisations in the public or private sectors; Technical Officers; Design Specialists; Assistant Engineers in the electrical engineering sector.

Further Studies

You can pursue a degree in engineering at local and foreign universities. You will gain advanced standing in degree programmes from prestigious universities such as the Australian National University, University of New South Wales and the Munich University of Applied Sciences.

Believe

“Global climate changes and resource depletion are two of the greatest challenges to human civilisation. All our current and future developments must be based on sustainable principles. It is timely for SP to educate students on sustainable technology including clean energy sources such as solar, wind, biomass and wave energy.”

**– Dr Toh Peng Seng, Managing Director,
GrenZone Pte Ltd, Singapore**



Common Engineering Programme (DCEP – S40)

You are passionate about engineering but undecided with which course to take. Fret not. The Common Engineering Programme is carefully designed for you to make the right choice. During the first semester, you will be introduced to the world of engineering where you get to dabble with mechanical equipment, biomedical instruments, electrical circuits and electronic gadgets to discover your interests and strengths. At the end of it, you will be able to make an informed choice out of eight engineering courses – Aeronautical Engineering; Aerospace Electronics; Bioengineering; Clean Energy; Computer Engineering; Electrical and Electronic Engineering; Mechanical Engineering; Mechatronics and Robotics.

Our uSPs

This programme offers you a wide range of engineering choices to choose from, giving you an insight to what interests you the most.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
• Biology	
• Chemistry	
• Design & Technology	
• Fundamentals of Electronics	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	



M Course Modules

CEP is a full-time first-semester programme and you will progress to one of eight full-time engineering courses.

FIRST YEAR

Semester 1

- Basic Mathematics
- Computer-Aided Drafting
- Digital Electronics I
- Introduction to Engineering I
- Mechanics I
- Principles of Electrical & Electronic Engineering
- Critical Reasoning and Argumentation

Semester 2

(for MAE diplomas DARE/DBEN/
DME/DMRO)

- Engineering Materials I
- Engineering Mathematics I
- Introduction to Engineering II
- Teamwork & Communication Skills
- Thermofluids I
- Critical Reasoning and Persuasion

(for EEE diplomas DASE/DCEG/
DCPE/DEEE)

- Digital Electronics II
- Engineering Mathematics I
- Introduction to Engineering II
- Principles of Electrical & Electronic Engineering II
- Structured Programming
- Teamwork & Communication Skills
- Critical Reasoning and Persuasion

SECOND YEAR

You will take up modules of the engineering course that you have selected in the first year.

THIRD YEAR

You will take up modules of the engineering course that you have selected in the first year.

Bright Future

Exciting career opportunities await you upon your graduation. Depending on your specialisation, you can start your career as an Engineer, Technologist or Computer-aided Engineer in sectors such as aerospace, offshore, oil and gas, ship building, chemical, computers, electrical and electronics, manufacturing, biomedical, pharmaceuticals, healthcare and robotics.

Further Studies

Depending on your specialisation, you can continue to pursue an engineering or business degree programme at local or foreign universities.



Believe

“Through DCEP, I realised what my strengths are and this helped me to choose the right engineering course. I was thus able to make an informed choice during my second year.”

– *Liao Li Min*, final year DEEE student.



Diploma in computer Engineering (DCPE – S53)

Did you know that the world's fastest super computer has the power of 175,000 laptop computers and can make an equivalent of 2,507 trillion calculations per second? Computer engineering is used in all aspects of our lives, from personal computers to household appliances to mobile phones. The Diploma in Computer Engineering (DCPE) will develop your competence in the use and application of computer and digital technology.

Our uSPs

You will receive a solid foundation in digital electronics, programming, networking and computer systems and security. Our flexible programme allows you to select options to create a wide-base curriculum or specialise in an area of computer engineering. You will gain hands-on experience in different microcontroller / microprocessor, computer networks and operations, systems and security environments. You will be part of the team that experiences and develops applications for projects and industry in our state-of-the-art SPEEE Cloud Computing Centre (the only one of its kind in Singapore).

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6

- Biology
- Chemistry
- Computer Studies
- Design & Technology
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Applicants with impairments must undergo an interview and manual dexterity or aptitude tests.



