

## ADVANCED DIPLOMA IN TECHNICAL AND VOCATIONAL TEACHING

Qualification code: ADTV20 - NQF Level 7 (140 credits)

SAQA ID: 111226, CHE NUMBER: H/H16/E142CAN

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

### REMARKS

- a. *Admission requirement(s):*  
A national N diploma (at NQF Level 6) from a TVET college, **or** an appropriate undergraduate diploma, **or** a bachelor's degree.
- The above-mentioned qualifications includes sufficient disciplinary learning in appropriate academic fields to enable lecturing a technical or vocational subject or field as taught at TVET colleges. The underpinning disciplinary knowledge or substantial component thereof in the prior qualification, must have been studied at the exit level of the entry qualification.
- b. *Selection criteria:*  
No further assessment will be done. 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](http://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:*  
Two years.
- f. *Presentation:*  
Block mode classes offered on a Saturday.
- g. *Exclusion and readmission:*  
See Chapter 2 of Students' Rules and Regulations.

### CURRICULUM

#### FIRST YEAR

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
ALY105X	Academic Literacy and Life Skills	(5)	(10)	
CBA107V	College Based Learning WIL IVA	(7)	(12)	
EDU107V	Education Studies IV	(7)	(15)	
ITE105V	ICT Literacy	(5)	(2)	
LLE105V	Language of Learning and Teaching: English	(5)	(3)	
TVA107V	Technical and Vocational Education Studies IVA	(7)	(17)	

**plus one of the following modules as determined by the school:**

CAC107V	Curriculum and Instruction: Primary Agriculture IV	(7)	(15)	
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CCL107V	Curriculum and Instruction: Clothing and Textiles IV	(7)	(15)
CCV107V	Curriculum and Instruction: Civil Engineering IV	(7)	(15)
CED107V	Curriculum and Instruction: Engineering and Related Design IV	(7)	(15)
CEG107V	Curriculum and Instruction: Electrical Engineering IV	(7)	(15)
CEI107V	Curriculum and Instruction: Engineering Sciences IV	(7)	(15)
CFE107V	Curriculum and Instruction: Finance, Economics and Accounting IV	(7)	(15)
CFO107V	Curriculum and Instruction: Office Administration IV	(7)	(15)
CHO107V	Curriculum and Instruction: Hospitality IV	(7)	(15)
CIC107V	Curriculum and Instruction: Information Technology and Computer Science IV	(7)	(15)
CME107V	Curriculum and Instruction: Mechanical Engineering IV	(7)	(15)
CMK107V	Curriculum and Instruction: Marketing IV	(7)	(15)
CMM107V	Curriculum and Instruction: Mathematics IV	(7)	(15)
CMO107V	Curriculum and Instruction: Mechatronics IV	(7)	(15)
CPF107V	Curriculum and Instruction: Process Plant Operations IV	(7)	(15)
CPN107V	Curriculum and Instruction: Process Instrumentation IV	(7)	(15)
CPU107V	Curriculum and Instruction: Public Relations IV	(7)	(15)
CTL107V	Curriculum and Instruction: Transport and Logistics IV	(7)	(15)
CTO107V	Curriculum and Instruction: Tourism IV	(7)	(15)

TOTAL CREDITS FOR THE FIRST YEAR: **74**

## SECOND YEAR

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
CBB107V	College Based Learning WIL IVB	(7)	(12)	College Based Learning WIL IVA
IBL107V	Industry-based Learning WIL IV	(7)	(8)	
TVB107V	Technical and Vocational Education Studies IVB	(7)	(17)	Technical and Vocational Education Studies IVA
TVM107V	Technical and Vocational Education and Training Management IV	(7)	(10)	

**plus one of the following language modules as determined by the school:**

LAK105V	Language of Conversational Competence: Afrikaans	(5)	(2)
LSE105V	Language of Conversational Competence: Sepedi	(5)	(2)



