



CIVIL ENGINEERING MECHANICAL & ELECTRICAL ENGINEERING



Counseling Area



Typical Classroom



Computer Laboratory



Library

ABOUT

SSTC Institute is a premium private education institution established since 1978. As testimony to our commitment to quality education and academic excellence, we have been awarded the **4-year EduTrust Certification** by the Committee for Private Education (CPE) of the Ministry of Education, Singapore.

Our City Campus at City Square Mall with a direct underground connection to **Farrer Park MRT Station (NE8)**, makes it very convenient for students to travel to their place of study from most parts of Singapore. The campus has 18 well-equipped modern classrooms and include other facilities like library, science laboratory, computer laboratory, auditorium and student lounge that provide a highly conducive learning environment for the students.

A qualified and dedicated team of full-time and part-time lecturers, always ready to impart their insights and experiences, form the academic faculty. An Academic and Examination Board ensures the quality and standards of our academic processes are maintained.

VISION

Our vision is to be a leading institute recognised for quality education.

MISSION

Empowering YOU to succeed:

- through continuous improvements
- providing quality education for meaningful careers
- rendering pastoral guidance for holistic development
- offering service excellence
- ensuring financial sustainability and reputation
- establishing and maintaining reputable partnerships.

MECHANICAL & ELECTRICAL ENGINEERING

Qualifications awarded by SSTC Institute

These courses equip learners with fundamental knowledge required for higher learning in the mechanical and electrical engineering discipline.

ENTRY REQUIREMENTS

- Minimum 3 'O' Level/equivalent qualifications, including English & any 2 Science subjects; or
- International secondary level qualifications with English, Mathematics and Science; or
- Candidates with Professional Certificate in Engineering Foundation from SSTC Institute; or
- Candidates with Diploma in M&E Engineering from SSTC Institute (will be given exemptions from 6 Adv. Diploma modules); or
- Mature-aged students with more than 3 years of relevant working experience will be considered; or
- Diplomas from other institutions will be considered on a case-by-case basis.



DIPLOMA IN MECHANICAL & ELECTRICAL ENGINEERING

COURSE CONTENT

MODULE CODE	MODULE TITLE
ENGME101	Analytical Mathematics
ENGME102	Principles of Engineering (Mechanical & Electrical)
ENGME103	Engineering Design
ENGME104	Electrical Machines
ENGME105	Mechatronics Systems
ENGME106	Workplace Safety and Risk Assessment
ENGME107	Basics of AutoCAD
ENGME108	Manufacturing

GRADUATION & ATTENDANCE REQUIREMENTS

Students must PASS all 8 modules and have a minimum attendance of 75%.

SKILLSFUTURE CREDIT funding is available for eligible Singaporeans.

DURATION

12 months

PROGRAMME MODE

Part Time

GUIDED LEARNING HOURS

8 hours per week

PROGRAMME FEES

Course Fee	\$ 3,880.00
Administrative Fee	\$ 150.00
FPS	\$ 50.38
Application Fee*	\$ 150.00
GST	\$ 296.13
TOTAL**	\$ 4,526.51

*Non-refundable

** Instalment plan available

ADVANCED DIPLOMA IN MECHANICAL & ELECTRICAL ENGINEERING

COURSE CONTENT

MODULE CODE	MODULE TITLE
ENGME101	Analytical Mathematics
ENGME102	Principles of Engineering (Mechanical & Electrical)
ENGME103	Engineering Design
ENGME104	Electrical Machines
ENGME105	Mechatronics Systems
ENGME106	Workplace Safety and Risk Assessment
ENGME201	Computer Aided Design and Manufacturing
ENGME202	Fluid Mechanics
ENGME203	Circuit Analysis and Design
ENGME204	Strength of Materials
ENGME205	Project Cycle
ENGME206	Project

GRADUATION & ATTENDANCE REQUIREMENTS

Students must PASS all 12 modules and have a minimum attendance of 75%.

DURATION

18 months

PROGRAMME MODE

Part Time

GUIDED LEARNING HOURS

8 hours per week

PROGRAMME FEES

Course Fee	\$ 6,925.00
Administrative Fee	\$ 250.00
FPS	\$ 89.69
Application Fee*	\$ 150.00
GST	\$ 519.03
TOTAL**	\$ 7,933.72

*Non-refundable

** Instalment plan available

CIVIL ENGINEERING

Qualifications awarded by SSTC Institute



These courses equip learners with the fundamental knowledge required for higher learning in the Civil Engineering discipline.

ENTRY REQUIREMENTS

- » Minimum 3 'O' Level/equivalent qualifications, including English & any 2 Science subjects; or
- » International secondary level qualifications with English, Mathematics and Science; or
- » Candidates with Professional Certificate in Engineering Foundation from SSTC Institute; or
- » Candidates with Diploma in Civil Engineering from SSTC Institute (will be given exemptions from 8 Adv. Diploma modules); or
- » Mature-aged students with more than 3 years of relevant working experience will be considered; or
- » Diplomas from other institutions will be considered on a case-by-case basis.

DIPLOMA IN CIVIL ENGINEERING

DURATION

12 months

PROGRAMME MODE

Part Time

GUIDED LEARNING HOURS

8 hours per week

PROGRAMME FEES

Course Fee	\$ 3,880.00
Administrative Fee	\$ 150.00
FPS	\$ 50.38
Application Fee*	\$ 150.00
GST	\$ 296.13
TOTAL**	\$ 4,526.51

* Non-refundable

** Instalment plan available

COURSE CONTENT

ENGCE101	Engineering Mathematics
ENGCE102	Engineering Science
ENGCE103	Engineering Drawing
ENGCE104	Soil Mechanics and Foundation Engineering
ENGCE105	Site Surveying
ENGCE106	Civil Engineering Design and Construction Material
ENGCE107	Estimation and Costing
ENGCE108	Civil Engineering Technology

GRADUATION & ATTENDANCE REQUIREMENTS

Students must PASS all 8 modules and have a minimum attendance of 75%.

SKILLSFUTURE CREDIT funding is available for eligible Singaporeans.

ADVANCED DIPLOMA IN CIVIL ENGINEERING

DURATION

24 months

PROGRAMME MODE

Part Time

GUIDED LEARNING HOURS

8 hours per week

PROGRAMME FEES

Course Fee	\$ 6,925.00
Administrative Fee	\$ 250.00
FPS	\$ 89.69
Application Fee*	\$ 150.00
GST	\$ 519.03
TOTAL**	\$ 7,933.72

* Non-refundable

** Instalment plan available

GRADUATION & ATTENDANCE REQUIREMENTS

Students must PASS all 16 modules and have a minimum attendance of 75%.

COURSE CONTENT

ENGCE101	Engineering Mathematics
ENGCE102	Engineering Science
ENGCE103	Engineering Drawing
ENGCE104	Soil Mechanics and Foundation Engineering
ENGCE105	Site Surveying
ENGCE106	Civil Engineering Design and Construction Material
ENGCE107	Estimation and Costing
ENGCE108	Civil Engineering Technology
ENGCE201	Construction Contracts and Procurement Route
ENGCE202	Elements of Reinforced Cement Concrete and Structural Design
ENGCE203	Computer Aided Design Application in Construction
ENGCE204	Sustainable Environment for Civil Engineers
ENGCE205	Irrigation Engineering
ENGCE206	Advanced Civil Engineering Technology
ENGCE207	Use of IT in Construction
ENGCE208	Group Project