M Course Modules

DCPE is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Design & Drafting
- Digital Electronics I
- Digital Electronics II
- Engineering Mathematics I
- Introduction to Engineering I
- Introduction to Engineering II
- Principles of Electrical & Electronic Engineering I
- Program Design
- Principles of Electrical & Electronic Engineering II
- Structured Programming
- Teamwork & Communication Skills
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Industrial Training Programme
- Microcontroller Applications
- Network Systems Design
- Report Writing Skills
- Workplace Communication Skills
- Social Innovation Project
- Independent Study Project & Presentation

Technical Modules

(choose any two options from the following)

Computer Applications

- Computer Interfacing
- Data Structures & Algorithms

Computer Networks

- Computer Networking
- LAN Switching & Wireless

Computer Security

- Network Security Systems
- Network Vulnerabilities & Security Tools

Computer Systems

- Data Storage Technology
- Server Management

THIRD YEAR

- Final Year Project
- Object Orientated Programming
- Operating Systems

Technical Modules

(choose any two options from the following)

Business

- Communication Skills for Sales & Marketing
- Fundamentals of Marketing
- Selling & Sales Management

Computer Applications

- Advanced Microcontroller Systems
- Embedded Computer Systems
- Microprocessor Systems

Computer Networking

- Network Management
- TCP/IP
- Wide Area Networks

Computer Security

- Computer & Network Forensics
- Firewall Technologies
- Internet Security

Computer Systems

- Client Server Systems
- Data Centre Management
- System Virtualization

Advanced Modules (Optional)

- Advanced Analogue Electronics
- Advanced Circuit Analysis
- Advanced Computer Programming
- Advanced Digital Electronics
- Advanced Mathematics 1
- Advanced Mathematics 2
- Advanced Mathematics 3
- Higher Mathematics
- Physics for Engineers
- Signals & Systems

Bright Future

Exciting career opportunities await you when you graduate. Your career options include Engineering Assistants; Network and Security Technologists; Data Center / Computer System Administrators; Technical Support Personnel.

Further Studies

You can gain direct entry into second year of local universities to pursue a degree in Computer Engineering, Computer Systems Technology, Network Engineering or Electronic/Electrical Engineering. For some foreign universities in Australia and United Kingdom, you can even get into the third year of a degree programme.

“DCPE has equipped me with technical and inter-personal skills that will prepare me well for my further studies and career. The Diploma-Plus programme that I took gave me a Red Hat Certified Technician Status which is recognised world-wide. My involvement in RoboCup 2010 gave me the chance to interact with people of similar interest from all around the world.”

– Sunardi, Class of 2010 from DCPE, who will pursue a degree at the Singapore University of Technology and Design.



Believe



The Diploma in Electrical and Electronic Engineering is an SP APEX Programme specially designed to inspire and help you reach the peak of your ability. For details, visit www.sp.edu.sg and click on the APEX banner.

Diploma in

Electrical and Electronic Engineering (DEEE – S99)

Electrical and electronic engineering is the broadest and most dynamic of all engineering. It covers everything from micron-scale transistors to macro-scale network systems. This is a major sector in Singapore's economy and it contributed an output of \$63.9 billion or 30.6% of the total manufacturing value added in 2009.

Your future career spans across a wide sector - from aerospace to biomedical to communications, computer to robotics, microelectronics and more.

The Diploma in Electrical and Electronic Engineering (DEEE) will prepare you to be a competent and a much sought after technologist to meet the challenges of a very fast moving industry.



Our uSPs

The DEEE course is taught using Conceive-Design-Implement-Operate (CDIO). This framework, which is used in several top universities in the United States, Europe and Australia, ensures that students are trained to possess good thinking, process and life skills. Our flexible programme will give you a strong foundation in electrical and electronic engineering knowledge and yet allow you the flexibility to select your specialisations according to your interests and ability.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
• Biology	
• Chemistry	
• Design & Technology	
• Fundamentals of Electronics	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	

Applicants must not suffer from colour appreciation deficiency.