LSO105V	Language of Conversational Competence: Sesotho	(5)	(2)
LTS105V	Language of Conversational Competence: Xitsonga	(5)	(2)
LTW105V	Language of Conversational Competence: Setswana	(5)	(2)
LVE105V	Language of Conversational Competence: Tshivenda	(5)	(2)
LXH105V	Language of Conversational Competence: IsiXhosa	(5)	(2)
LZY105V	Language of Conversational Competence: IsiZulu	(5)	(2)

**plus one of the following modules as determined by the school:**

TVC107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Mathematics IV	(7)	(17)
TVD107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Engineering and Related Design IV	(7)	(17)
TVE107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Engineering Sciences IV	(7)	(17)
TVF107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Finance, Economics and Accounting IV	(7)	(17)
TVG107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Electrical Engineering IV	(7)	(17)
TVH107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Hospitality IV	(7)	(17)
TVI107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Information Technology and Computer Science IV	(7)	(17)
TVK107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Marketing IV	(7)	(17)
TVL107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Transport and Logistics IV	(7)	(17)
TVO107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Office Administration IV	(7)	(17)



TVP107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Process Plant Operations IV	(7)	(17)
TVT107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Tourism IV	(7)	(17)
TVR107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Mechatronics IV	(7)	(17)
TVV107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Civil Engineering IV	(7)	(17)
TVX107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Clothing and Textiles IV	(7)	(17)
TVY107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Primary Agriculture IV	(7)	(17)
TYN107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Process Instrumentation IV	(7)	(17)
TVU107V	Teaching, Learning and Researching in Technical and Vocational Education and Training: Public Relations IV	(7)	(17)
TOTAL CREDITS FOR THE SECOND YEAR:		<b>66</b>	
TOTAL CREDITS FOR THE QUALIFICATION:		<b>140</b>	

### 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)*

Focuses on the holistic development of life skills and values that relate to self, environment, responsible citizenship and healthy productive life. Students are equipped with skills that they can apply in real life situations. These skills include reading, typing, library information, information ethics and social behaviour. (Total tuition time: ± 10 hours)

#### C

##### **COLLAGE BASED LEARNING WIL IVA (CBA107V)**

##### **WORK-INTEGRATED LEARNING**

*(Module custodian: Department of Technology and Vocational Education)*

This module will enable the students to demonstrate the ability to facilitate learning within one of their subject areas of specialisation at accredited/selected Technical and Vocational Education and Training College of excellence. It will further enable them to reflect on their own teaching practice. (Total tuition time ± 12 hours)



**COLLAGE BASED LEARNING WIL IVB (CBB107V)****WORK-INTEGRATED LEARNING**

*(Module custodian: Department of Technology and Vocational Education)*

This module will enable the students to demonstrate the ability to facilitate learning within one of their subject areas of specialisation at accredited/selected Technical and Vocational Education and Training College of excellence. It will further enable them to reflect on their own teaching practice. (Total tuition time ± 12 hours)

**CURRICULUM AND INSTRUCTION: CIVIL ENGINEERING IV (CCV107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Civil Engineering. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: CLOTHING AND TEXTILES IV (CCL107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module equips the students with insight, didactical skills and knowledge to effectively teach in the subject area of Clothing and Textiles. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: ELECTRICAL ENGINEERING IV (CEG107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Electrical Engineering. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: ENGINEERING AND RELATED****1 X 3-HOUR PAPER****DESIGN IV (CED107V)**

*(Module custodian: Department of Technology and Vocational Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Engineering and Related Design. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: ENGINEERING SCIENCES IV (CEI107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Engineering Sciences. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: FINANCE, ECONOMICS AND****1 X 3-HOUR PAPER****ACCOUNTING IV (CFE107V)**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Finance, Economics and Accounting. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: HOSPITALITY IV (CHO107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Hospitality. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: INFORMATION TECHNOLOGY****1 X 3-HOUR PAPER****AND COMPUTER SCIENCE IV (CIC107V)**

