
NEW ERA COLLEGE
ARTS SCIENCE TECHNOLOGY
Education for Life
NEW ERA COLLEGE
TECHNOLOGY
PROSPECTUS

CONTENTS

ABOUT NEW ERA COLLEGE

Established in 2009, New Era College of Arts, Science and Technology has transformed Botswana's engineering landscape and now strives to be an innovative and research – driven tertiary institution of choice in Africa and beyond. As a leading engineering and technology BQA accredited technical and vocational (ETP) offering engineering and Business Management programmes, the College prides itself in graduates who receive industrial attachment and have been employed across various industries in the country. New Era College's campus and infrastructure is designed to facilitate a conducive learning environment that encourages the holistic development of its students.

VISION

A Leading Engineering and Technology Training Institution in Africa responsible for transforming peoples lives.

MISSION

To provide relevant quality education, research and training in Engineering and Technology aimed at promoting sustainable economic and social development.

VALUES

- Accountability
- Botho
- Credibility
- Inclusiveness
- Integrity
- Respect

2007
New Era College Department of Telecommunications Established

2008
New Era College Department of Electrical and Electronics Engineering Established

New Era College receives Interim license

New Era College OPENS Campus to its First Student Intake

New Era College Department of Construction Established

2010

New Era College Wins Highest Student Grade In Africa

New Era College Builds Sport Facilities

2011

New Era College Paves Road To The Library

2012

New Era College Opens Block B

New Era College Recieves Target 20, 000 Students

2013

New Era College Hosts First Wellness Day

New Era College Builds Nonagon Plazza

2014

New Era College Department of Mathematics Established

New Era College Department of Skills Development and Training Established

New Era College Block C Opened

2015

New Era College Launches B-Eng Programmes

New Era College First Graduation

2016

New Era College Hosts The Roving Torch For **BOTS50**

2017

HRDC FAIR
New Era College Awarded First Position For Best Private College

BREAST CANCER AWARENESS
New Era College is proudly associated with the Journey of Hope Breast Cancer Awareness.

2018

Ghodrati Foundation Scholarship Launched

New Era College Introduces STEM Education Programme

New Era College Graduates 509 students

New Era College Awarded Second Position For Best Private Colleges

2019

New Era College Anniversary Celebration

HRDC FAIR
New Era College Awarded First Position For Best Private Colleges

2020

New Era College contributes P100, 000.00 to the Covid-19 pandemic relief fund

2021

New Era College Partners with The Ghodrati foundation provides full Scholarships to six young Batswana

2022

New Era College Launches New Faculties

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ADMISSIONS AND SELECTION CRITERIA

Entry Requirements

FACULTY OF ENGINEERING AND FACULTY OF SCIENCE

Applicants should have credits at O'level, BGCSE or equivalent in Mathematics, Sciences and a PASS in English Language.

To be admitted into a Degree programme at YEAR 1, applicants must have completed BGCSE or equivalent.

FACULTY OF COMMERCE AND FACULTY OF SOCIETAL AND VOCATIONAL EDUCATION

Applicants should have a pass in five relevant subjects at O'level, BGCSE or equivalent passed with a minimum of grade C including English Language and a Mathematics.

Applicants with a diploma or equivalent, and/or are in-service can be admitted in the first semester of year two of the qualification. (Ts & Cs)

Any relevant vocational qualification at NCQF Levels 5 or 6 in Finance, Accounting, Economics, Business Studies, Human Resource Management and Marketing Management may render the candidate eligible for exemptions or credit transfer in accordance with applicable policies.

ADMISSION WITHOUT MINIMUM ENTRY REQUIREMENTS

Candidates may be considered for admission into any of the programmes above without BGCSE or equivalent provided they have successfully completed the NCC/BTEP programme or equivalents, and/or have relevant work experience. Candidates may have to enrol in core modules (Mathematics and English) or enter the programme at certificate level if they wish to enrol.

Orphan and Vulnerable Children

Orphan and Vulnerable Children (OVC) students may be granted admission into the Bachelor of Engineering Programme provided they have credit in Mathematics and two (2) sciences and at least a Pass in English. For Non- Engineering applicants a Pass in English and Non- Science related subjects would be acceptable.

