CET Academy

The CET Academy drives Ngee Ann Polytechnic's (NP) continuing education initiative. Its vision is to provide opportunities for the workforce to professionally upgrade themselves through various diploma, specialist and advanced diploma courses, and to harness the knowledge and skills of the workforce through short courses and customised in-company training.

Since 1985, the CET Academy has been providing a spectrum of high quality and affordable training programmes that cater to professionals in varied sectors of our economy. The Academy provides training to more than 3,000 working adults each year. Riding on this track record, NP has established itself as one of Singapore’s key training providers in the arena of CET.

BLUEPRINT FOR LIFELONG LEARNING

Under the Singapore Government’s CET Master Plan, the Ministry of Manpower intends to make adult training qualifications portable, establish stronger linkages between CET and pre-employment education institutions, and set up more CET centres to deliver quality training for adult learners.

The CET Academy reinforces NP’s commitment to play a substantive part in support of the Singapore Government’s Master Plan to offer adult education and training, and in championing lifelong learning.

The Academy spearheads NP’s effort by offering:

- Part-time Diploma, Specialist Diploma and Advanced Diploma courses, as well as short courses and customised in-company courses

- Courses under the Singapore Workforce Development Agency’s Workforce Skills Qualifications (WSQ) framework

COURSES OFFERED

The CET Academy offers a wide range of courses and programmes spanning the fields of Business, Finance & Accounting, Language, Life Skills, Art & Media, Infocomm Technology, Engineering, Health & Life Sciences, Humanities and Early Childhood Education.

The Academy also designs customised courses to help companies enhance the life skills and management acumen of their staff. This in turn helps staff meet their companies’ organisational goals and strategies.
Flexibility is built into these courses to allow for self-paced learning. Students can choose from a wide variety of modules to match their job schedules and interests.

A combination of delivery modes, such as lectures, workshops, seminars and conferences, are used to facilitate a learning process that allows students to apply their knowledge at the workplace. Some modules are even delivered online so that students can engage in virtual learning.

Besides the wide range of short courses, the CET Academy offers the following part-time diploma, specialist and advanced diploma courses:

**Business / Finance & Accounting**
- Diploma in Administration & Management
- Specialist Diploma in Franchise & Enterprise Management
- Specialist Diploma in Logistics Management
- Specialist Diploma in Tourism Management
- Advanced Diploma in International Business

**Health & Life Sciences**
- Specialist Diploma in Molecular Biotechnology
- Specialist Diploma in Pharma & Biopharmaceutical Manufacturing
- Advanced Diploma in Critical Care Nursing
- Advanced Diploma in Nursing (Chronic Disease Management)
- Advanced Diploma in Perioperative Nursing

**Language / Life Skills / Arts & Media**
- Specialist Diploma in Interactive New Media Design

**Humanities & Early Childhood Education**
- Diploma in Early Childhood Care & Education – Teaching
- Advanced Diploma In Early Childhood Intervention (Special Needs)

**Engineering**
- Diploma in Technology
  - This comprehensive programme offers a choice of nine majors:
  - Aerospace
  - Building Services and Fire Safety
  - Electrical
  - Electronics
  - Logistics
  - Marine & Offshore
  - Mechanical
  - Mechatronics
  - Water & Environment
- Specialist Diploma in Facility Management
- Specialist Diploma in Marine & Offshore Technology
- Advanced Diploma in Industrial Engineering & Management

**FACILITIES & STAFF**
CET Academy’s facilities for student training and development include a Teaching Hub that houses 54 classrooms. For the convenience of students, the Academy has also developed a series of online services and extended the office counter opening hours to enhance its services to adult learners.

Trainers for these part-time courses are experienced and highly-qualified lecturers from both the polytechnic and industry.

**COLLABORATIONS**
NP has developed strong partnerships with trade associations, professional bodies, self-help groups and government agencies to ensure that the courses offered are relevant to industries and in tandem with the latest economic and technological trends.

The CET Academy’s courses are usually developed in consultation with relevant partners through focus group discussions. This has resulted in the initiation of a number of joint programmes that cater to the needs of specific industry sectors.

