BACHELOR OF EDUCATION IN SENIOR PHASE AND FURTHER EDUCATION AND TRAINING TEACHING

(Qualification type: Professional Bachelor's Degree)
(Specialisation in Information Technology)
Qualification code: BPSI20 - NQF Level 7 (498 credits)
SAQA ID: 109454, CHE NUMBER: H/H16/E132CAN

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

Please note that this programme is currently only offered on Soshanguve North Campus.

REMARKS

a. *Admission requirement(s) and selection criteria:*

- **APPLICANTS WHO OBTAINED A SENIOR CERTIFICATE BEFORE 2008:**

  Admission requirement(s):
  A Senior Certificate with a matriculation degree endorsement or an equivalent qualification, with a C symbol at Higher Grade or a B symbol at Standard Grade in English and at least a D symbol at Higher Grade or a C symbol at Standard Grade for Mathematics or Computer Science.

  The following subject specific-prerequisite in the FET/Senior Certificate is compulsory for applicants who intend to enrol for this qualification. Specialisation modules are offered in different groups and applicants must meet the requirements accordingly:

Specialisation modules offered in the programme	Specific prerequisite(s) on NQF Level 4
FET: Computer Application Technology I	No requirement
FET: Information Technology I	Computer Science or Mathematics with an D symbol at Higher Grade or a C symbol at Standard Grade

  Selection criteria:
  Applicants are assessed according to the following formula:

SYMBOL	HG	SG
A	5	4
B	4	3
C	3	2
D	2	1
E	1	

  To be considered for this qualification, applicants must have a score of **12**.

- **APPLICANTS WHO OBTAINED A NATIONAL SENIOR CERTIFICATE IN OR AFTER 2008:**

  Admission requirement(s):
  A National Senior Certificate with a bachelor's degree endorsement, or an equivalent qualification with an achievement level of at least 4 in English (home language or first additional language), and 4 for Mathematics or Technical Mathematics or Information Technology.

  The following subject specific-prerequisite in the FET/Senior Certificate is compulsory for

applicants who intend to enrol for this qualification. Specialisation modules are offered in different groups and applicants must meet the requirements accordingly:

Specialisation modules offered in the programme	Specific prerequisite(s) on NQF Level 4
FET: Computer Application Technology I	No requirement
FET: Information Technology I	Information Technology or Mathematics or Technical Mathematics with a minimum score of 4

Selection criteria:
To be considered for this qualification, applicants must have an Admission Points Score (APS) of at least **24** (excluding Life Orientation).

- **APPLICANTS WITH A NATIONAL CERTIFICATE (VOCATIONAL):**

 Admission requirement(s):
 A National Certificate (Vocational) at NQF Level 4, with a bachelor's degree endorsement, issued by the Council for Quality Assurance in General and Further Education and Training (Umalusi) with at least a 50% (APS of 4) for English (home language or first additional language), Mathematics, and Life Orientation (excluded for APS calculation) and at least 60% (APS of 5) for Systems Analysis and Design and Data Communications and Computer Programming and any other vocational subject.

 Selection criteria:
 To be considered for this qualification, applicants must have an Admission Points Score (APS) of at least **28** (excluding Life Orientation).

b. *Assessment procedure(s):*
 No further assessment will be done. Applicants who achieve the minimum APS will be considered until the programme complement is full. All completed applications received within the published due dates will be ranked. After consideration of the Departmental Student Enrolment Plan, only the top ranking applicants will be selected. Once a programme is full, a waiting list will be in place to provide an opportunity for applicants to fill places of those who did not register on time. 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. *Minimum duration:*
 Four years.

f. *Presentation:*
 Day classes.

g. *Exclusion and readmission:*
 See Chapter 2 of Students' Rules and Regulations.

