



Bachelor of Engineering Technology Honours in Electronic Engineering

The Bachelor of Engineering Technology Honours Degree in Electronic Engineering, BEngTechHons (Electronic Engineering), is a specialisation qualification in engineering that is designed to prepare students for careers in engineering and related areas as well as higher level postgraduate studies and professional registration. This program is designed specifically to follow the Bachelor of Engineering Technology in electronic engineering, BEngTech (Electronic Engineering), as offered at the Durban University of Technology (DUT).

The qualification consolidates and deepens the graduate’s expertise in electronic engineering and develops research capacity in the methodology and techniques of those disciplines, while equipping them to undertake more extensive learning. Programmes leading to this qualification allows students to work independently and responsibly, applying original thought and judgement to technical and risk-based decisions in complex situations and holders of this qualification are normally prepared to enter a specific engineering niche in the labour market, or to further their studies and specialisations through masters and doctoral programmes.

NQF Level: 8

Credits: 152

Duration: The duration of the programme is one year

CURRICULUM

	Name of Module	Code	Credits
Year 1 Semester 1	Statistics and Probability 4A	STPR701	8
	Data Analytics and Machine Learning 4A	DAML801	12
	Embedded Systems Design 4A	EMSD801	12
	Data Networks and IoT 4A	DNAL801	12
	Research Methods and Ethics 4A	RMAE801	8
	Engineering Research Proposal 4A	ERPL801	8
Year 1 Semester 2	DSP Applications 4A	DSPA801	12
	Systems Thinking and Leadership 4B	STAL802	12
	Renewable Energy and Sustainability 4B	REAS802	12
	Radio and Microwave Systems 4B	RAMS802	12
	Automation 4B	ATMT802	12
	Engineering Research Project 4B	ERPJ802	32
	TOTAL CREDITS SEMESTER 1 & 2		152

MINIMUM REQUIREMENTS

Applicants wishing to enrol for Bachelor of Engineering Technology Honours in Electronic Engineering at the Durban University of Technology are required to meet the following minimum entry requirements:

In possession of an NQF Level 7 qualification in Bachelor of Engineering Technology in Electronic Engineering or a Bachelor of Technology in Electrical Engineering (BTech) or related qualifications at NQF level 7

NOTE

1 Students that are in possession of a (Bachelor of Technology in Electrical Engineering - BTech) (NQF 7) and wish to pursue the Master of Engineering (MEng Degree) (NQF 9), will be required to complete the BEngTech(Honours) Degree: Electronic Engineering (NQF 8).

2 No BTech (Old -NATED Bachelor of Technology) will be allowed to articulate to MEng (Master of Engineering) without completing the Honours Degree.

CONTACT DETAILS

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