

BACHELOR OF EDUCATION HONOURS IN FURTHER EDUCATION AND TRAINING

BEDHons (Further Education and Training) - NQF Level 8 (120 credits)

Qualification code: BHSF21

(Specialisation codes for admission and registration: BHSK21 / BHSR21 / BHSE21 / BHSB21 / BHSG21 / BHSJ21)

SAQA ID: 73082 CHE NUMBER: H16/15778/HEQSF

Campus where offered: Soshanguve North, eMalahleni, Polokwane and Mbombela campuses

REMARKS

- a. *Admission requirement(s):*
A four-year professional teaching degree in a Further Education and Training field, **or** an appropriate undergraduate diploma, **or** a bachelor's degree and a recognised professional qualification such as an advanced diploma in a cognate subfield of Education or a Postgraduate Certificate in Education.
- Holders of any other equivalent South African or international qualification may also be considered, see Chapter 1 of Students' Rules and Regulations.
- b. *Selection criteria:*
Admission is subject to selection. Prospective students will be evaluated based on the marks obtained in the previous qualification and/or work experience.
- Acceptance is subject to available capacity according to the Student Enrolment Plan (SEP). Applicants will be informed of their status per official letter from the Office of the Registrar, alternatively, they can check their application status on the TUT website, www.tut.ac.za.
- c. *Recognition of Prior Learning (RPL), equivalence and status:*
See Chapter 30 of Students' Rules and Regulations.
- d. *Intake for the qualification:*
January only.
- e. *Presentation:*
Block mode classes offered on Saturdays over a period of two years.
- f. *Minimum duration:*
A minimum of one or two years (depending on the programme offering).
- g. *Exclusion and readmission:*
See Chapter 2 of Students' Rules and Regulations.

CURRICULUM

YEAR MODULES

CODE	MODULE	NQF-L	CREDIT
EUM108S	Educational Management V	(8)	(12)
RSF108S	Research Methods and Techniques	(8)	(30)
TYE108S	Theory of Education V	(8)	(12)



Students register for one of the following specialisation codes:

OPTION 1: COMPUTER SCIENCE (BHSK21)

(Managed by the Department of Technology and Vocational Education)

One of the following modules:

FCA208S	Computer Application Technology	(8)	(36)
FCE208S	Computer Science IV	(8)	(36)

plus one of the following Subject Didactic related to the chosen module above:

SCA208S	Subject Didactics: Computer Application Technology V	(8)	(30)
SCU208S	Subject Didactics: Computer Science V	(8)	(30)

OPTION 2: CONSUMER STUDIES (BHSR21)

(Managed by the Department of Mathematics, Science and Business Education)

One of the following modules:

FCS208S	Consumer Studies IV	(8)	(36)
FHC208S	Hotelkeeping and Catering IV	(8)	(36)

plus one of the following Subject Didactic related to the chosen module above:

SCC208S	Subject Didactics: Consumer Studies V	(8)	(30)
SHC208S	Subject Didactics: Hotelkeeping and Catering V	(8)	(30)

OPTION 3: ECONOMIC AND MANAGEMENT SCIENCES (BHSE21)

(Managed by the Department of Mathematics, Science and Business Education)

One of the following modules:

FAC208S	Accounting IV	(8)	(36)
FBG208S	Business Management IV	(8)	(36)
FEC208S	Economics IV	(8)	(36)

plus one of the following Subject Didactic related to the chosen module above:

SAA208S	Subject Didactics: Accounting V	(8)	(30)
SBM208S	Subject Didactics: Business Management V	(8)	(30)
SES208S	Subject Didactics: Economics V	(8)	(30)

OPTION 4: NATURAL SCIENCES (BHBS21)

(Managed by the Department of Mathematics, Science and Business Education)

One of the following modules:

FBI208S	Biology IV	(8)	(36)
FMS208S	Mathematics IV	(8)	(36)



FPY208S Physical Science IV (8) (36)

plus one of the following Subject Didactic related to the chosen module above:

SBI208S Subject Didactics: Biology V (8) (30)

SMH208S Subject Didactics: Mathematics V (8) (30)

SPY208S Subject Didactics: Physical Science V (8) (30)

OPTION 5: TECHNICAL (BHSG21)

(Managed by the Department of Technology and Vocational Education)

