

# DIPLOMA IN ENGINEERING (ELECTRICAL & ELECTRONICS)

**PROGRAMME TYPE: Part-Time Diploma + Work-Study Certificate**

**VENUE: Republic Polytechnic (Woodlands)**

This programme provides you with a strong foundation in Electrical and Electronic (EE) Engineering, preparing you for the diverse and dynamic EE industry. This programme offers two specialisation tracks in the fields of Microelectronics and Electronic Communications - both are highly valued sectors in the EE industry, with a strong demand for skilled and trained EE professionals.

For participants who opt for the Work-Study Certificate (WSCert), you will enjoy additional benefits such as sign-on incentive with full-time employment, assigned company mentor, well-structured training, and career advancement opportunities. Upon completion of the WSCert, you have the option to continue your study for the award of a Diploma in Engineering (Electrical & Electronics).

## COURSE STRUCTURE

### PART-TIME DIPLOMA

#### 5 MODULAR CERTIFICATES (MCs)

- Electrical Circuits
- Analogue Electronics and Applications
- Digital Electronics and Applications
- Microcontroller and Applications
- Electronic Communications (Elective 1) OR Microelectronics (Elective 2)

The programme includes self-learning hours in the form of e-learning, assessments, case studies, and revision.

### WSCERT

#### THE WSCERT CONSISTS OF SIX MODULES

- Analogue Electronics
- Data Acquisition and Sensors
- Linear IC Applications
- Wafer Fabrication and Packaging
- Measurement Techniques and Failure Analysis
- Thin Film Technology

## CAREER OPPORTUNITIES

**Assistant Equipment Engineer | Assistant Facility Engineer | Assistant Integration Engineer  
| Assistant Process Engineer | Assistant Product Engineer | Assistant Quality Engineer**



## ENTRY REQUIREMENT

### PART-TIME DIPLOMA

Applicants should possess one of the following combinations of qualification and work experience:

- 3 GCE O-Level passes including English, Science, and one relevant subject with at least three years of relevant work experience
- NITEC (GPA 3.5 and above) with at least two years of relevant work experience
- Higher NITEC with at least one year of relevant work experience
- Relevant WSQ Diploma with at least three years of relevant work experience

If you do not meet the entry requirements, you may be considered for admission to the course based on evidence of at least five years of relevant working experience or supporting evidence of competency readiness. For shortlisted applicants, you may have to go through an interview and/or entrance test.



Scan the QR Code  
to find out more about the course

### WSCERT

Applicants (Singapore Citizens or Permanent Residents) who want to pursue the course under WSCert must be either:

- ITE graduates from relevant courses (within three years of graduation or completion of National Service) who are selected for hiring by WSCert-participating companies:
  - NITEC (min. GPA 2.0) graduates
  - Higher NITEC graduates;

OR

- Current employees who have graduated for more than three years but within five years from the date of graduation or completion of National Service

Admission will be reviewed and approved on a case-by-case basis.



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