

**CREATING
A SUSTAINABLE
FUTURE**

- Architecture (S66)
- Civil Engineering with Business (S68)
- Environmental Management & Water Technology (S52)
- Hotel & Leisure Facilities Management (S95)
- Integrated Events & Project Management (S50)
- Landscape Architecture (S94)





CREATING A SUSTAINABLE FUTURE

The School of Architecture and the Built Environment is the most established school in Singapore dedicated to the training of professionals in the built environment.

Why

ABE?

We are the only school that offers a comprehensive range of built environment programmes, from architecture to events management.

Our hands-on diploma courses incorporate design, technology and media, hence allowing you to propel imaginative ideas into reality. The lectures and tutorials are conducted with great flexibility and freedom. The curriculum is explorative, unconventional and creativity-driven, allowing you to acquire a strong foundation in the professional practices of the built environment. Your experiential learning is conducted in excellent laboratory facilities and design studios.

The learning journey goes beyond our shores. In 2011, ABE students went to Stanford University in USA for a study trip, and a batch of Architecture students went to Italy for a real look at building designs there.

So, are you ready to transform your living space and turn it into a sustainable environment?



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



The Diploma in Architecture 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 Architecture

(DARCH – S66)

Whether it's the Skypark at Marina Bay Sands or the grand ole Eiffel Tower, you are constantly awed by iconic buildings. Are you harbouring a secret dream to design a building that people will talk about?

The Diploma in Architecture (DARCH) adopts a project-based learning approach to develop in you investigative, analytical and open-minded thinking skills. It is a design-cum-technical programme where you will explore and discover your talent in architectural design using the latest building technology.

After three years, you will be ready to showcase your designs to the public.



Our uSPs

You will learn to integrate architectural design theories and technology, and develop critical and creative thinking in design studios. Site visits, projects and competitions will enhance your skills beyond classroom learning. You can also take part in an Overseas Immersion Programme in Beijing or the Student Exchange Programme with the University of Hongkong to widen your career horizon in architecture.

Scholarships available

- BCA-Industry Scholarship / Sponsorship
- School of Architecture & the Built Environment Scholarship

Entry Requirements

Aggregate Type: ELR2B2-D

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 7
c) Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

- Art / Art & Design
- Biology
- Chemistry
- Computer Studies
- Creative 3D Animation
- Design & Technology
- Food & Nutrition
- Fundamentals of Electronics
- Higher Art
- Media Studies (Chinese)
- Media Studies (English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

M Course Modules

The Diploma in Architecture is a three-year full-time programme.
Core modules are mainly year-long with 100% in-course assessment.

FIRST YEAR

- Architectural Design Studio I
- Computer-Aided Design & Presentation
- Environmental Science I
- History & Theory of Architecture I
- Materials & Architectural Technology I
- Oral Communication
- Report Writing & Presentation
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Architectural Design Studio II
- Architectural Practice
- Communication Skills for Work
- Environmental Science II
- History & Theory of Architecture II
- Materials & Architectural Technology II
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Architectural Design Studio III
- Environmental Science III
- Elective I
- Elective II
- Internship Programme (12 weeks)
- Materials & Architectural Technology III
- Electives**
- Active, Beautiful, Clean Water Design
- Advanced Computer – Aided Design & Presentation
- Detailing for Sustainable Design in Architecture & Landscape

Bright Future

You will work in an architectural firm, perhaps starting off as an architectural assistant. You will be able to assist the principal architect to make building models or produce computer illustrations. If you have a way with words, you can help the firm to clinch architectural projects in a marketing position.

Further Studies

Why not get a degree? Our students receive scholarships by organisations like Urban Redevelopment Authority to study architecture at the National University of Singapore. Our graduates have also made it to Architecture Association in United Kingdom, the oldest and most established university in Europe specialising in architecture. With your SP diploma, you will get module exemptions and advanced standing in foreign universities.

Believe

“Part of building a strong foundation is broadening one’s knowledge and understanding people, life, and self through experiencing different environments and interacting with people. This was achieved through integrated programmes like industrial training programme, field trips and numerous design competitions. The course definitely equipped me well with the latest design tools and software, allowing me to explore different means to express design ideas effectively.”