One of the following modules:

FCU208S Civil Technology IV (8) (36)

FET208S Electrical Technology IV (8) (36)

FGD208S Engineering Graphics and Design IV (8) (36)

FMT208S Mechanical Technology IV (8) (36)

plus one of the following Subject Didactic related to the chosen module above:

SCV208S Subject Didactics: Civil Technology V (8) (30)

SDG208S Subject Didactics: Engineering Graphics and Design V (8) (30)

SEL208S Subject Didactics: Electrical Technology V (8) (30)

SME208S Subject Didactics: Mechanical Technology V (8) (30)

OPTION 6: TECHNOLOGY (BHSJ21)

(Managed by the Department of Technology and Vocational Education)

One of the following modules:

FTG208S Technological Design IV (8) (36)

FTN208S Technology IV (8) (36)

plus one of the following Subject Didactic related to the chosen module above:

STK208S Subject Didactics: Technological Design V (8) (30)

STL208S Subject Didactics: Technology V (8) (30)

OPTION 7: VOCATIONAL GUIDANCE (BHSV21)

(Managed by the Department of Educational Foundation)

FSG208S School Guidance and Counselling IV (8) (36)

SSG208S Subject Didactics: School Guidance and Counselling V (8) (30)

TOTAL CREDITS FOR THE QUALIFICATION: **120**



MODULE INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular module. At time of publication, the syllabus content was defined as follows:

A

ACCOUNTING IV (FAC208S) 1 X 3-HOUR PAPER
(Module custodian: Department of Mathematics, Science and Business Education)
Advanced company financial statements, comparative figures, abnormal and extraordinary items with tax implications, deferred taxation, instalment sales, valuations, liquidations and amalgamations, reconstructions, leases, and grouping statements. (Total notional time: 360 hours)

B

BIOLOGY IV (FBI208S) 1 X 3-HOUR PAPER
(Module custodian: Department of Mathematics, Science and Business Education)
Plant physiology: Flowering Plants; Structure and Function; Plant Reproduction and Developmental Responses; Respiration and Photosynthesis. Human physiology: Tissues, organs and systems of the human body. (Total notional time: 360 hours)

BUSINESS MANAGEMENT IV (FBG208S) 1 X 3-HOUR PAPER
(Module custodian: Department of Mathematics, Science and Business Education)
The purpose of this module is to enhance the Business Management knowledge pool of current Business Management teachers. The module will also enable managers (both educational managers and business managers), to become strategy makers and implementers of strategy, taking cognisance of ethical mechanisms and structures, thus preparing them for the world of work. An entire learning outcome is dedicated to the ethics and social responsibility aiming at developing responsible, ethical leaders for the future. (Total notional time: 360 hours)

C

CIVIL TECHNOLOGY IV (FCU208S) 1 X 3-HOUR PAPER
(Module custodian: Department of Technology and Vocational Education)
Technical knowledge and skills in the civil field of specialisation. Theory and practical skills are integrated through experiments and processes conducted in workshops and laboratories. Students identify problems, and, through the technological design process, solve those problems by undertaking projects in laboratories and workshops. (Total notional time: 360 hours)

CONSUMER STUDIES IV (FCS208S) 1 X 3-HOUR PAPER
(Module custodian: Department of Mathematics, Science and Business Education)
Comprehensive knowledge and skills that would enable effective teaching of advanced topics in Consumerism, Interior design, Food and nutrition, Clothing and construction. This knowledge should prepare them for advanced teaching knowledge and skills in the context of CAPS Consumer Studies and in schools. (Total notional time: 360 hours)

COMPUTER APPLICATION TECHNOLOGY IV (FCA208S) 1 X 4-HOUR COMPUTER-BASED
(Module custodian: Department of Technology and Vocational Education)
Advance Word Processing, Managing Document Options and Settings, Using Advanced Editing and Formatting Features, Creating Custom Document Elements and Managing Document Collaboration. Advance Spreadsheet, Managing Workbook Options and Settings, Managing and Formatting Data, Creating Advanced Formulas and Macros, Managing Advanced Charts and Tables. Advance Database programme Managing Databases, Creating and Modifying Tables, Creating and Modifying Queries, Modifying Forms. Dreamweaver / HTML(5), Working in the Web Industry, Project Setup and Interface, Organising Content on a Page, Working with Code for Creating and Modify Content and Publishing Digital Media. (Total notional time: 360 hours)