CURRICULUM

Faculty of Humanities

FIRST YEAR

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
ALY105X	Academic Literacy and Life Skills	(5)	(10)	
CLM116P	Classroom Management I (first-semester module)	(6)	(5)	
FIT106P	FET: Information Technology I	(6)	(16)	
ITE105P	ICT in Education I	(5)	(8)	
LLE105P	LoLT: English I	(5)	(8)	
PSF106P	Professional Studies (FET) I	(6)	(10)	
PSP106P	Professional Studies (SP) I	(6)	(10)	
SFS105P	School Based Learning I (6 weeks)	(5)	(12)	
STH106P	SP: Technology I	(6)	(14)	
TEC106P	Theory of Education (Curriculum Studies) I	(6)	(22)	

plus one of the following modules as determined by the school. Students must ensure that they register for the following combination:

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
FCA106P	FET: Computer Applications Technology I	(6)	(16)	
FMS106P	FET: Mathematics I	(6)	(16)	

TOTAL CREDITS FOR THE FIRST YEAR: **131**

SECOND YEAR

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
CLM216P	Classroom Management II (first-semester module)	(6)	(5)	Classroom Management I
FIT206P	FET: Information Technology II	(6)	(16)	FET: Information Technology I
ITE205P	ICT in Education II	(5)	(7)	ICT in Education I
LLE205P	LoLT: English II	(5)	(6)	LoLT: English I
PSF206P	Professional Studies (FET) II	(6)	(13)	Professional Studies (FET) I
PSP206P	Professional Studies (SP) II	(6)	(10)	Professional Studies (SP) I
SFS206P	School Based Learning II (6 weeks)	(6)	(12)	School Based Learning I (6 weeks)
STH206P	SP: Technology II	(6)	(16)	SP: Technology I
TEP207P	Theory of Education (Psychology and Sociology) II	(7)	(24)	Theory of Education (Curriculum Studies) I

plus one of the following modules as determined by the school. Students must ensure that they register in any one of the following combinations:

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
FCA206P	FET: Computer Applications Technology II	(6)	(16)	FET: Computer Applications Technology I
FMS206P	FET: Mathematics II	(6)	(16)	FET: Mathematics I

TOTAL CREDITS FOR THE SECOND YEAR: **125**

THIRD YEAR

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
CLM316P	Classroom Management III (first-semester module)	(6)	(7)	Classroom Management II
FIT307P	FET: Information Technology III	(7)	(18)	FET: Information Technology II
PSF307P	Professional Studies (FET) III	(7)	(15)	Professional Studies (FET) II

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CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
PSP306P	Professional Studies (SP) III	(6)	(12)	Professional Studies (SP) II
SFS307P	School Based Learning III (6 weeks)	(7)	(12)	School Based Learning II (6 weeks)
STH307P	SP: Technology III	(7)	(16)	SP: Technology II
TEH307P	Theory of Education (History and Comparative Studies) III	(7)	(24)	Theory of Education (Psychology and Sociology) II

plus one of the following modules as determined by the school. Students must ensure that they register for following combination:

FCA307P	FET: Computer Applications Technology III	(7)	(18)	FET: Computer Applications Technology II
FMS307P	FET: Mathematics III	(7)	(18)	FET: Mathematics II

TOTAL CREDITS FOR THE THIRD YEAR: **122**

FOURTH YEAR

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
IED417P	Inclusive Education (first-semester module)	(7)	(7)	Academic Literacy and Life Skills
IRS416P	Introduction to Research (first-semester module)	(6)	(6)	Classroom Management III
PSF407P	Professional Studies (FET) IV	(7)	(20)	Professional Studies (FET) III
PSP407P	Professional Studies (SP) IV	(7)	(20)	Professional Studies (SP) III
SFS407P	School Based Learning IV (12 weeks)	(7)	(30)	School Based Learning III (6 weeks)
TEY407P	Theory of Education (Philosophy) IV	(7)	(30)	Theory of Education (History and Comparative Studies) III

plus one of the following modules:

LTA405P	LoCC: Setswana	(5)	(7)	
LTG405P	LoCC: Xitsonga	(5)	(7)	
LVN405P	LoCC: Tshivenda	(5)	(7)	
LZL405P	LoCC: IsiZulu	(5)	(7)	

