

ALTERNATIVE <PATHWAYS>

for LICENSED ELECTRICAL WORKERS

LICENSED ELECTRICIAN PREPARATORY COURSE [Course Code: ENO32]

LEARNING OUTCOMES

The Licensed Electrician Preparatory Course will equip participants with the necessary theoretical foundation and practical application skills to carry out the work of a Licensed Electrician.

PRE-REQUISITES

Applicants are required to have at least:

- 5 years of relevant practical work experience; and
- GCE "N" Level with pass in English and Mathematics or Workplace Literacy and Numeracy (WPLN) Level 5

The course is optional for applicants with:

- NITEC in Electrical Engineering and at least 2 years of relevant practical work experience; or
- At least 10 years of relevant practical work experience

COURSE CONTENTS

Theoretical Foundation

Conducted by Singapore Polytechnic/Ngee Ann Polytechnic

No.	Description	Hours	Total
Module 1: Electrical Principles			
1.1	Basic Principles of Electricity	5	35
1.2	AC Circuits	15	
1.3	Basics of Three Phase AC Circuits	15	
1.4	Written Assessment 1	2	2
Module 2: Electrical Installation Design			
2.1	Statutory Act and Regulations	5	49
2.2	Protective Devices and Cables	13	
2.3	Protection Against Electric Shock	15	
2.4	Electrical System Design	7	
2.5	Temporary Electrical Installation	9	
2.6	Written Assessment 2	2	2
Module 3: Testing and Maintenance of Electrical Systems			
3.1	Testing of Switchboards	9	28
3.2	Maintenance of Switchboards	6	
3.3	Standby Generators	6	
3.4	Photovoltaic System	7	
3.5	Written Assessment 3	2	2
		Total	118

Practical Application
Conducted by Singapore Institute of Power and Gas

No.	Description	Hours	Total
Module 4: Safety and Connection Process			
4.1	Safety & Licensing Requirements	3.5	8
4.2	The Supply Connection Process	3.5	
4.3	Assessment	1.0	
Module 5: Electrical Installation Less than 45kVA			
5.1	Practical Design of Small Electrical Installation	10.5	15
5.2	Generator Supply for Small Electrical Installation	3.5	
5.3	Assessment	1.0	
Module 6: Inspection and Testing			
6.1	Safety Requirements and Tools for Inspection and Testing	7.0	15
6.2	Practical Inspection and Testing of Small Installation	7.0	
6.3	Assessment	1.0	
		Total	38

ASSESSMENT

For modules conducted by SP/NP, a written assessment will be conducted upon completion of each module. For modules conducted by SIPG, a practical assessment will be conducted upon completion of each module.

COURSE TIMING

The course will be conducted during weekday evenings (6.30pm – 10.00pm) and Saturdays (8.30am – 6.00pm).

CERTIFICATE

Participants who have successfully pass all theoretical and practical modules will be awarded a Certificate of Achievement jointly issued by SIPG and SP/NP.

EMA LICENSING COMPETENCY ASSESSMENT

The “Certificate of Achievement” is required by EMA for participants without the relevant educational qualification. Participants are required to ensure that they satisfy the relevant work experience and pass the “EMA Licensing Competency Assessment” to qualify for an Electrician’s License.

Please refer to EMA website for more information on application for Electrician License :

https://elise.ema.gov.sg/elise/newworkerapplicationservlet?lic_type=EL

COURSE FEE

	Full Course Fee	Nett Fee after Subsidy		
		Singapore Citizens and Permanent Residents <40 years old	Singapore Citizens and Permanent Residents ≥ 40 years old	Workfare Training Support (WTS)
Without GST	\$8,380.00	\$2,514.00	\$838.00	\$419.00
With GST	\$8,966.60	\$2,689.98	\$1,013.98	\$594.98

COURSE SCHEDULE

Jan 18 Intake				
Modules	Start Date	End date	Assessment Date	Location
1	21 Jan 2019	20 Feb 2019	27 Feb 2019	Singapore Polytechnic
2	4 Mar 2019	17 Apr 2019	24 Apr 2019	
3	29 Apr 2019	22 May 2019	29 May 2019	
4	4 May 2019	4 May 2019	4 May 2019	Singapore Institute of Power and Gas
5	11 May 2019	18 May 2019	18 May 2019	
6	25 May 2019	1 Jun 2019	8 Jun 2019	

SIPG reserves the rights to amend any details relating to the course without prior notice.
 For enquiries, contact SIPG at training-institute@spgroup.com.sg or 6916 7930

This page is intentionally left blank

PART C: PRE-REQUISITES

1. Please indicate your relevant **practical work experience**:

Employer Name	Position Held	Year of Joining	Year of Leaving

2. Please indicate your **educational qualifications**:

Qualification Title	Name of Institute	Year Completed

Please attach **relevant supporting documents** (copy of NRIC, Employment Letter, Certificates, Workfare Training Scheme Letter, etc.)

PART D: DECLARATION

By submitting this registration form:

- I hereby declare that all information given is true and accurate;
- I acknowledge that SIPG shall not be responsible should EMA rejects my application for licensing; and
- I agree to the terms and conditions stated below.

(i) For Self-Sponsored Application

(ii) For Company-Sponsored Application

Name:

Name of Authorised Personnel:

Signature:

Signature:

Date:

Date:

Company Stamp

PART E: PERSONAL DATA PROTECTION ACT

I/We acknowledge and agree that SIPG may collect, use and disclose to any third party any and all particulars relating to my/our personal information for the purposes of

- (i) providing the requested services in respect of the course(s),
- (ii) billing and account management (including debt collection or recovery);
- (iii) conducting surveys or obtaining feedback;
- (iv) informing me/us of services and offers by SIPG, its related entities and business affiliates (unless I/we duly inform you otherwise); and
- (v) complying with all applicable laws and regulations, and business requirements.

Name:

Signature:

Date:

TERMS AND CONDITIONS:

- 1) The company and individual applicant has read and understood the terms of the course information and registration form.
- 2) The information collected on this form is used for course registration, account servicing of course-related activities and/or for application of course-related funding to appropriate funding agencies.
- 3) This registration form must be submitted to SIPG at least 4 weeks before course commencement.
- 4) Payment must be made to SIPG before course commencement.
- 5) SIPG reserves the right to amend any details relating to the course without any prior notice.
- 6) Request for withdrawal must be made in writing and are subject to approval by SIPG.
 - >5 working days before course commencement : 100% refund;
 - 3-5 working days before course commencement : 50% refund of fee paid;
 - Less than 3 working days before course commencement : no refund.
- 7) Request for transfer/replacement must be made in writing at least 5 working days before course commencement and is subject to approval by SIPG. SIPG reserves the right to impose an administration fee for such requests.
- 8) Trainee shall be bound by the terms and conditions of any applicable funding scheme as approved by SIPG.
- 9) In the event that the trainee fails to meet any of the requirements set under the funding scheme or has been granted funding for the same course before, thereby resulting that his/her funding application is rejected, the trainee is liable to pay the balance of the full course fee to SIPG.
- 10) Photographs of trainees may be taken at the event for SIPG's marketing materials and other publications.