COMPUTER SCIENCE IV (FCE208S)**1 X 4-HOUR COMPUTER-BASED****(Module custodian: Department of Technology and Vocational Education)**

Advanced data communications, functional knowledge and skills regarding the evaluating and integrating knowledge on ICT. Advanced evaluation methods and techniques used to communicate electronically; ethical and professional use of ICT; designing electronic tools to solve complex problems, implementing a range of methods using all official documents to plan, present and perform administration of Information Technology. (Total notional time: 360 hours)

E**ECONOMICS IV (FEC208S)****1 X 3-HOUR PAPER****(Module custodian: Department of Mathematics, Science and Business Education)**

Comparative analysis of developed and developing economies. Critical evaluation and analysis of labour and goods market. Application of macroeconomic policies in some countries. Merits and challenges of globalisation. Advanced views about the South African economy. Mini research in the field of Economics Education in preparation for advanced research in future. Research topics to be given by the instructor. (Total notional time: 360 hours)

EDUCATIONAL MANAGEMENT V (EUM108S)**1 X 3-HOUR PAPER****(Module custodian: Department of Educational Foundation)**

Advanced views on the tasks, disciplines and management areas of educational management. (Total notional time: 120 hours)

ELECTRICAL TECHNOLOGY IV (FET208S)**1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

Technical knowledge and skills in the electrical field of specialisation. Theory and practical skills are integrated through experiments and processes conducted in workshops and laboratories. Students identify problems, and, through the technological design process, solve those problems by undertaking projects in laboratories and workshops. (Total notional time: 360 hours)

ENGINEERING GRAPHICS AND DESIGN IV (FGD208S)**1 X 4-HOUR COMPUTER-BASED****(Module custodian: Department of Technology and Vocational Education)**

Graphic representation, using various techniques, such as computer aided drawing, sketching, orthographic drawings, two-dimensional and three-dimensional representation of ideas, as a basic condition for designing and making technology products and processes in the workshop or laboratory. Problem identification through the technological design process, solve those problems by undertaking projects in laboratories and workshops. (Total notional time: 360 hours)

H**HOTELKEEPING AND CATERING IV (FHC208S)****1 X 3-HOUR PAPER****(Module custodian: Department of Mathematics, Science and Business Education)**

Quantity catering, including menus, restaurant interior, table laying, styles of service, types of functions, work schedules, waiter service, service of alcoholic beverages and tobacco. Administration: Large-scale food preparation administration, including purchasing, receiving, storing, issuing, production planning, waste control, recipes. Food service budget. Cost control. (Total notional time: 360 hours)

M**MATHEMATICS IV (FMS208S)****1 X 3-HOUR PAPER****(Module custodian: Department of Mathematics, Science and Business Education)**

Plane curve, parametric equations and polar coordinates. Lines and planes in 3-D space, vector spaces, linear transformations, multiple integration, Laplace transforms and Fourier series. (Total notional time: 360 hours)

MECHANICAL TECHNOLOGY IV (FMT208S)**1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

Technical knowledge and skills in the mechanical field of specialisation is emphasised. Theory is integrated with practical skills through experiments and processes conducted in workshops and laboratories. Students identify problems, and through the technological design process, solve those problems by undertaking projects in laboratories and workshops. (Total notional time: 360 hours)



P**PHYSICAL SCIENCE IV (FPY208S)****1 X 3-HOUR PAPER****(Module custodian: Department of Mathematics, Science and Business Education)**

Analytical Chemistry (Laboratory Management and Advanced Chemical Analysis for a diversity of topics in Chemistry), Physical Chemistry, Inorganic Chemistry and Organic Chemistry. The module includes molecular geometry and bonding theories, the third law of thermodynamic, reaction mechanisms of different organic reactants and bonding. Physics areas are:- Fluids, Electronics, Particles and Waves, Nuclear Physics and Radioactivity, Ionising Radiation, Nuclear Energy and Elementary Particles. (Total notional time: 360 hours)

R**RESEARCH METHODS AND TECHNIQUES (RSF108S)****1 X 3-HOUR PAPER****(Module custodian: Department of Educational Foundation)**