– *Quak Chun Ming, Class of 2010 from DARCH*



Diploma in Civil Engineering with Business (DCEB – S68)

A successful engineer should also possess good business sense. The Diploma in Civil Engineering with Business (DCEB) is a broad-based course that covers a wide field of study. It provides you with training in civil engineering within the context of a business environment.



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)

Our uSPs

The diploma is conducted within the Conceive-Design-Implement-Operate (CDIO) framework that prepares you to be work, life and world ready. The extensive modules allow you to be exempted from Part 1 of the Engineering Council (UK) Examinations.

You will learn beyond the classrooms and take part in competitions and community service projects that include overseas attachments, study trips and humanitarian missions.

With both technical skills and strong business fundamentals, you will have a competitive edge over other traditional engineers.

Scholarships available

- SP Engineering Scholarship
- School of Architecture & the Built Environment Scholarship
- Yongnam Scholarship
- Singapore Structural Steel Society Scholarship
- SCAL Scholarship
- BCA - Industry Scholarship / Sponsorship

M Course Modules

DCEB is a three-year full-time programme.

There are three business-related modules that open the way for graduates to diversify into businesses in civil engineering and building.

FIRST YEAR

- Basic Mathematics
- CAD with Building Information Modeling (BIM)
- Communication Skills
- Economics
- Engineering Mathematics 1
- Hydrology & Hydraulics
- Geomatics 1 & GIS
- Introduction to Civil Engineering & Building
- Structural Mechanics
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Accounts & Finance
- Communication Skills for Work
- Civil Engineering Construction & Measurement
- Civil Engineering Project 1
- Engineering Mathematics 2
- Geomatics 2 & GPS
- Geotechnical Engineering
- Reinforced Concrete Design & CAD
- Safety, Health & Environmental Management
- Structural Analysis
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Civil Engineering Project 2
 - Civil Engineering Technology
 - Civil Engineering Project Management
 - Elective 3.1
 - Elective 3.2
 - Entrepreneurship
 - Internship Programme
 - Steel Design & CAD
 - Structural BIM e-Submission
 - Transportation Engineering
 - Water Technology
 - Higher Mathematics
 - Introduction to Psychology
- Elective 3.2
- ABC Waters Design
 - Computer Programming with Applications in Engineering
 - Structural Inspection & Repair
- Electives**
- Elective 3.1
 - Green Building Technology

Bright Future

It's a new chapter of life after DCEB. Your diploma will open the door to a variety of career options and opportunities in the ever booming building and construction industry such as Assistant Project Manager; Assistant Structural Designer / Draughtsperson; Construction Supervisor; Sub-Contractor Supervisor; Building Site Safety Supervisor; Resident Technical Officer; Marketing Sales Executive.

Further Studies

With your SP diploma, you can gain direct entry into the second year of civil engineering degree course at the Nanyang Technological University and National University of Singapore. Or you can pursue a degree in Construction Management at SIM or a related degree in two years from Australian and British universities.

Believe

“SP provides a platform for individuals to explore and discover their own interests. DCEB has not only offered me an excellent learning environment, but also equipped me with a variety of hands-on skills. Furthermore, DCEB lecturers and lab technicians are both friendly and approachable. As a result of the learning experience gained at SP, DCEB graduates can easily adapt to a new working environment. There is no doubt that the DCEB course has given me a solid engineering foundation, that further prepared myself in pursuing my engineering dream at the Massachusetts Institute of Technology.”

– Cheong Mun Ngah, Class of 2008 from DCEB, now pursuing a Bachelor in Civil Engineering degree at the Massachusetts Institute of Technology.



Diploma in Environmental Management & Water Technology (DEWT – S52)

The Diploma in Environmental Management and Water Technology (DEWT) is one of the most multi-disciplinary programmes offered in SP and is designed to prepare you for a career in a cross-disciplinary environment.

SP launched this diploma course in response to the projected high demand for trained professionals in this industry. By 2015, the industry is expected to triple to \$1.7 billion, with jobs doubling to 11,000.