**ADMISSION & APPLICATION**
Admission requirements vary, depending on the type of course selected. The course calendar and details are advertised regularly in the print media to provide up-to-date information for the public. Interested participants may log on to www.np.edu.sg/cet for further details.

Online application is available at www.np.edu.sg/cet
This diploma equips students with strong foundational skills in key functional areas such as management, finance, human resource management and supply chain management.

The course aims to meet the training needs of Corporate Support Officers who wish to advance their knowledge and skills to the next grade level or to be re-employable.

**COURSE MODULES**
- Communication Skills 1
- Microeconomics
- Organisational Behaviour for Service Excellence
- Statistics
- Decision Support with Spreadsheets
- Macroeconomics
- Communication Skills 2
- Business Management
- Principles of Accounting
- Service Operations Management
- Principles of Marketing
- Accounting Applications and Analysis
- Electronic Systems Applications
- Communication Skills 3
- Financial Management
- Human Resource Management
- Cost and Managerial Accounting
- Customer Relationship Management
- Service Innovation and Strategy
- Service Quality Management

This specialist diploma course is jointly offered and awarded by NP and the Franchising & Licensing Association of Singapore. In line with the current emphasis to develop entrepreneurial spirit and Singapore brands, this course aims to meet the educational and training needs of current and potential franchisors and franchisees.

The course is unique in focusing on both the cognitive and practical requirements of operating a franchise business, locally and overseas. It will expedite the process of acquiring the essential knowledge, attitudes and skills in developing and managing a franchise business. This course will address the most current and important issues facing a franchisor and franchisee through the Special Topics Module.

SDFEM is targeted at potential and current franchisors and franchisees as well as anyone interested in the business opportunities offered via a franchising enterprise.

**COURSE MODULES**
- Fundamentals of Franchise Management
- Financial Management
- Franchise Relationship Management & Licensing
- Marketing & Branding Strategy
- Internationalisation of a Franchise
- Enterprise Management (simulation game)
- Legal Aspects of Franchising and Licensing
- Special Topics and Start-up Business Planning
- Operations Management
- Integrated Studies (project based)
BUSINESS/FINANCE & ACCOUNTING
SPECIALIST DIPLOMA IN TOURISM MANAGEMENT (SDTM)
9-MONTH PART-TIME COURSE

SCHOOL OF BUSINESS & ACCOUNTANCY

This specialist diploma provides training for participants who are interested in joining the tourism industry or who wish to upgrade their qualifications.

This course aims to develop a broad, yet comprehensive understanding of the various tourism and travel management principles and practices in today’s tourism industry.

SDTM is a conversion course, designed specifically for executives with a non-relevant first degree or diploma who want to develop an understanding of management principles in an applied tourism context.

COURSE MODULES
• Fundamentals of Tourism Management
• Conventions & Events Management
• Leisure & Attractions Management
• Hospitality Management
• Travel & Destination Management
• Industry Project

BUSINESS/FINANCE & ACCOUNTING
ADVANCED DIPLOMA IN INTERNATIONAL BUSINESS (ADIB)
15-MONTH PART-TIME COURSE

SCHOOL OF BUSINESS & ACCOUNTANCY

In line with the government’s emphasis on globalisation, this advanced diploma aims to develop a pool of executives for companies embarking on international business.

This course will help participants to better operate and strategically manage their businesses in an increasingly complex multinational global system. The course targets executives who are in business-related fields and those who wish to update their professional knowledge and business acumen in international business.

COURSE MODULES
• International Business Environment
• Cross-Cultural Business Behaviour
• International Market Research
• Marketing Management
• Management Principles & Practices
• Cost Concepts
• E-Business Management
• E-Marketing
• Global Marketing
• Management of International Business
• International Marketing Communications
• International Operation & Human Resource Management
• Strategic Marketing Management
• International Finance
• Financial and Managerial Accounting
• Project (Modules 1 and 2)

HUMANITIES & EARLY CHILDHOOD EDUCATION
SPECIALIST DIPLOMA IN EARLY CHILDHOOD CARE & EDUCATION – TEACHING (DECCE-T)
30-MONTH PART-TIME COURSE

SCHOOL OF HUMANITIES

The diploma aims to produce high quality early childhood educators who will make a difference to classroom practices as professional educators. DECCE-T is designed to train in-service early childhood educators and candidates from other professions who are interested in a career switch.