TOTAL CREDITS FOR THE FOURTH YEAR: **120**

TOTAL CREDITS FOR THE QUALIFICATION: **498**

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

ACADEMIC LITERACY AND LIFE SKILLS (ALY105X)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Applied Languages)
The purpose of this module is to provide students with basic knowledge and skills on how make a successful transition into the Higher Education environment. The module will enable students to improve on their language and social skills. (Total tuition time: not available)

C

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CLASSROOM MANAGEMENT I (CLM116P) 1 X 2-HOUR PAPER
(Module custodian: Department of Educational Foundation)
To equip students with skills and knowledge that would enable them to effectively manage their classrooms. Students will be exposed to basic knowledge and skills of classroom management principles and functions. (Total tuition time: ± 18 hours)

CLASSROOM MANAGEMENT II (CLM216P) 1 X 2-HOUR PAPER
(Module custodian: Department of Educational Foundation)
To provide students with detailed knowledge and skills to enable them to appropriately execute administrative classroom activities, to effectively manage diverse classroom areas and techniques to facilitate learner motivation within their classrooms. (Total tuition time: ± 18 hours)

CLASSROOM MANAGEMENT III (CLM316P) 1 X 2-HOUR PAPER
(Module custodian: Department of Educational Foundation)
To provide the student with the necessary detailed knowledge and insight into the environment of the law of education with special reference to the sources of education law, the legal status of the learner as well as the role and legal duties of the educator to act as a caring supervisor. Furthermore, the module enriches the student's knowledge base about the current legal practices pertaining to education. This module will enable the student to enter the labour market confidently and apply the appropriate legal principles situationally and professionally in and outside the classroom. (Total tuition time: ± 20 hours)

F

FET: COMPUTER APPLICATIONS TECHNOLOGY I (FCA106P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Solution Development: Microsoft office suite, Internet and introduction to HTML; System Technologies; Network Technologies; Internet Technologies; Information Management; Social Implications. Specific Subject Didactics - Lesson plan and Presentations (Grade 10), Learner Teacher support material, Application of CAPS: Computer Application Technology Grade 10. (Total tuition time: not available)

FET: COMPUTER APPLICATIONS TECHNOLOGY II (FCA206P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Solution Development; Microsoft office suite, introduction to HTML; System Technologies: Computer Management; Network Technologies; Internet Technologies; Information Management and Social Implications; Specific Subject Didactics - Lesson plan and Presentations (Grade 11), Learner Teacher support material, Application of CAPS: Computer Application Technology Grade 11. (Total tuition time: not available)

FET: COMPUTER APPLICATIONS TECHNOLOGY III (FCA307P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Technology and Vocational Education)
Solution Development: Microsoft office suite, introduction to HTML; System Technologies; Concepts of Computing, Computer Management; Network Technologies; Internet Technologies; Information Management; Social Implications; Specific Subject Didactics - Lesson plan and Presentations (grade 12), Learner Teacher support material, Application of CAPS: Computer Application Technology Grade 12. (Total tuition time: not available)

FET: INFORMATION TECHNOLOGY I (FIT106P) 1 X 3-HOUR PAPER
(Module custodian: Department of Technology and Vocational Education)
Solution Development: Algorithms and Problem Solving; Introductory graphical programming tool; Application Development, visual development environment and GUI builder - Basics of Delphi; Software Engineering Principles. Communication Technologies. Systems Technologies. Internet Technologies. Data and Information Management. Social Implications. Specific Subject Didactics - Lesson plan and Presentation (Grade 10), Learner Teacher support material, Application of CAPS: Information Technology Grade 10. (Total tuition time: not available)

FET: INFORMATION TECHNOLOGY II (FIT206P) 1 X 3-HOUR PAPER
(Module custodian: Department of Technology and Vocational Education)

