

Programme Regulations: 2026/27

Programme Titles:

Degree of Master of Science in Microelectronics: Systems and Devices - Code: 5393F

Degree of Master of Science in Electronic Engineering – Code 5468F*

Notes:

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years, and they are listed subject to availability.*
- (iii) *A compulsory module is a module which a student must take.*
- (iv) *Degree of Master of Science in Electronic Engineering - Code: 5468F, is a non-accredited Masters degree title awarded where a candidate only meets the requirements of the University's Taught Programme Regulations and not the requirements of accreditation.*

1. Programme structure

- (a) The programme is available for study in full-time mode only.
- (b) The period of study for full-time mode shall be 1 year starting in September.
- (c) The programme comprises modules to a credit value of 180.
- (d) All candidates shall take the following compulsory modules:

| Code | Descriptive title | Total Credits | Credits Sem 1 | Credits Sem 2 | Credits Sem 3 | Core for PSRB Accreditation | Core for outcomes | Level | Type |
|---------|---|---------------|---------------|---------------|---------------|-----------------------------|-------------------|-------|-------|
| EEE8087 | Real Time Embedded Systems | 20 | 20 | | | | | 7 | Block |
| EEE8097 | Individual Project | 60 | | 10 | 50 | | | 7 | |
| EEE8123 | Advanced Electronic Devices | 20 | 20 | | | | | 7 | Block |
| EEE8124 | Low-Power VLSI Design | 20 | | 20 | | | | 7 | Block |
| EEE8125 | Advanced Device Fabrication | 20 | | 20 | | | | 7 | Block |
| EEE8127 | Microelectronics Design Tools | 20 | | 20 | | | | 7 | Block |
| EEE8165 | Research Skills and Development for Engineers | 20 | 20 | | | | | 7 | Block |

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

*For the purpose of professional accreditation, the University's Education Committee has approved a variation to the Taught Programme Regulations to the effect that a candidate who passes all modules and fails up to 20 credits is recommended, as of right, for the award of an appropriate Master's degree or Postgraduate Diploma, **provided that no mark is below 40** and the weighted average mark for all modules and all non-modular aggregated assessment is at least 50.*

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