COURSE MODULES
There are 14 modules and four practicum attachments in the course:
• The Developing Child (I) & (II)
• Principles and Practices in Early Education
• Children’s Health and Socio-emotional Well-being
• Language and Literacy
• The Early Educator as a Professional
• The Learning Environment and Behaviour Management
• Infant and Toddler Learning Environment
• The Child and the Creative Curriculum
• Working with the Exceptional Child
• The Child and the Inquiry Curriculum
• Social Studies in Early Education
• Curriculum Planning and Design
• Working with Families and Communities
HUMANITIES & EARLY CHILDHOOD EDUCATION

ADVANCED DIPLOMA IN EARLY CHILDHOOD INTERVENTION (SPECIAL NEEDS) [ADECI (SN)]

SCHOOL OF HUMANITIES

This diploma aims to produce high quality early childhood and special education teachers who can work with children with special needs or exceptionalities, including intellectual, physical and sensory disabilities, as well as children with communication, social, emotional and behavioural difficulties.

ADECI (SN) is designed to train experienced educators/teachers and related professionals, who already hold a qualification in early childhood or special education at the degree or diploma level.

COURSE MODULES
- Typical & Atypical Early Childhood Development
- Issues & Trends in Special Needs and Early Childhood Intervention
- Assessment, Evaluation & Programming
- Early Years Curricula & Effective Intervention Strategies in Early Childhood and Special Needs
- Working Collaboratively with Parents & Other Professionals
- Leadership, Communication & Collaboration
- Research in Early Childhood Intervention
- Curriculum Studies
- Supervised Practicum

ENGINEERING

DIPLOMA IN TECHNOLOGY (AEROSPACE)

3-YEAR PART-TIME COURSE

SCHOOL OF ENGINEERING

The course is designed for working adults who wish to upgrade and update themselves in their current field of work. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

To graduate, the student is required to complete at least 80 credit units, comprising of core modules and elective modules. Elective modules can be selected from a wide range of subjects offered by various schools.

COURSE STRUCTURE

Stage 1
- Aerospace Fundamentals
- Applied Mechanics I
- Engineering Maths A

Stage 2
- Aerospace Maintenance Practices
- Aircraft Electrical Systems
- Engineering Mathematics B

Stage 3
- Thermofluid A
- Engineering Materials & Processes
- Applied Mechanics II

Note on Electives
Students are able to choose from a wide range of electives from Stage 2 onwards. However, the elective module “Helicopter Theory and Systems” is highly recommended to be taken at either stage 5 or 6.

Stage 4
- Thermofluid B
- Aerospace Materials & Processes
- Applied Strength of Materials

Stage 5
- Flight Mechanics
- Human Factor & Aviation Legislation
- Aircraft Structures & Systems A

Stage 6
- Aircraft Propulsion Theory & Systems
- Avionics Theory and Systems
- Aircraft Structures & Systems B

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.

ENGINEERING

DIPLOMA IN TECHNOLOGY (BUILDING SERVICES AND FIRE SAFETY)

3-YEAR PART-TIME COURSE

SCHOOL OF ENGINEERING

This course is designed in collaboration with the Singapore Civil Defence Force (SCDF). The course is structured to prepare students for careers in both Building Services and Fire Safety. With this collaboration, students will have the privilege to learn fire safety from the SCDF’s expert trainers. The fire safety modules prepare the graduates to manage sophisticated and mega high-rise buildings which have higher fire risks. Graduates will also be awarded the Certificate in Fire Safety Manager that qualifies them to register as Fire Safety Managers with SCDF.

Core modules are related to the individual course discipline while the cross-disciplinary electives provide opportunities for participants to learn wide-ranging skills and knowledge outside the discipline. The course has been designed to complement conceptual and theoretical knowledge with practical hands-on skills.

