HAN_UNIVERSITY OF APPLIED SCIENCES

Degree Statute and Education and Examination Regulations Bachelor Electrical and Electronic Engineering – Part 2, Chapter 9: Description of the education

Appendix to the Degree Statute and EER of the bachelor's programme Elektrotechniek / Electrical and Electronic Engineering, English-taught full-time variant, 2021-2022.

9. DESCRIPTION OF THE EDUCATION (THE UNITS OF STUDY)

This chapter describes the education of your programme as a curriculum overview and a description of the units of study, beginning with the propaedeutic phase, then the post-propaedeutic phase and the minors. Electrical and Electronic Engineering prepares you for a technical career aimed at the future: working on the transition to sustainable energy, or developing smart automated manufacturing and industrial processes. The programme is taught in Arnhem – an energy hotspot where hydrogen and fuel-cell technology, battery and charging infrastructure and smart grids are developed – and collaborates with leading firms in the energy and electrical engineering sector. You work together with students of the other engineering programmes on real cases from industry.

CURRICULUM OVERVIEW

Phase	Content
Semesters 1–2 (propaedeutic phase)	Foundations of electrical engineering: circuits and direct and alternating current, electronics, digital technology, programming and engineering mathematics, applied in semester projects.
Semesters 3–4	Power and energy technology, electrical machines and drives, control engineering, measurement and embedded control, in projects with a growing level of complexity.
Semester 5	Internship (30 credits).
Semester 6	Specialisation courses and a professional learning project with industry.
Semester 7	Minor (30 credits).
Semester 8	Graduation (30 credits).

UNITS OF STUDY

For each unit the regulations state the code, the period, the credits (1 credit = 28 hours of study), the contact hours, the entry requirements, the content and organisation, the learning outcomes and assessment criteria, the activities (lectures, labs and projects), the required literature and materials, and the examinations. The chapter further covers the minors of the programme, honours, talent and bridging programmes, the part-time variant and tracks with a special character.