Solution Development; Algorithms and Problem Solving; Application Development; GUI builder - Delphi; Software Engineering Principles; Databases; SQL + Delphi; Communication Technologies; Systems Technologies (A+ for teachers); Internet Technologies; Data and Information Management; Social Implications; Specific Subject Didactics - Teaching methods, strategies and assessment relevant to Information Technology, Lesson plan and Presentation, Application of CAPS: Information Technology Grade 11. (Total tuition time: not available)

FET: INFORMATION TECHNOLOGY III (FIT307P) **1 X 3-HOUR PAPER**
(Module custodian: Department of Technology and Vocational Education)
Solution Development: (Algorithms and Problem Solving; Application Development, visual development environment and GUI builder - Delphi; Databases; SQL + Delphi; OOPS - Classes, Inheritance and Polymorphism; Software Engineering Principles); Communication Technologies; Systems Technologies; Internet Technologies; Data and Information Management; Social Implications; Specific Subject Didactics - Application of teaching methods, strategies, assessment and programme guidelines relevant to Information Technology, Lesson plan and Presentation. Application of CAPS: Information Technology Grade 12. (Total tuition time: not available)

FET: MATHEMATICS I (FMS106P) **1 X 3-HOUR PAPER**
(Module custodian: Department of Mathematics Science and Business Education)
Equip students with mathematical skills and knowledge at the pre-calculus level and calculus level. Students will be exposed to basic mathematical knowledge and skills applicable to the Further Education and Training Phase. Complex numbers Binomial Theorem, Theory of polynomials, Functions, Differentiation, Exponential and logarithmic functions, Trigonometry, Coordinate geometry, Circle. Matrices, Systems of linear equations, Linear programming, Partial fractions, Permutation and Combination, Binomial theorem, Limits and continuity, Euclidean Geometry and measurement, Analytical Geometry. Specific Subject Didactics - Lesson plan and Presentation (Grade 10), Learner Teacher support material, Application of CAPS: Mathematics Grade 10. (Total tuition time: ± 74 hours)

FET: MATHEMATICS II (FMS206P) **1 X 3-HOUR PAPER**
(Module custodian: Department of Mathematics Science and Business Education)
Expose students to the mathematical methods, procedures and techniques for solving problems related to Calculus, Statistics and Vectors. Students will be exposed to detailed mathematical knowledge and skills applicable to the FET phase. Plane curve, parametric equations and Polar coordinates, Lines and planes in 3-D space Differentiation, Integration. Series and progressions, Infinite series, Vectors. Conic Section, Data handling; Probability, Euclidean Geometry and measurement, Analytical Geometry. Specific Subject Didactics - Teaching methods, strategies and assessment relevant to Mathematics, Lesson plan and Presentation, Application of CAPS: Mathematics Grade 11. (Total tuition time: ± 64 hours)

FET: MATHEMATICS III (FMS307P) **1 X 3-HOUR PAPER**
(Module custodian: Department of Mathematics Science and Business Education)
Enrich students' knowledge base with the mathematical methods, procedures and techniques to apply in solving problems related to Linear Algebra, Differential equations and Advanced Calculus. Students will be exposed to advanced mathematical knowledge and skills applicable to the FET Phase. Vector Spaces, Linear Transformations, Multiple Integration, Laplace Transforms and Fourier series, First-order differential equations. Second-order differential equations, Euclidean Geometry and measurement, Analytical Geometry. Specific Subject Didactics - Application of teaching methods, strategies, assessment and programme guidelines relevant to Mathematics, Lesson plan and Presentation. Application of CAPS: Mathematics Grade 12. (Total tuition time: ± 60 hours)

I

ICT IN EDUCATION I (ITE105P) **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Technology and Vocational Education)
Computer hardware and software components; The role of ICT in teaching; Internet; MS Word; MS Excel; MS Power Point Collective roles of teachers in a school Scholar, researcher and lifelong learner. (Total tuition time: ± 40 hours)

ICT IN EDUCATION II (ITE205P) **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Technology and Vocational Education)