COURSE STRUCTURE

Stage 1
- Principles of Electrical Engineering
- Building CAD

Stage 2
- Engineering Mathematics A
- Principles of Electrical Engineering
- Building CAD

Stage 3
- Engineering Mathematics B
- Basic Air-conditioning
- Fire Science

Stage 4
- Fire Operations & Investigation
- Air-conditioning & Mechanical Ventilation Systems

Stage 5
- Fire Safety Management
- Fire Engineering
- Architectural & Building Construction

Stage 6
- Performance-based Fire Safety
- Project Management
- Intelligent Building Systems

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.
ENGINEERING
DIPLOMA IN
TECHNOLOGY
(ELECTRICAL)
3-YEAR PART-TIME COURSE
SCHOOL OF ENGINEERING

This course is structured in a modular form based on a module credit system. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

To graduate, students are required to complete core modules in all the six stages. Each of the core modules has 4 credit units. In addition, students are also required to complete another 24 credit units of elective modules.

COURSE STRUCTURE

Stage 1
• Principles of DC Circuits
• Basic Electronics and Devices
• Engineering Mathematics A

Stage 2
• Principles of AC Circuits
• Principles of Digital Electronics
• Engineering Mathematics B

Stage 3
• Electrical Circuit Analysis
• Analog Circuits and Applications

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.

Stage 4
• Electric Machinery
• Principles of Control Systems

Stage 5
• Distribution System Design
• Distribution System & Protection

Stage 6
• Electrical Metrology & Practice
• Power Electronics & Applications

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.

ENGINEERING
DIPLOMA IN
TECHNOLOGY
(ELECTRONICS)
3-YEAR PART-TIME COURSE
SCHOOL OF ENGINEERING

This course is structured in a modular form based on a module credit system. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

To graduate, students are required to complete core modules in all the six stages. Each of the core modules has 4 credit units. In addition, students are also required to complete another 24 credit units of elective modules.

COURSE STRUCTURE

Stage 1
• Principles of DC Circuits
• Basic Electronics and Devices
• Engineering Mathematics A

Stage 2
• Principles of Digital Electronics
• Principles of AC Circuits
• Engineering Mathematics B

Stage 3
• Analog Circuits and Applications
• Mini-Electronic Control Project

Stage 4
• Basic Internetworking
• Principles of Control Systems

Stage 5
• Principles of Photonics
• Routing Principles

Stage 6
• Basic Microcontroller Programming
• Digital Signal Processing and Applications

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.

ENGINEERING
DIPLOMA IN
TECHNOLOGY
(LOGISTICS)
3-YEAR PART-TIME COURSE
SCHOOL OF ENGINEERING

This course addresses the needs of employers in the logistics service industry, manufacturing logistics and other logistics-related sectors, as well as the needs of employees who wish to upgrade their skills.

Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience. The course equips students with up-to-date logistics operations, and technological and management know-how, as well as business and IT skills essential for logistics management in the new economy.

COURSE STRUCTURE

Stage 1
• Introduction to Logistics
• Global Logistics Management
• Chemical Logistics

Stage 2
• Purchasing Management
• Operations Planning & Control

Stage 3
• Warehousing Management
• Distribution Management
• Inventory Management

Stage 4
• Electronic Logistics
• Supply Chain Management
• Enterprise Information Systems

Stage 5
• Business Finance
• Principles of Marketing

Stage 6
• Business Process Engineering
• Quantitative Logistics Analysis

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.
ENGINEERING DIPLOMA IN TECHNOLOGY (MARINE & OFFSHORE) 3-YEAR PART-TIME COURSE

SCHOOL OF ENGINEERING

This course is designed for working adults who wish to upgrade and update themselves in their current field of work. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

To graduate, a student is required to complete at least 80 credit units, comprising of core modules and elective modules. Elective modules can be selected from a wide range of subjects offered by various schools.

COURSE STRUCTURE

Stage 1
- Engineering Maths A
- Applied Mechanics I
- Engineering Materials & Processes

Stage 2
- Engineering Maths B
- Applied Mechanics 2
- Naval Architecture 1

Stage 3
- Principles of DC Circuits
- Applied Strength of Materials
- Naval Architecture 2

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of online elective modules.