Our uSPs

The emphasis of this diploma course is on environment management and water technology. To enhance the learning process, our students are exposed to a problem-based learning strategy to be applied to Active, Beautiful and Clean (ABC) waters design.

There will be extensive out-of-classroom learning such as overseas trips and participation in competitions and conferences. We will cultivate in you a global mindset with overseas exposure.

Scholarships available

- PUB Scholarship
- BCA-Industry Scholarship / Sponsorship
- School of Architecture & the Built Environment Scholarship



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	
• Physics	
• Science (Chemistry, Biology)	
• Science (Physics, Biology)	
• Science (Physics, Chemistry)	

M Course Modules

DEWT is a three-year full-time programme.

FIRST YEAR

- Air Pollution Control
- Analytical and Physical Chemistry
- Basic Mathematics
- Communication Skills
- Electrical Technology
- Engineering Mathematics I
- Hydrology & Hydraulics
- Introduction to Environmental Engineering with CAD
- Soil Science
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Basic Structures
- Civil Engineering Construction & Measurement
- Engineering Mathematics 2
- Environmental Project 1
- Industrial Noise and Vibration Control
- Solid & Hazardous Waste Management
- Sustainable and Clean Energy
- Water Reclamation Technology
- Water Supply
- Workplace Safety, Health & Environment
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- ABC Waters Design
- Communication Skills for Work
- Computer Programming with Applications in Environmental Engineering
- Elective
- Environmental Management System
- Environmental Microbiology
- Environmental Project 2
- Instrumentation & Control
- Internship Programme
- Membrane Separation Processes
- Project Management
- **Elective**
- Entrepreneurship
- Green Building Technology
- Higher Mathematics

Bright Future

You will build a career with the public or private sectors in areas such as water and wastewater reclamation, membrane technologies and desalination, waste reclamation and environmental remediation. Job openings include Environmental Technologist; Engineering Assistant; Research Assistant; Water and Wastewater Treatment Specialist; Workplace Health and Safety Auditor; Marketing Executive

Further Studies

You can gain direct entry to the second year of environmental or civil engineering degree programmes at Nanyang Technological University or National University of Singapore. Or you can pursue a related degree in two years from Australian and British universities.

Believe

“The DEWT course is not just about attending lectures and completing tutorials day after day. It’s filled with site visits and overseas study trips that provided me with a better understanding and an appreciation for what I’m learning. There were many opportunities available for me to excel beyond my academics. One such example is the Overseas Service Learning Project in Indonesia, where I was able to apply what I learned into practice. I represented Singapore with this project in an international social entrepreneurship competition in Berlin.

– *Lim Renhui, Class of 2010 from DEWT, and recipient of the PUB Scholarship.*

Diploma in otel & Leisure Facilities Management (DHLFM – S95)

The Diploma in Hotel & Leisure Facilities Management (DHLFM) is the first of its kind that offers a unique blend of both the soft skills of hotel management and the technical skills of facilities management of hotels, resorts, commercial buildings, hospitals and other properties. You can choose to specialise in either Hotel & Leisure Management or Property Facilities Management in your final year.

Whether your passion is in working with people or in managing multi-million dollar property investments, there's something in this course for you! Besides the diploma, you will also be awarded the Fire Safety Manager Certificate.





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

- Art / Art & Design *
- Biology
- Chemistry
- Design & Technology
- Higher Art *
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Note:

* To be eligible for admission, you must also have sat for one of the following subjects:

- Biology
- Chemistry
- Computer Studies
- Creative 3D Animation
- Design & Technology
- Food & Nutrition
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Our uSPs

There will be an authentic learning experience via activities such as real-life training in hotels, overseas study trips, and involvement in mega events like the Formula 1 Singapore Grand Prix. There will also be a one-semester long internship programme with reputable organisations that will give you the additional hands-on experience.

Scholarships available

- Hilton Hotel Scholarship
- Fonda Global Engineering Pte Ltd Scholarship
- School of Architecture & the Built Environment Scholarship
- Millennium & Copthorne Scholarship
- Savills CKH Scholarship
- BCA-Industry Scholarship / Sponsorship

M Course Modules

DHLFM is a three-year full-time programme.