M Course Modules

DEEE is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Design & Drafting
- Digital Electronics I
- Digital Electronics II
- Engineering Mathematics I
- Introduction to Engineering I
- Introduction to Engineering II
- Principles of Electrical & Electronic Engineering I
- Principles of Electrical & Electronic Engineering II
- Program Design
- Structured Programming
- Teamwork & Communication Skills
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Report Writing Skills
- Workplace Communication Skills
- Industrial Training Programme
- Social Innovation Project
- Independent Study Project and Presentation
- Aircraft Servomechanisms & Electronics
- Aircraft Systems Project
- Biomedical Engineering**
 - Anatomy & Physiology
 - Biomedical Instrumentation Design & Applications
 - Introduction to Biomedical Engineering
- Electrical Engineering**
 - Circuit Theory & Analysis
 - Electrical Installation Design
 - Programmable Logic Controller Applications

Electronic Engineering

- Analog Communication Systems
- Data Communication Systems
- Microcontroller Applications

Nano Technology

- Basic Nanotechnology
- MEMS & Microsystems
- Photonics and Laser Technology

Technical Modules

(choose any two options)

Aerospace Engineering

- Aircraft Electrical Fundamentals

- Final Year Project

Technical Modules

(choose any two options from the following, provided pre-requisites are met)

Aerospace Engineering

- Aircraft Communication & Navigation Systems
- Aircraft Electrical Systems
- Aircraft Instrument Systems
- Human Factors

Biomedical Engineering

- Biomedical Equipment & Practices
- Biomedical Signal Processing & Analysis
- Medical Imaging & Image Processing
- Medical Informatics & Telemedicine

Business

- Business-to-Business Marketing
- Communication Skills for Sales and Marketing
- Fundamentals of Marketing
- Selling & Sales Management

Communication Engineering

- Digital Communications
- Digital Signal Processing
- Networks & Protocols
- Satellite & Optical Communication

Computer Engineering

- Client-Server Systems
- Embedded Computer Systems
- Operating Systems
- Mobile Application Development

Control Engineering

- Fieldbus Technology
- Network Control Applications
- Sensors & Instrumentation
- Systems & Control

Microelectronics

- Integrated Circuit (IC) Design
- Integrated Circuit (IC) Testing
- Quality & Reliability
- Wafer Fabrication

Nano Technology

- Data Storage Technology
- Display Technology & Nanoscience
- NEMS and Nanodevices
- Photovoltaic Principles & Materials

Power Engineering

- Power Electronics & Drives
- Power System Analysis
- Power Transmission & Distribution
- Solar Photovoltaic System Design

Robotics

- Sensors & Actuators
- Robotic Fundamentals
- Robotics Programming
- Intelligent Robotics Systems

Advanced Modules (Optional)

- Advanced Analogue Electronics
- Advanced Circuit Analysis
- Advanced Computer Programming
- Advanced Digital Electronics
- Advanced Mathematics 1
- Advanced Mathematics 2
- Advanced Mathematics 3
- Higher Mathematics
- Physics for Engineers
- Signals & Systems

THIRD YEAR

Bright Future

Exciting career opportunities await you upon your graduation. You can choose an engineering career in the areas of Electronics / Communications / Computer / Electrical / Control / Test / Design. Your diploma is recognised by the Energy Market Authority (EMA) for the application of Electrical Technician License if you want to specialise in Power Engineering. You will have a competitive advantage when you take the SAR66 examinations conducted by the Civil Aviation Authority of Singapore for the Licensing of Aircraft Maintenance Engineers if you took a specialisation in Aerospace Engineering.

Further Studies

You can pursue a degree with local or foreign universities in Electrical / Electronics / Computer / Bioelectronics Engineering. You will gain direct entry into the second year of Bachelor of Electrical & Electronic Engineering courses at reputable universities in Australia, New Zealand and the United Kingdom.

“My inspiration came from students who were less fortunate - those who had to juggle between work and studies and excelled in both. They inspired me to push my limits in everything I do.”

– Kalai Selvan s/o Thevatas, Class of 2011 from DEEE, who will pursue his degree after National Service.



Believe

Diploma in Engineering with Business (DEB – S42)

In this constantly changing world, it might be challenging to conduct business without a good understanding of new technologies. Neither can you do engineering with little exposure to business knowledge and skills. The Diploma in Engineering with Business (DEB) gives you the best of both worlds and will train you to be a business-savvy engineer. Get ready to be the entrepreneurial engineer!

If you are interested in science, maths and technology, but may not necessarily want to pursue a pure engineering course, this is the right choice for you.