*(Module custodian: Department of Technology and Vocational Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Information Technology and Computer Science. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: MARKETING IV (CMK107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Marketing. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: MATHEMATICS IV (CMM107V)****1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Mathematics. (Total tuition time ± 15 hours)



**CURRICULUM AND INSTRUCTION: MECHANICAL ENGINEERING IV (CME107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Mechanical Engineering. (Total tuition ± time 15 hours)

**CURRICULUM AND INSTRUCTION: MECHATRONICS IV (CMO107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Mechatronics. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: OFFICE ADMINISTRATION IV (CFO107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Office Administration. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: PRIMARY AGRICULTURE IV (CAC107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Primary Agriculture. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: PROCESS INSTRUMENTATION IV (CPN107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Process Instrumentation. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: PROCESS PLANT OPERATIONS IV (CPF107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Process Plant Operations. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: PUBLIC RELATIONS IV (CPU107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Public Relations. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: TOURISM IV (CTO107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Mathematics, Science and Business Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Tourism. (Total tuition time ± 15 hours)

**CURRICULUM AND INSTRUCTION: TRANSPORT AND LOGISTICS IV (CTL107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

This module equips the students with the insight, didactical skills and knowledge to effectively teach in the subject area of Transport and Logistics. (Total tuition time ± 15 hours)

**E**

**EDUCATION STUDIES IV (EDU107V) 1 X 3-HOUR PAPER**  
**(Module custodian: Department of Technology and Vocational Education)**

To provide students with knowledge, skills, values and attitudes that enable them to apply relevant learning theories in a reflexive manner. They will also be equipped with a theoretical and practical understanding of teaching and learning in a diverse range of schools. (Total tuition time: ± 31 hours)



**I****ICT LITERACY (ITE105V)****CONTINUOUS ASSESSMENT***(Module custodian: Department of Technology and Vocational Education)*

This module will equip students to master basic concepts and terminology of relevant computer hardware and software; and to identify legal, ethical and security issues related to information technology (theory). (Total tuition time: ± 20 hours)

**INDUSTRY-BASED LEARNING WIL IV (IBL107V)****WORK-INTEGRATED LEARNING***(Module custodian: Department of Technology and Vocational Education)*

This module will equip students to achieve currency of knowledge and skills. It will further assist students to be in line with the developments in their field, in order to improve the relevance of what they are teaching and its links to actual industry practice, technology and systems; and prepare them for the demands of the workplaces within which they will find themselves. (Total tuition time: ± 80 hours)

**L****LANGUAGE OF LEARNING AND TEACHING: ENGLISH (LLE105V)****1 X 3-HOUR PAPER***(Module custodian: Department of Applied Languages)*

This module equips students with the use of language appropriately, taking into account the audience, purpose and context. Furthermore, it will assist students to be able to demonstrate the use oral and written English effectively across the curriculum. (Total tuition time ± 30 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****AFRIKAANS (LAK105V)***(Module custodian: Department of Applied Languages)*

This module equips students with basic conversation skills, so that they can communicate with other people in Afrikaans, in a social context. (Total tuition time: ± 20 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****ISIXHOSA (LXH105V)***(Module custodian: Department of Applied Languages)*

This module equips students with basic conversation skills, so that they can communicate with other people in IsiXhosa, in a social context. (Total tuition time: ± 20 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****ISIZULU (LZY105V)***(Module custodian: Department of Applied Languages)*

This module equips students with basic conversation skills, so that they can communicate with other people in IsiZulu, in a social context. (Total tuition time: ± 20 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****SEPEDI (LSE105V)***(Module custodian: Department of Applied Languages)*

This module equips students with basic conversation skills, so that they can communicate with other people in Sepedi, in a social context. (Total tuition time: ± 20 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****SESOTHO (LSO105V)***(Module custodian: Department of Applied Languages)*

This module equips students with basic conversation skills, so that they can communicate with other people in Sesotho, in a social context. (Total tuition time: ± 20 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****SETSWANA (LTW105V)***(Module custodian: Department of Applied Languages)*