Stage 4
- Principles of AC Circuits
- Fundamentals of Thermofluid
- Offshore Engineering

Stage 5
- Naval Architecture 3
- Marine Engineering 1

Stage 6
- Ship Design
- Marine Engineering 2

Stage 1
- Principles of DC Circuits
- Engineering Maths A
- Principles of DC Circuits
- Engineering Materials & Processes

Stage 2
- Applied Mechanics I
- Engineering Maths B
- Applied Mechanics I
- Computer-aided Engineering & Drafting

Stage 3
- Applied Mechanics II
- Marine Engineering 1
- Mechanical Design

Stage 4
- Principles of AC Circuits
- Fundamentals of Thermofluid

Stage 5
- Applied Fluid Mechanics
- Applied Thermodynamics

Stage 6
- Applied Strength of Materials
- Engineering System Design

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.

ENGINEERING DIPLOMA IN TECHNOLOGY (MECHANICAL) 3-YEAR PART-TIME COURSE

SCHOOL OF ENGINEERING

This course is designed for working adults who wish to upgrade and update themselves in their current field of work. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

To graduate, a student is required to complete at least 80 credit units, comprising of core modules and elective modules. Elective modules can be selected from a wide range of subjects offered by various schools.

COURSE STRUCTURE

Stage 1
- Engineering Maths A
- Principles of DC Circuits
- Engineering Materials & Processes

Stage 2
- Applied Mechanics I
- Engineering Maths B
- Basic Electronic Devices

Stage 3
- Principles of Digital Electronics
- Engineering Maths B
- Computer-aided Engineering & Drafting

Stage 4
- Principles of AC Circuits
- Fundamentals of Thermofluid

Stage 5
- Applied Fluid Mechanics
- Applied Thermodynamics

Stage 6
- Applied Strength of Materials
- Engineering System Design

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.

ENGINEERING DIPLOMA IN TECHNOLOGY (MECHATRONICS) 3-YEAR PART-TIME COURSE

SCHOOL OF ENGINEERING

This course is designed for working adults who wish to upgrade and update themselves in their current field of work. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

To graduate, a student is required to complete at least 80 credit units, comprising of core modules and elective modules. Elective modules can be selected from a wide range of subjects offered by various schools.

COURSE STRUCTURE

Stage 1
- Principles of DC Circuits
- Computer Programming
- Engineering Maths A

Stage 2
- Basic Electronic Devices
- Applied Mechanics I
- Engineering Maths B

Stage 3
- Principles of Digital Electronics
- Computer-aided Engineering & Drafting
- Applied Mechanics 2

Stage 4
- Applied Strength of Materials
- Engineering System Design

Stage 5
- Mini Electronic Control Project
- Instrumentation & Control

Stage 6
- Basic Micro-controller Programming
- Engineering System Design

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of on-line elective modules.
ENGINEERING
DIPLOMA IN TECHNOLOGY (WATER & ENVIRONMENT)
3-YEAR PART-TIME COURSE
SCHOOL OF ENGINEERING
This course is offered in response to strong demand from the industry. Candidates need to meet the minimum entry requirements, including at least three years of relevant working experience.

Core modules are related to the individual course discipline while the cross-disciplinary electives provide the opportunities for students to learn wide-ranging skills and knowledge outside the discipline. The course has been designed to complement conceptual and theoretical knowledge with practical hands-on skills.

COURSE STRUCTURE
Stage 1
• Engineering Mathematics A
• Environmental Chemistry
• Environmental Biology

Stage 2
• Ecological Studies
• Pest & Vector Control

Stage 3
• Environment Health & Safety
• Drainage & Sewerage Systems

Stage 4
• Water Quality Monitoring & Control
• Environmental Legislation & Regulations

Stage 5
• Instrumentation & Control Systems
• Water Conservation & Energy Management
• Air Quality Monitoring & Control

Stage 6
• Noise Pollution & Control
• Environment Waste Management

Note on Electives
For the electives, students can choose from a list of core/non-core electives. They can also select from a list of online elective modules.