Our uSPs

This is a unique programme pioneered by SP that combines both engineering and business modules. It combines the teaching expertise from three schools – School of Electrical and Electronic Engineering, School of Mechanical and Aeronautical Engineering and SP Business School. You will gain comprehensive learning experience through seminars, site visits, field trips and overseas immersion programmes. A one-semester long internship will provide you with relevant work experience.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Chemistry • Design & Technology • Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	
d) Any two other subjects	1 - 6

M Course Modules

DEB is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Discovery of Engineering
- Electrical Engineering Principles
- Electronic Engineering Principles
- Engineering Design and Drafting
- Engineering Mathematics I
- Fundamentals of Economics
- Fundamentals of Mechanical Engineering
- Human Factors
- Physics for Engineers
- Principles of Marketing
- Structured Programming
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Energy Systems
- Engineering and Design Project
- Engineering Mathematics II(A)
- Engineering Mathematics II(B)
- Essentials of Financial Management
- Fundamentals of Computer and Information Systems
- Marketing Intelligence
- Mechanical Engineering Systems
- Organisational Management
- Project Management
- Report Writing and Presentation Skills
- Selling and Sales Management
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Business Planning for New Ventures
- Business-to-Business Marketing
- Ethics and Professional Preparation
- Internship/Immersion Programme

Electives (choose three)

- Industrial Engineering
- Instrumentation and Control
- Product Design and Development
- Robotics Technology
- Sensor Technology and Applications

- Wireless Technology Applications

Advanced Modules (Optional)

- Advanced Mathematics 1
- Advanced Mathematics 2
- Advanced Mathematics 3



Bright Future

Exciting career opportunities await you when you graduate. Your career options include Technical Sales Executive; Marketing Executive; Project Executive; Procurement Officer; Business Planning and Development Executive; Product Trainer; Entrepreneur.

Further Studies

You have the flexibility to further your studies in engineering, business or similar inter-disciplinary programmes in both local and overseas universities. You can get advanced standing when you take up engineering or business degree programmes.

Believe

“DEB gives me the opportunity to explore and learn a wide range of subjects. The teaching of both engineering and business modules in this course allows me to integrate the technical aspects of engineering with essential business concepts. This approach provides me with an insight on how these concepts are applied to engineering products and services in the world of business.”

– *Thomas Tham, final year DEB student, SP Outstanding Talent Programme and Student Mentor.*

Diploma in

Info-Communication Engineering & Design (DICD - S85)

Technological development in information and telecommunication are very crucial to modernisation. Every aspect of our lifestyle such as smart phones, laptops, the internet and broadband services depend on these developments. The communication engineer, with his expertise in the design, construction, operation and application of communication engineering technology, is much sought after.

The Diploma in Info-Communication Engineering & Design (DICD) course will equip you with a solid foundation in both the technical knowledge and design thinking skills needed to drive the world of information and telecommunication forward.





Our uSPs

SP is the first polytechnic to formally integrate engineering with design, and this in itself is the winning formula for this course. DICD is the **FIRST** and **ONLY** engineering diploma that offers a strong foundation in engineering principles as well as mastering of creative design process.

More than 20% of the curriculum is dedicated to design thinking training. Engineering training focuses on four major growth areas of the infocomm industry - Next Generation Broadband Networks, Mobile / Wireless Communications, Computer Networking & Security and Internet Application Development. DICD is the **ONLY** course that covers IT and communication engineering, supplemented with design thinking. DICD graduates are bound to become the future designers of the infocomm industry.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Chemistry • Computer Studies • Design & Technology • Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	

M Course Modules

DICD is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Design Fundamentals
- Design Thinking Studio I
- Digital Electronics I
- Digital Electronics II
- Engineering Mathematics I
- Introduction to Engineering I
- Introduction to Engineering II
- Java Programming I
- Principles of Electrical & Electronic Engineering I
- Principles of Electrical & Electronic Engineering II
- Teamwork & Communication Skills
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Analog Communication Systems
- Data Communication Systems
- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Human Computer Interface Design
- Information Design
- Java Programming II
- Mobile Applications Development
- Networks & Protocols
- Report Writing Skills
- Web Client & Server
- Workplace Communication Skills
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Broadband Communications
- Design Thinking Studio II
- Digital Communications
- Network Management
- Final Year Project

Technical Modules

(choose any option from the following)

Wireless & Digital

Media Communication

- Digital Media Coding
- IP Multimedia Services
- Mobile Communication System
- Wireless Technologies

Wireless Communication & Security

- Mobile Communication Systems
- Wireless Technologies
- Network Security Systems
- Firewall Technologies