This module equips students with basic conversation skills, so that they can communicate with other people in Setswana, in a social context. (Total tuition time: ± 20 hours)



**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****TSHIVENDA (LVE105V)****(Module custodian: Department of Applied Languages)**

This module equips students with basic conversation skills, so that they can communicate with other people in Tshivenda, in a social context. (Total tuition time: ± 20 hours)

**LANGUAGE OF CONVERSATIONAL COMPETENCE:****CONTINUOUS ASSESSMENT****XITSONGA (LTS105V)****(Module custodian: Department of Applied Languages)**

This module equips students with basic conversation skills, so that they can communicate with other people in Xitsonga, in a social context. (Total tuition time: ± 20 hours)

**T****TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: CIVIL ENGINEERING IV (TVV107V)****1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Civil Engineering; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: CLOTHING AND TEXTILES IV (TVX107V)****1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Clothing and Textiles; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: ELECTRICAL ENGINEERING IV (TVG107V)****1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Electrical Engineering; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: ENGINEERING AND RELATED DESIGN IV (TVD107V)****1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Engineering and Related Design; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: ENGINEERING SCIENCES IV (TVE107V)****1 X 3-HOUR PAPER****(Module custodian: Department of Technology and Vocational Education)**

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Engineering Sciences; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)





**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: FINANCE, ECONOMICS AND ACCOUNTING IV (TVF107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Finance, Economics and Accounting; enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: HOSPITALITY IV (TVH107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Hospitality; enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: INFORMATION TECHNOLOGY AND COMPUTER SCIENCE IV (TVI107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Information Technology and Communication Science; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: MARKETING IV (TVK107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Marketing; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: MATHEMATICS IV (TVC107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Mathematics; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: MECHATRONICS IV (TVR107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Mechatronics; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: OFFICE ADMINISTRATION IV (TVO107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Office Administration; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)



**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: PRIMARY AGRICULTURE IV (TVY107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Primary Agriculture; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: PROCESS INSTRUMENTATION IV (TYN107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Process instrumentation; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: PROCESS PLANT OPERATIONS IV (TVP107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Process Plant Operation; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: PUBLIC RELATIONS IV (TVU107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Mathematics, Science and Business Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Public Relations; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: TOURISM IV (TVT107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Tourism; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TEACHING, LEARNING AND RESEARCHING IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING: TRANSPORT AND LOGISTICS IV (TVL107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module strengthens the integration and application of knowledge and skills of teaching, learning and research for effective teaching and learning in Transport and Logistics; and enhances the significance of integrating research in teaching and learning in line with digital technology to promote e-education. (Total tuition time: ± 17 hours)

**TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING MANAGEMENT IV (TVM107V)** **1 X 3-HOUR PAPER**

*(Module custodian: Department of Technology and Vocational Education)*

This module provides 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, particularly the practical vocational laboratory. (Total tuition time: ± 100 hours)



**TECHNICAL AND VOCATIONAL EDUCATION STUDIES IVA (TVA107V)**  
***(Module custodian: Department of Technology and Vocational Education)***

**1 X 3-HOUR PAPER**

This module provides knowledge, values, attitudes and skills that prepare prospective lecturers of TVET colleges to respond effectively to the challenges of the different sub-disciplines of Foundations of Education that is essential for the training of a lecturer. (Total tuition time: ± 170 hours)

**TECHNICAL AND VOCATIONAL EDUCATION STUDIES IVB (TVB107V)**  
***(Module custodian: Department of Technology and Vocational Education)***

**1 X 3-HOUR PAPER**

This module provides students with the knowledge and skills to reflect critically on various theoretical and practical aspects of education, as well as on how these aspects can contribute towards better education practices, and in doing so, becoming a more effective lecturer. The emphasis is on learning by doing or working technological prototypes. (Total tuition time: ± 170 hours)

