



UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA



CREATE AN OPPORTUNITY IN-

BSc DEGREE MAJORING IN PHYSICS AND ENGINEERING SUBJECTS

Physics subjects

YEAR 1

Physics Chemistry

Mathematics

Engineering Drawing

Computer Programming

Engineering Forum

Computer Literacy

Academic Literacy

Applied Mathematics

Fundamental subjects

YEAR 2

Material Science
Engineering Materials
Engineering Geology
Computer Data Structures
Computer Programming
Strength of Materials 1
Machine Design
Electro Technique
Workshop Practice
Applied Mathematics
Vacation work

Physics Mathematics

YEAR 3

Electrical Power Systems
Microprocessors
Flow Mechanics
Engineering Thermodynamics
Engineering Design Project
Matlab
Engineering Surveying

Engineering Surveying Strength of Materials 2+3 Boolean Algebra Signal Theory Physics

Engineering Surveying
Strength of Materials 2+3
Boolean Algebra

PHYSICS

Boolean Algebra Signal Theory Physics Algebra

Matlab

Maths: Dynamic Systems Computer Networks Register at another university

ENGINEERING

BEng (discipline - choice)

- Civil
- Electronic
- Electrical
- MechanicalMechatronic

PHYSICS (Hons, MSc, PhD)

EMPLOYMENT MARKET

CONTACT EnSci

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UFS APPLICATION PROCESS:

The following performances are required in the NSC or an equivalent examination:

- An AP score > 34
- AP score for Mathematics ≥ 7 and Physical Science ≥ 6
- Completion of the NBT test
- Language of instruction ≥ level 4

Submit a completed application form.