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The purpose of the module is to provide students with detailed ICT knowledge and skills to enable them to appropriately execute the use of Microsoft office suite which, amongst others, will include intermediate Word Processing (Microsoft Word), intermediate Spreadsheet (Microsoft Excel), intermediate Presentation (Microsoft PowerPoint) and advanced desktop publishing software (Microsoft Publisher). (Total tuition time: not available)

INCLUSIVE EDUCATION (IED417P) 1 X 3-HOUR PAPER
(Module custodian: Department of Educational Foundation)
Demonstrate knowledge of the practical implications of the implementation of inclusive education and of strategies for the accommodation of learners with specific barriers to learning in different classroom contexts; implement the SIAS-process; to collaborate with parents and other support professionals in the support process. (Total tuition time: not available)

INTRODUCTION TO RESEARCH (IRS416P) 1 X 2-HOUR PAPER
(Module custodian: Department of Educational Foundation)
Introduction to the designing and conducting of research by selecting an area and topic for research, understanding of appropriate research methodologies. Understand research processes: topic, action plan, literature review, research questions, hypothesis, methodology, interpreting of data, analysis, findings. Access of data. Producing and presenting a research proposal. (Total tuition time: ± 21 hours)

L

LOCC: ISIZULU (LZL405P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Applied Languages)
The purpose of this module is to equip students with basic conversation skills, so that they can communicate with other people in isiZulu in a social context. Further, this module is aimed at providing the students with basic knowledge and skills on how to communicate successfully with other people in isiZulu besides their home languages, in various contexts. This will enhance multilingualism; promote knowledge and the development of indigenous African Languages. (Total tuition time: ± 35 hours)

LOCC: SETSWANA (LTA405P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Applied Languages)
The purpose of this module is to equip students with basic conversation skills, so that they can communicate with other people in Setswana in a social context. Further, this module is aimed at providing the students with basic knowledge and skills on how to communicate successfully with other people in Setswana besides their home languages, in various contexts. This will enhance multilingualism; promote knowledge and the development of indigenous African Languages. (Total tuition time: ± 35 hours)

LOCC: TSHIVENDA (LVN405P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Applied Languages)
The purpose of this module is to equip students with basic conversation skills, so that they can communicate with other people in Tshivenda in a social context. Further, this module is aimed at providing the students with basic knowledge and skills on how to communicate successfully with other people in Tshivenda besides their home languages, in various contexts. This will enhance multilingualism; promote knowledge and the development of indigenous African Languages. (Total tuition time: ± 35 hours)

LOCC: XITSONGA (LTG405P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Applied Languages)
To equip students with basic conversation skills, so that they can communicate with other people in Xitsonga in a social context. Other. Further, this module is aimed at providing the students with basic knowledge and skills on how to communicate successfully with other people in Xitsonga besides their home languages, in various contexts. This will enhance multilingualism; promote knowledge and the development of indigenous African Languages. (Total tuition time: ± 35 hours)

LOLT: ENGLISH I (LLE105P) 1 X 3-HOUR PAPER
(Module custodian: Department of Applied Languages)

To develop students English language competence and subject knowledge in order to support and improve the language of learning and teaching in the classroom. (Total tuition time: ± 34 hours)

LOLT: ENGLISH II (LLE205P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Applied Languages)
Stages, Types and Importance of Listening; Effective Communication Strategies: Register and Tone; Reading and Interpretation of texts; Critical Analysis of Texts; Writing for Critical Analysis; Writing Strategies for Different Purposes. (Total tuition time: ± 30 hours)

P

PROFESSIONAL STUDIES (FET) I (PSF106P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Introduction to general methodology, lesson planning and design (Grades 10-12), differentiated teaching and learning methods and strategies, formative and summative assessment methods and the school curriculum. Engage in Microteaching and mini lessons presentation. (Total tuition time: ± 45 hours)