Internet & Security

- Web Server Management
- Web Services Development
- Network Security Systems
- Firewall Technologies

Advanced Modules (Optional)

- Advanced Analogue Electronics
- Advanced Circuit Analysis
- Advanced Computer Programming
- Advanced Digital Electronics
- Advanced Mathematics 1
- Advanced Mathematics 2
- Advanced Mathematics 3
- Higher Mathematics
- Physics for Engineers
- Signals & Systems

Bright Future

With your solid foundation in both engineering and design skills, exciting career opportunities await you upon your graduation. Your career options include Design Specialist for infocomm products, systems and services; Network Integration Consultant in the infocomm sector and telecommunication services; Service Developer / Producer for electronic business systems, web applications and services; Network security / Risk Management consultant; Security Application Specialist; Network System Engineer; and Network Sales Engineer.

Further Studies

The DICT course covers both IT and communication engineering. Therefore DICT graduates have the broadest choice of engineering degree programmes, including Information Technology; Computer Engineering/Science; Electrical & Electronics Engineering; and Telecommunication Engineering. You can get modules exemption or direct entry into the second year of related engineering degree programmes at local universities (e.g. NTU, NUS, SUTD) and foreign universities in United Kingdom, United States, Australia and New Zealand.



Believe

“I joined this course to get in tune with the latest infocomm-related technologies such as wireless and mobile communication systems. I strongly believe that this course gave me a head start as it provided me with a broad perspective of what the infocomm industry is about and what I can specialise in the future.”

– Timothy Thong Qian Mu, Class of 2009 from DICT (now revamped as DICT), now studying Computer Science at Purdue University, United States under the National Infocomm Scholarship awarded by Singtel.



The Diploma in Mechanical Engineering is an SP APEX Programme specially designed to inspire and help you reach the peak of your ability. For details, visit www.sp.edu.sg and click on the APEX banner.

Diploma in Mechanical Engineering (DME – S91)

This is Singapore's first engineering course, offered since 1958 and has since remained the island's de facto first-choice Mechanical Engineering diploma course.

We are constantly re-inventing to align with international trends and gaining worldwide acclaims and accreditations. As a DME student, you will develop a firm foundation in a wide range of engineering disciplines and some non-engineering basics such as business and arts. You will specialise in one of six options to hone your skills in a key area of engineering expertise. Some of our graduates have successfully progressed to forefront engineering careers and even gained admission into business degree programmes in prestigious universities.



Our uSPs

We are the only mechanical engineering course that applies Design Thinking methodology and the Massachusetts Institute of Technology's Conceive, Design, Implement and Operate (CDIO) framework to our curriculum.

After gaining a solid foundation in mechanical engineering technology during the first two years of study, you can choose to specialise in one of the following: Mechanical Technology; Aeronautical Technology; Precision Engineering; Product Realisation; Resort Facilities Management; Systems Engineering. Under the internship programme you will gain experience with reputable organisations and exposure to real-world projects.

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Chemistry • Design & Technology • Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	

M Course Modules

DME is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Drafting
- Electrical Technology
- Electronics
- Engineering Materials I
- Engineering Mathematics I
- Introduction to Engineering
- Mechanics I
- Teamwork and Communication Skills
- Thermofluids I
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Communication Skills for Work
- Computer-Aided Machining
- Computer Programming
- Design & Build
- Engineering Materials II
- Engineering Mathematics II (A)
- Engineering Mathematics II (B)
- Industrial Automation
- Industrial Engineering
- Mechanics II
- Thermofluids II
- Social Innovation Project
- Independent Study Project and Presentation

(Select one technology option to specialise)

Aeronautical Technology

- Aircraft Maintenance Practices
- Aircraft Systems
- Fundamentals of Flight
- Engineering Thermodynamics
- Human Factors
- Mechanics III
- Project (15 weeks)

Mechanical Technology

- Cleanroom Technology
- Engineering Thermodynamics
- Fluid Mechanics
- Instrumentation & Control
- Mechanics III
- Quality Management
- Refrigeration & Air-conditioning
- Project (15 weeks)

Precision Engineering

- Advanced Machining & Metrology
- Engineering Thermodynamics
- Fluid Mechanics
- Mechanics III
- Parts Design for Assembly
- Quality Management
- Tooling Engineering
- Project (15 weeks)