The role and value of research in education. How elementary statistics can be a resource in teaching and research. (Total notional time: 300 hours)

S**SCHOOL GUIDANCE AND COUNSELLING IV (FSG208S)****1 X 3-HOUR PAPER****(Module custodian: Department of Educational Foundation)**

Advanced school guidance and counselling. (Total notional time: 360 hours)

SUBJECT DIDACTICS: ACCOUNTING V (SAA208S)**CONTINUOUS ASSESSMENT****(Module custodian: Department of Mathematics, Science and Business Education)**

Philosophy of Accounting, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: BIOLOGY V (SBI208S)**CONTINUOUS ASSESSMENT****(Module custodian: Department of Mathematics, Science and Business Education)**

Philosophy of the Science with specific reference to Biology, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: BUSINESS MANAGEMENT V (SBM208S)**CONTINUOUS ASSESSMENT****(Module custodian: Department of Mathematics, Science and Business Education)**

Philosophy of Business management, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: CIVIL TECHNOLOGY V (SCV208S)**CONTINUOUS ASSESSMENT****(Module custodian: Department of Technology and Vocational Education)**

Philosophy of Civil Technology, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: COMPUTER APPLICATION TECHNOLOGY V (SCA208S)**CONTINUOUS ASSESSMENT****(Module custodian: Department of Technology and Vocational Education)**

Philosophy of Computer Application Technology, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)



SUBJECT DIDACTICS: COMPUTER SCIENCE V (SCU208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Philosophy of Computer Science, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: CONSUMER STUDIES V (SCC208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Mathematics, Science and Business Education)
Philosophy of Consumer Studies, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: ECONOMICS V (SES208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Mathematics, Science and Business Education)
Philosophy of Economics, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: ELECTRICAL TECHNOLOGY V (SEL208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Philosophy of Electrical Technology, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: ENGINEERING GRAPHICS AND DESIGN V (SDG208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Philosophy of Engineering Graphics and Design, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: HOTEL KEEPING AND CATERING V (SHC208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Mathematics, Science and Business Education)
Philosophy of Hotel keeping and Catering, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: MATHEMATICS V (SMH208S) CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics, Science and Business Education)
Philosophy of Mathematics, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: MECHANICAL TECHNOLOGY V (SME208S) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Philosophy of Mechanical Technology, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)



SUBJECT DIDACTICS: PHYSICAL SCIENCE V (SPY208S) **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Mathematics, Science and Business Education)
Science with specific reference to Chemistry and Physics, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: SCHOOL GUIDANCE AND COUNSELLING V (SSG208S) **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Microteaching, teaching science and the teaching environment, using a learning model. Curriculum development. Didactic principles applied in Mathematics. Subject applications on the computer, multimedia teaching. Practical work. Group dynamics. (Total notional time: 300 hours)

SUBJECT DIDACTICS: TECHNOLOGICAL DESIGN V (STK208S) **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Technology and Vocational Education)
Philosophy of Technological Design, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

SUBJECT DIDACTICS: TECHNOLOGY V (STL208S) **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Technology and Vocational Education)
Technology, Curriculum implementation and support, Teaching and learning theories, Teaching and learning strategies, ICT in the classroom, Assessment. Subject applications on the computer, multi-teaching and practical work of setting Grade 12 question papers in line with the national curriculum. (Total notional time: 300 hours)

T

TECHNOLOGICAL DESIGN IV (FTG208S) **1 X 3-HOUR PAPER**
(Module custodian: Department of Technology and Vocational Education)
The advanced application of design practice, drawing practice and computer-aided drawing in a technological environment. Multimedia applications, using the computer as a communication tool. (Total notional time: 360 hours)

TECHNOLOGY IV (FTN208S) **1 X 3-HOUR PAPER**
(Module custodian: Department of Technology and Vocational Education)
Basic technical knowledge and skills in the electrical/mechanical and/or civil fields of specialisation. Theory is integrated with practical skills through experiments and processes conducted in workshops and laboratories. Students identify problems, and through the technological design process, solve those problems by manufacturing projects in laboratories and workshops. (Total notional time: 360 hours)

THEORY OF EDUCATION V (TYE108S) **1 X 3-HOUR PAPER**
(Module custodian: Department of Educational Foundation)
Advanced issues in theory of education. (Total notional time: 120 hours)