PROFESSIONAL STUDIES (FET) II (PSF206P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Curriculum design and implementation of curriculum policy (Grades: 10-12) and implementation of special needs: scaffolding learning. Teaching and learning methods and strategies and the application of formative assessment. Develop and apply media and technology. Engage in microteaching and min lesson presentations. (Total tuition time: ± 58 hours)

PROFESSIONAL STUDIES (FET) III (PSF307P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Development of Curriculum theories within specialisation field; curriculum development models within specialisation; designing and application of assessment methods and techniques for the FET Phase; development and analysing of various digital technology and media; reflective teaching; and engage in Micro teaching. (Total tuition time: ± 68 hours)

PROFESSIONAL STUDIES (FET) IV (PSF407P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Application and analyses of curriculum theories within specialised subjects. Reflective teaching; application and analyses of assessment strategies, integration of digital technology media. Micro teaching. Teaching portfolio for FET subjects, Grade 10-12. Mini-research projects. (Total tuition time: ± 90 hours)

PROFESSIONAL STUDIES (SP) I (PSP106P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Creation and organisation of a positive learning environment. Introduction to lesson planning and design (Grades 7-9) and special needs education. Monitoring and assessing learner progress. Core-curricular and extra-curricular activities and microteaching. (Total tuition time: not available)

PROFESSIONAL STUDIES (SP) II (PSP206P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Introduction to curriculum policy (Grades: 6-9); theory, special needs, diagnosing learning barriers. Teaching and learning methods and strategies and assessment for senior phase: protocol on assessment. Apply technology and media and teaching and learning methods. Micro teaching lesson presentations in SP subject specialisation. (Total tuition time: ± 45 hours)

PROFESSIONAL STUDIES (SP) III (PSP306P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)
Development of Curriculum theories within specialised field; application of teaching, learning and assessment methods and strategies (Grades 7-9). Introduction to various representations of knowledge; apply digital technology and media in the classroom and participate in micro teaching lessons. (Total tuition time: ± 54 hours)

PROFESSIONAL STUDIES (SP) IV (PSP407P)   **CONTINUOUS ASSESSMENT**
(Module custodian: Department of Educational Foundation)

Application of content knowledge, assessment strategies and Senior Phase curriculum models in lessons. Reflective teaching; application and analyses of assessment strategies, integration of digital technology media. Micro teaching. Teaching portfolio for SP subjects, Grades 7-9. Mini-research projects. (Total tuition time: ± 90 hours)

S

SCHOOL BASED LEARNING I (6 WEEKS) (SFS105P)   **WORK-INTEGRATED LEARNING**
(Module custodian: Department of Educational Foundation)
To ensure that the students is well-equipped and demonstrate communicative, reflective, ethical, numerical and technological competence and literacy in ways that facilitate their own academic learning, and enable them to enhance teaching, learning and the observation and evaluation of their learners in their classrooms. (Total tuition time: ± 54 hours)

SCHOOL BASED LEARNING II (6 WEEKS) (SFS206P)   **WORK-INTEGRATED LEARNING**
(Module custodian: Department of Educational Foundation)
Students who completed the module successfully, will be able to demonstrate knowledge, skills and applied competencies in areas such as, but not limited to: demonstrate the facilitation and scaffolding learning in the classroom, apply various teaching and learning strategies on relevant subject's specialisation, develop and practical application of the media within the lessons execute and perform classroom tasks and successfully complete of the subject portfolio's and logbook. (Total tuition time: ± 54 hours)

SCHOOL BASED LEARNING III (6 WEEKS) (SFS307P)   **WORK-INTEGRATED LEARNING**
(Module custodian: Department of Educational Foundation)
Students who completed the module successfully, will be able to demonstrate knowledge, skills and applied competencies in areas such as to plan organised and execute all teaching activities at an accredited school, rresearch how gifted and talented learners are identified and supported at school, oobserve and reflecting on various tasks expected from the educator at school, write a report on work-based learning and reflect on their teaching practice. (Total tuition time: ± 54 hours)