THIRD YEAR

Product Realisation

- Design Communication & Illustration
- Engineering Thermodynamics
- Ergonomics and Universal Design
- Fluid Mechanics
- Mechanics III
- Product Design & Development
- Quality Management
- Project (15 weeks)

Resort Facilities

- Air-conditioning & Mechanical Ventilation
- Engineering Thermodynamics
- Fluid Mechanics
- Mechanics III
- Quality Management
- Resort Maintenance Engineering & Services
- Safety & Risk Management
- Project (15 weeks)

Systems Engineering

- Engineering Thermodynamics
- Enterprise Resource Planning
- Fluid Mechanics
- Mechanics III
- Organisational Management
- Project Management
- Quality Management
- Project (15 weeks)

Advanced Modules (optional)

- Advanced Mathematics 1
- Advanced Mathematics 2
- Advanced Mathematics 3
- Finite Element Methods
- Higher Mathematics
- Instrumentation & Control
- Product Design & Development*

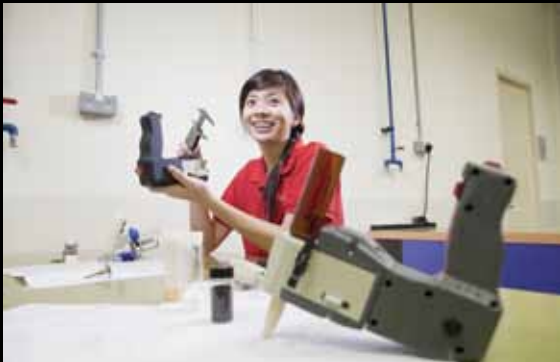
* Product Design & Development is a third year core module in the Product Realisation Option.

Bright Future

Exciting career opportunities await you upon your graduation. You can start your career as an Engineer in a wide range of exciting industries such as aerospace, oil and gas, ship building, chemical, computers, electronics, manufacturing, pharmaceuticals and robotics.

Further Studies

You can gain direct entry into the second year of various engineering and business programmes in local and foreign universities.



Believe

“It has always been my dream to design and innovate things for the betterment of mankind. Harnessing the power of technology and design has allowed me to make my dream a reality. Singapore Polytechnic provided me with an excellent stepping stone towards achieving my dream.”

– Muhammad Zaki Bin Djuanda, Class of 2011 from DME, pursuing a degree in Engineering with a major in Engineering Systems and Design at Singapore University of Technology and Design.



Diploma in Mechatronics & Robotics (DMRO – S73)

SP launched Singapore's first mechatronics diploma course in 1991 to meet the niche demand for cross-disciplinary engineers from precision engineering companies. We have since diversified to cover more emerging fields of expertise to meet the demand for multi-disciplinary engineers. Training has gone beyond the core areas of mechanical engineering and electronics to include a plethora of skills in IT, programming and design skills.

As a DMRO student, you will work with renowned industry partners and participate in high-profile robotics competitions locally and internationally. Our versatile graduates have forayed successfully into professions beyond engineering, including banking, accountancy and medicine.



Entry Requirements

Aggregate Type: ELR2B2-C

Our uSPs

SP's DMRO course will equip you with multi-skills and knowledge that cover mechanical engineering, electronics and computer technology. This will allow you to diversify into other engineering fields. You will get real and relevant first-hand work experience through engaging projects with reputable organisations.

Subject

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) One of the following 3 rd relevant subjects:	1 - 6

- Biology
- Chemistry
- Design & Technology
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

M Course Modules

DMRO is a three-year full-time programme.

FIRST YEAR

- Basic Mathematics
- Computer-Aided Drafting
- Electrical Technology
- Electronics
- Engineering Materials I
- Engineering Mathematics I
- Introduction to Engineering
- Mechanics I
- Teamwork & Communication Skills
- Thermofluids I
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Communication Skills for Work
- Computer Programming
- Design & Fabrication Project
- Electronic Devices
- Engineering Mathematics II(A)
- Engineering Mathematics II(B)
- Industrial Automation
- Mechanics II
- Microcontroller Applications
- Thermofluids II
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Circuit Theory
- Computer-Aided Machining
- Industrial Engineering
- Mechanics III
- Programmable Logic Controller
- Robotic Integration & Programming
- Systems & Control
- Final-Year Project (15 weeks)
- Advanced Modules (optional)**
 - Advanced Mathematics 1
 - Advanced Mathematics 2
 - Advanced Mathematics 3
 - Higher Mathematics
 - Product Design & Development
 - Sensor Technology & Applications

Bright Future

Exciting career opportunities await you upon your graduation. You can develop your career as a Mechatronics and Robotics Technologist in the automated and high valued biomedical and pharmaceutical manufacturing industries. There is always a high demand for mechatronics graduates in the fields of consumer electronics, automation, semiconductors and data storage, communications, research and development and many more.