ENGINEERING
SPECIALIST DIPLOMA IN FACILITY MANAGEMENT (SDFM)
1-YEAR PART-TIME COURSE
SCHOOL OF ENGINEERING
This course is designed for diploma and degree holders who are currently in, or intend to pursue, a career in Facility Management. The course prepares participants for building management and provides them the knowledge needed to function as facility managers/engineers.

COURSE MODULES
• Electrical and Communication Systems
• Mechanical Systems
• Security & Risk Management
• Managing Facilities
• Sustainable Facility Management

ENGINEERING
SPECIALIST DIPLOMA IN MARINE & OFFSHORE TECHNOLOGY (SDMOT)
1-YEAR PART-TIME COURSE
SCHOOL OF ENGINEERING
The growth in the marine and offshore industry in Singapore is expected to be robust and will continue to require supply of trained manpower. The industry includes ship repair, shipbuilding, rigbuilding and offshore engineering, and other marine supporting services. The course gives participants essential knowledge and skills for a career in the marine and offshore industry.

This course is designed for working professionals or individuals who wish to learn about marine and offshore technology and broaden their employment prospects in the marine and offshore industry. SDMOT can be an alternative to the Bridging Programme, which is mandatory for candidates who have been granted conditional admission to SIT-Newcastle University degree programmes in Marine Technology.

COURSE MODULES
• Fundamentals of Naval Architecture 1
• Fundamentals of Naval Architecture 2
• Introduction to Ship Drawing
• Fundamentals of Marine Engineering
• Introduction to Offshore Engineering
ENGINEERING
ADVANCED DIPLOMA IN INDUSTRIAL ENGINEERING & MANAGEMENT (ADIEM) 18-MONTH PART-TIME COURSE
SCHOOL OF ENGINEERING
This advanced diploma is designed for working professionals or individuals who wish to upgrade themselves with the tools and management skills needed for a career in Industrial Engineering or Quality Engineering and Management.

In general, each module consists of an average of 60 hours of lectures, tutorials and coursework.

COURSE MODULES
- Quality Engineering (Taguchi Methods)
- Total Quality Management
- Productivity and Performance Measurement
- Technology Management
- Engineering Operations Management
- Six Sigma Philosophy
- Operations Research & Project Management
- In-House/Company Project

HEALTH & LIFE SCIENCES
SPECIALIST DIPLOMA IN MOLECULAR BIOTECHNOLOGY (SDMBT) 3-YEAR PART-TIME COURSE
SCHOOL OF LIFE SCIENCES & CHEMICAL TECHNOLOGY
This course is tailored to meet the needs of those who are keen to keep pace with the latest developments in the area of life sciences. It allows participants to re-engineer their careers to meet challenges in the dynamic life science industry.

COURSE MODULES
There are 10 modules offered in this course. The duration of each module is 35 hours (one month). Participants are required to complete four core modules and three modules from Group A or three modules from Group B (or seven modules in total) for the award of SDMBT.

THE CORE MODULES ARE:
- Cell Biology
- Microbiology
- Molecular Biology
- Cell Culture
- Applied Molecular Microbiology
- Advances in Genomics
- Proteomics

HEALTH & LIFE SCIENCES
SPECIALIST DIPLOMA IN PHARMA & BIOPHARMACEUTICAL MANUFACTURING (SDPBM) 1-YEAR PART-TIME COURSE
SCHOOL OF LIFE SCIENCES & CHEMICAL TECHNOLOGY
This specialist diploma provides a unique pathway for students to develop skills and knowledge required for careers in organisations involved in the manufacturing of pharmaceuticals and biopharmaceuticals.

The industrial focus and hands-on training are key elements of the course which will enable participants to re-engineer their skills to meet the challenges of the vibrant biomedical science manufacturing sector.