SCHOOL BASED LEARNING IV (12 WEEKS) (SFS407P)   **WORK-INTEGRATED LEARNING**
(Module custodian: Department of Educational Foundation)
Students who completed the module successfully, will be able to demonstrate knowledge, skills and applied competencies in areas such as, but not limited to: plan, organise and execute all teaching activities at an accredited school; ccomplete a set of educator files for each subject, pparticipate as register teacher, in creating a positive learning environment; share knowledge of the curriculum and learning programmes, in lesson planning and presentation in assessing learner achievements, in professional development in the field of work, participate in extra-curricular and co-curricular activities and reflect on own teaching practice. (Total tuition time: ± 135 hours)

SP: MATHEMATICS I (SMT106P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Mathematics Science and Business Education)
To equip students with mathematical skills and knowledge at the pre-calculus level and calculus level. Students will be exposed to basic mathematical knowledge and skills applicable to the senior phase. Complex numbers Binomial Theorem, Theory of polynomial, Functions, Differentiation, Exponential and logarithmic functions, Trigonometry, Coordinate geometry, Circle, Matrices, Systems of linear equations, Linear programming, Partial fractions, Permutation and Combination, Binomial theorem, Limits and continuity. Specific Subject Didactics - Lesson plan and Presentations (Grade 7), Learner Teacher support material, Application of CAPS: Mathematics Grade 7. (Total tuition time: ± 70 hours)

SP: TECHNOLOGY I (STH106P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Technology and Vocational Education)
Understanding theories, Technological process and skills, Structures, Materials processing, Electrical systems, Mechanical systems, Graphical communication; Specific Subject Didactics - CAPS Senior Phase: Technology Grade 7 theories of Lesson plan and Presentations, Learner Teacher support material. (Total tuition time: not available)

SP: TECHNOLOGY II (STH206P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Technology and Vocational Education)

Using IDMEC process to design technology prototype in structures, mechanical system, electrical systems, Understanding technological problem scenarios and solve problem by designing artefact in form of 3D drawings. Specific Didactics: CAPS SP: Technology Grade 8; teaching methods and strategies; theories of Pedagogic Content Knowledge (PCK) and TPACK introduced; theories of learning; Assessment; Lesson plans and Presentation of Grade 8. (Total tuition time: not available)

SP: TECHNOLOGY III (STH307P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Technology and Vocational Education)
Designing and building technological projects within electrical systems, mechanical systems, structures, hydraulics and pneumatics, Present technological solutions using graphic communications. Specific subject didactics: CAPS Technology Grade 9; application of PCK, TPACK in teaching. Applying learning in teaching context; using constructivist theory and other relevant theories to advance learning in the class. (Total tuition time: not available)

T

THEORY OF EDUCATION (CURRICULUM STUDIES) I (TEC106P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Educational Foundation)
Provides theoretical knowledge and insights into issues related to curriculum theory as sub-discipline of Foundations of Education. Students develop skills on how to create a learning environment, select teaching, learning and assessment methods applicable for micro curriculum development with reference to lesson design. (Total tuition time: ± 77 hours)

THEORY OF EDUCATION (HISTORY AND COMPARATIVE   **1 X 3-HOUR PAPER**
STUDIES) III (TEH307P)
(Module custodian: Department of Educational Foundation)
Syllabus content not available. Please contact the Head of the Department.

THEORY OF EDUCATION (PHILOSOPHY) IV (TEY407P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Educational Foundation)
Syllabus content not available. Please contact the Head of the Department.

THEORY OF EDUCATION (PSYCHOLOGY AND SOCIOLOGY) II (TEP207P)   **1 X 3-HOUR PAPER**
(Module custodian: Department of Educational Foundation)
Psychological and Sociological perspective based on learning and development theories and the effects on cognitive development. Socio-pedagogics as sub-discipline of Foundations of Education addresses, youth leadership, education and economy, diversity of cultures and gender, unemployment. (Total tuition time: ± 65 hours)