Further Studies

You can gain direct entry into the second year of related engineering degree programmes at local and foreign universities.



Believe

“I chose DMA (now renamed DMRO) because I love the art of creation. Mechatronics has enabled me to build from scratch, incorporate mechanical parts with electronics and program movement in the end product. My SP education has forged a strong career path for me.”

– Kyi Hla Win, Class of 2011 from DMA (now revamped as DMRO), will be pursuing an engineering degree.

Preparatory Programmes for SP Engineering Students

There are several special programmes for SP engineering students. One of them is the Preparatory Mathematics Programme designed specifically to bridge the Mathematics foundation of students who did not take Additional Mathematics at the GCE 'O' Level examinations.

Prior to starting your diploma courses, you will undergo a three-week online programme. You will be given a review of the relevant mathematics topics that will prepare you for your first year. Consultancy will also be provided by lecturers from the School of Mathematics & Science.

For ITE students, the Preparatory Mathematics programme has been customised to include face-to-face lessons.

Preparatory Programmes to prepare SP students for university education

The opportunities for SP engineering graduates to pursue a university degree have increased significantly. The Preparatory Programmes are specially designed to prepare you for university education.

Students who have done very well at the 'O' Levels or excelled in the first year of study at SP with good grades in Mathematics will be offered an opportunity to take the Advanced Mathematics Modules. Students who have successfully completed the 3 advanced mathematics modules may be considered for advanced standing and/or module exemption in local and overseas universities.

The mathematics knowledge gained through the Advanced Mathematics Modules will help you to develop analytical, logical thinking and problem solving skills. The training in advanced engineering mathematics will give you a solid foundation when you proceed to the university. It will help you to achieve a smoother assimilation to the degree course.

Exemptions by local universities for SP students who have successfully completed the 3 AMM.

University	School / Faculty	Exemption	Condition(s), if any, for Exemption
NUS	Engineering Computing	Maths Proficiency Test	
	Computing	See (*)	
NTU	Civil and Environmental Engineering	Essential Mathematics	
	Electrical & Electronic Engineering	Basic Engineering Mathematics	Average grade of B in the 3 Advanced Mathematics Modules upon application
	Mechanical Engineering	Essential Mathematics	Min grade of B+ for all 3 Advanced Mathematics Modules

(*) Students who do not meet the mathematics requirements stipulated by the School of Computing will be considered for admission to computing courses on discretionary basis.

In addition to the above, you may take up the 'Physics for Engineers' advanced module with the possibility of further exemptions.

University	School / Faculty	Exemption	Condition(s), if any, for Exemption
NTU	Civil and Environmental Engineering	Foundation Physics	Completed the 'Physics for Engineers' advanced module with a certain required grade
	Electrical & Electronic Engineering		
	Mechanical Engineering		
	Physical & Mathematical Sciences	Mechanics & Relativity ; Fields & Oscillations	Completed 'Physics for Engineers' advanced module with a grade of A
NUS	Engineering	Bridging Physics modules	Completed 'Physics for Engineers' advanced module.

For further information regarding entry requirements, courses and careers for

- Aerospace Electronics
- Clean Energy
- Computer Engineering
- Electrical & Electronic Engineering
- Engineering with Business
- Info-Communication Engineering and Design

please contact:

School of Electrical & Electronic Engineering

Tel: (65) 6772-1815

Fax: (65) 6772-1974

Email: eee@sp.edu.sg

Website: www.sp.edu.sg/schools/eee

For further information regarding entry requirements, courses and careers for

- Aeronautical Engineering
- Bioengineering
- Common Engineering Programme
- Mechanical Engineering
- Mechatronics and Robotics

please contact:

School of Mechanical & Aeronautical Engineering

Tel: (65) 6772-1819

Fax: (65) 6772-1975

Email: mae@sp.edu.sg

Website: www.sp.edu.sg/schools/mae



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Department of Corporate Communications

Singapore Polytechnic 500 Dover Road Singapore 139651