FIRST YEAR

- Introduction to Hotel & Leisure Facilities Management
- Economics
- Food & Beverage Operations
- Front Office Management
- IT Applications
- Law
- Building Services I
- Communication Skills
- Principles of Management
- Structure & Fabric
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Accounts & Finance
- Building Services II
- Building Maintenance Technology
- Customer Relationship Management
- Event & Venue Management
- Environmental Management & Sustainability
- Fire Safety Management
- Leisure Amenities Management
- Property Maintenance Management
- Public Relations
- Rooms Division Operations & Management
- Safety, Health & Security
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- **Hotel & Leisure Management Option**
- Communication Skills for Work
- Hotel Operations & Management
- Internship Programme
- IT For Hotel & Leisure Management
- Principles of Marketing
- Procurement
- Travel & Leisure Management
- **Property Facilities Management Option**
- Building & Refurbishment
- Communication Skills for Work
- Facilities Management
- Internship Programme
- IT For Property Facilities Management
- Maintenance of Building Services
- Property Management

Bright Future

For starters, lucrative and interesting openings are available in hotels, integrated resorts, clubs, leisure industry, commercial and industrial properties, private housing, hospitals, and even cruise liners. Job options include Hotel Facilities Manager; Front Office Manager; Rooms Division Manager; Conference Sales Executive; Catering Sales Manager; Operations & Logistics Manager; Property Facilities Manager; Contracts Manager; Property Executive.

Further Studies

You can gain direct access into related degree courses in local or overseas universities. You will be given generous advanced standing by universities in Australia, Switzerland and United Kingdom.

“In this short one year, I have gained a lot of knowledge through lectures, very practical assignments, visits to top hotels in Singapore and overseas study trips. I look forward to the exciting internship in the final year where we get a chance to be attached to renowned hotels like Marina Bay Sands, Resorts World (local and overseas), and other five-star hotels. I am excited about the prospect of becoming a part of the vibrant hotel industry.”

- Kamini d/o Manivannan, first-year DHLFM Student





Diploma in Integrated Events & Project Management (DEPM – S50)

It's never a dull day in the life of an event or project manager. The Diploma in Integrated Events & Project Management (DEPM) course trains you to be a professional in the rapidly growing events management industry which grossed more than \$3 billion in revenue in recent years.

Our uSPs

Besides learning event management, business management and technical skills, you will go through an industry-linked learning that includes planning and managing school events in the first year; working on industry-linked projects during the second year; and a 22-week internship during your third year. We have very strong industry collaboration where you will conceptualise, plan and manage real events. Successful recent events in the past include the Shell Heritage Centre, Anti-Drug Abuse Campaign and Sinema Showoff.

There are also site visits and overseas trips to give you a broad-based training. Interesting modules such as business and management, science and technology, humanities and social sciences will further broaden your knowledge.



Scholarships available

- BCA-Industry Scholarship / Sponsorship
- School of Architecture & the Built Environment Scholarship

Entry Requirements

Aggregate Type: ELR2B2-C

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 6
c) Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

- Biology
- Chemistry
- Computer Studies
- Creative 3D Animation
- Design & Technology
- Food & Nutrition
- Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

M Course Modules

DEPM is a three-year full-time programme.

FIRST YEAR

- Audio Visual Systems
- Design, Drawings & CADD
- Economics
- Event Materials & Decoration
- Events Experience
- Event Management Communications
- Event Creation & Market Research
- Food & Beverages
- IT Applications for Events I
- Law I
- Principles of Management
- Principles of Marketing
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Accounts & Finance
- Engineering Services & Coordination
- Environmental Safety & Health
- Event Facilities Construction
- Integrated Project (Year Long)
- Law II
- Logistics & Site Operations
- MICE Management
- Project Management
- Public Relations
- Resource Procurement & Negotiation
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Communication Skills for Work
- Cross Cultural Studies
- Event Budgeting & Control
- Entrepreneurship
- Internship Programme
- IT Applications for Events II
- Venue & Space Management

Bright Future

There are exciting employment opportunities in the growing MICE (Meeting, Incentive, Convention and Exhibition) and events sector that encompasses both government organisations and private companies. Your career options include Event or Project Executive; Event Marketing & Sales Executive; Event Concept Planner; Venue & Facilities Manager; Operation & Logistics Manager.