COURSE MODULES
- Basic Concepts of Biotechnology
- cGMP Compliance
- Upstream Processing
- Downstream Processing
- QC Analytics & Instrumentation
- Validation
- QA & Documentation
HEALTH & LIFE SCIENCES
ADVANCED DIPLOMA IN CRITICAL CARE NURSING (ADCCN)
8-MONTH PART-TIME COURSE

SCHOOL OF HEALTH SCIENCES
This advanced diploma is a Singapore Nursing Board accredited course that provides training in the area of critical care nursing.

It aims to train nurses to improve the standard of care provided to critically-ill patients and their families, to facilitate early and accurate diagnostic assessment, to advance the science of critical care nursing and to support research initiatives.

Participants will be exposed to various technologies relevant to the field such as dialysis, intra-aortic balloon counter pulsation, mechanical ventilation, cardiac monitoring and pacing, implantable pacemaker, and neurological invasive monitoring.

The set-up available at the School of Health Sciences will be an effective learning tool for hands-on management of life-threatening situations in simulated clinical environments with the use of the high fidelity human simulators.

This course is tailored for nurses working in intensive care units, high dependency units and medical - surgical wards who wish to acquire.

COURSE MODULES
• Advanced Nursing Science I & Advanced Nursing Science II
• Advanced Nursing Practice
• Advanced Health Assessment
• Advanced Clinical Pharmacology
• Medical-Legal & Ethical Issues
• Management and Counselling
• Research
• Clinical-On-The-Job-Training (480 hours in local hospitals)

HEALTH & LIFE SCIENCES
ADVANCED DIPLOMA IN NURSING (CHRONIC DISEASE MANAGEMENT) (ADCDM)
8-MONTH PART-TIME COURSE

SCHOOL OF HEALTH SCIENCES
This advanced diploma is a Singapore Nursing Board accredited course that provides training in the area of chronic disease management.

It aims to train nurses to better manage patients using multidisciplinary approach in hospitals, outpatient clinics and other health care institutions. Core modules cover advanced pathophysiology, health assessment, research and education.

This course is tailored for registered nurses with minimum one year post registration clinical experience in all healthcare institutions.

COURSE MODULES
• Advanced Pathophysiology of Chronic Diseases 1 & 2
• Advanced Health Assessment
• Rehabilitation & Wellness
• Health Education & Teaching
• Prevention, Behaviour Modification & Stress Management
• Case Management Resources & Tools
• Medical Informatics & Finance Counselling
• Nursing Research
• Clinical Attachment

HEALTH & LIFE SCIENCES
ADVANCED DIPLOMA IN PERIOPERATIVE NURSING (ADPN)
8-MONTH PART-TIME COURSE

SCHOOL OF HEALTH SCIENCES
Accredited by the Singapore Nursing Board, this advanced diploma aims to provide training in the area of Perioperative Nursing.

With 640 hours of clinical attachments in local hospitals and the use of high fidelity human simulators and operating room set-up on campus, the course is an effective learning platform for participants to have hands-on experience.

COURSE MODULES
• Advanced Pathophysiology
• Nursing Research
• Medico Legal Issues and Counselling
• Fundamentals of Perioperative Nursing
• Health Assessment
• Healthcare Management
• Perioperative Specialist Surgery
• Advanced Perioperative Clinical-On –the-Job Training (640 hours in local hospitals)
LANGUAGE / LIFE SKILLS / ARTS & MEDIA

SPECIALIST DIPLOMA IN
INTERACTIVE NEW MEDIA DESIGN (SDIMD)
1-YEAR PART-TIME COURSE

SCHOOL OF FILM & MEDIA STUDIES

This course is aimed at placing students at the frontier of interactive new media and dynamic digital design. Extending beyond web design, it encompasses the convergence of interactive and digital media technologies to create engaging interactive user experiences in the area of web design, online advertising, marketing emails, mobile device promotion, information kiosk etc.

Designed to achieve a balance of technical skills with an effective creative process, students can apply what they have learnt to solve creative problems in the interactive digital/new media industry.

COURSE MODULES
• New Media Studies
• Introduction to Digital Tools
• Digital Visualisation
• Introduction to Rich Media Content
• Interactive Digital Media Design
• Digital Video Editing and Production
• Interactive Portfolio