Further Studies

You can gain entry to a relevant degree course in local and overseas universities. One of our recent top students is now pursuing a degree in Psychology (Honours) at the Nanyang Technological University.

Believe

“The DEPM course is certainly more than an academic discipline. The holistic education offered made me feel that attending classes was not at all mundane. In fact, as DEPM students, we were constantly encouraged to think out of the box in the various assignments and projects given to us. Apart from that, we were exposed to a vast array of events and given opportunities to experience conceptualising and planning of an event. Therefore being in the DEPM course has equipped me with a good mix of the practical skills and theoretical knowledge required to cope with the dynamic nature of the events industry.”

– *Jeremy Lim, Class of 2011 from DEPM.*



Diploma in andscape Architecture (DLA – S94)

Landscape architects give our environment a fresh perspective. It's a design discipline that is concerned with the quality of our surrounding. The Diploma in Landscape Architecture (DLA) course trains you to become a landscape designer who will transform our world into a garden city.



Our uSPs

You will go through dynamic project-based learning to develop investigative, analytical and open-minded thinking skills and apply them to landscape designs. Personalised consultations with tutors in design studios will guide you through your designs.

A three-month internship with key players like the National Parks and private companies will equip you with hands-on skills, in addition to other out-of-classroom activities such as seminars, overseas trips, workshops and competitions.

A collaborative learning approach that allows you to learn about other disciplines such as water technology and architecture.

Scholarships available

- Singapore Garden Society Scholarship
- BCA-Industry Scholarship / Sponsorship
- School of Architecture & the Built Environment Scholarship

Entry Requirements

Aggregate Type: ELR2B2-D

Subject	Grade
a) English Language	1 - 7
b) Mathematics (Elementary/Additional)	1 - 7
c) Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

- Art / Art & Design
- Biology
- Chemistry
- Computer Studies
- Creative 3D Animation
- Design & Technology
- Food & Nutrition
- Fundamentals of Electronics
- Higher Art
- Media Studies (Chinese)
- Media Studies (English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

M Course Modules

DLA is a three-year full-time programme.

Core modules are mainly year-long with 100% in-course assessment.

FIRST YEAR

- Environmental Systems & Processes
- History & Theory of Landscape Design I
- Landscape Design Studio I
- Oral Communication
- Plants & Landscape Technology
- Report Writing & Presentation
- Critical Reasoning and Argumentation
- Critical Reasoning and Persuasion

SECOND YEAR

- Computer-Aided Design & Presentation
- Communication Skills for Work
- History & Theory of Landscape Design II
- Landscape Design Studio II
- Plants & Sky-rise Technology
- Project Management in Landscape Architecture I
- Social Innovation Project
- Independent Study Project and Presentation

THIRD YEAR

- Elective I
- Elective II
- Internship Programme (12 weeks)
- Landscape Design Studio III
- Plants & Site Planning
- Urban Environment & Society
- Project Management in Landscape Architecture II
- Option for Electives**
- Active, Beautiful, Clean Water Design Guidelines
- Advanced Computer-Aided Design & Presentation
- Detailing for Sustainable Design in Architecture & Landscape

Bright Future

Exciting career opportunities are open to DLA graduates with organisations such as the National Parks Board, Wildlife Reserve, Housing and Development Board and private property development companies. Your career options include Landscape Architect Assistant; Landscape Designer; Landscape Contractor; Parks & Recreation Officer; Town Council Estate Officer; Landscape Product Specialists.

Further Studies

You can gain direct entry into first or second year of architectural or landscape degree courses at local and overseas universities.

Believe

“I dreaded my first few weeks of work because of the different environment between school life and the real world. CAD, deadlines (overtime), meetings, and all - but now I can confidently say that the training given by SP has prepared me for this challenging and rewarding career. I get to design million-dollar projects, be responsible for the redevelopment of hectares of land in overseas projects.”

– *Mr Tuson Chong Fatt Kwang, Class of 2007 from DLA.*

For further information regarding entry requirements, courses and careers please contact:

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WITH SP, IT'S SO POSSIBLE.

Produced by

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