ADMISSION WITH PRIOR LEARNING

A candidate may be considered for admission with relevant prior learning pertaining to the awarded level. To be considered for admission with prior learning, a candidate may apply for exemption from the successfully completed modules or courses from previous programmes of study. Evidence of successful completion of relevant modules/courses or their equivalents at the same level of the programme must be provided by the candidate. If the evidence is deemed satisfactory, the candidate shall be informed in writing specifying the modules from which he/she will be exempt and the modules he/she must study in order to complete the programme level applied for. A candidate can only be exempt from no more than 50% of modules/credits required. If the evidence is deemed unsatisfactory, the candidate will be informed accordingly. The candidate may apply to be considered without prior learning. The general entry requirements shall apply.

Level	Faculty	Minimum entry requirements
Bachelors (Level 8)	Engineering, Forensic Science	30 points at BGCSE or equivalent, with minimum of grade C in Mathematics and Sciences and D in English
	Commerce, Education	30 points at BGCSE or equivalent, with a minimum of grade D in English Language
Bachelors (Level 7)	Engineering, Forensic Science	30 points at BGCSE or equivalent, with minimum of grade C in Mathematics and Sciences and D in English
	Commerce, Education	30 points at BGCSE or equivalent, with a minimum of grade D in English Language
Diploma	Engineering, Forensic Science	30 points at BGCSE or equivalent, with minimum of grade C in Mathematics and Sciences and D in English
	Commerce, Education	30 points at BGCSE or equivalent, with a minimum of grade D in English Language
Certificate	Engineering, Forensic Science	30 points at BGCSE or equivalent, with minimum of grade C in Mathematics and Sciences and D in English
	Commerce, Education	30 points at BGCSE or equivalent, with a minimum of grade D in English Language

PROGRAMMES

FACULTY OF ENGINEERING	DURATION	NCQF LEVEL
Bachelor of Engineering (Honours) in Telecommunications	5 Years (6 months attachment)	8
Bachelor of Engineering in Construction	5 Years (6 months attachment)	8
Bachelor of Engineering in Electrical & Electronics	5 Years (6 months attachment)	8
Diploma in Telecommunications Engineering	3 Years (6 months attachment)	6
Diploma in Mechanical Engineering	3 Years (6 months attachment)	6
Diploma in Electrical & Electronics Engineering	3 Years (6 months attachment)	6
Diploma in Construction Engineering	3 Years (6 months attachment)	6
Diploma in Civil Engineering	3 Years (6 months attachment)	6
Diploma in Computer Engineering	3 Years (6 months attachment)	6
Diploma in Electrical & Electronics Engineering (Level 3 Diploma City & Guilds)	1 Year	5
FACULTY OF SCIENCE	**DURATION**	**NCQF LEVEL**
Bachelor of Science in Forensic Financial Accounting	4 Years (6 months attachment)	7
Bachelor of Science in Geology	4 Years (6 months attachment)	7
Bachelor of Science in Hospital Administration	4 Years (6 months attachment)	7
FACULTY OF COMMERCE	**DURATION**	**NCQF LEVEL**
Bachelor of Commerce in Marketing Management	4 Years (6 months attachment)	7
Bachelor of Commerce in Financial Management		7
Bachelor of Commerce in Digital Marketing		7
Bachelor of Commerce in Accounting		7
Bachelor of Commerce in Business Information & Technology Management		7
Bachelor of Commerce in Entrepreneurship		7
Bachelor of Business Administration in Logistic and Transport Management		7
Bachelor of Commerce in Supply Chain Management		7
Diploma in Hospitality Management	3 Years (6 months attachment)	6
Certificate in Computerised Accounting & Finance	1 Year	5
FACULTY OF SOCIETAL AND VOCATIONAL EDUCATION	**DURATION**	**NCQF LEVEL**
Bachelor of Education in Inclusive Education	4 Years (6 months attachment)	7

All Programmes are accredited by the Botswana Qualifications Authority and are available Full-time and Part-time

NON CREDIT BEARING SHORT COURSES

BUILDING CONSTRUCTION AND FINISHES	DURATION (Hours)
Bricklaying	80
Plastering	80
Painting	80
Tiling	80
Ceiling Installations & Design	80
COMMUNICATION SYSTEMS ENGINEERING	**DURATION (Hours)**
Optical Fibre Installation & Maintenance Skills	160
PBX Systems Installation, Configuration & Maintenance	80
CCTV Systems Installation, Configuration & Maintenance Skills	80
Professional Mobile Radio (PMR) Systems & Microwave (MW) links Installation, Configuration & Maintenance Skills	48
Electronic Equipment Repair & Maintenance Skills	40

FACULTY OF ENGINEERING

INTRODUCTION
The Faculty of Engineering programmes are intended to provide learners with a combination of analytical, design, and computing skills that underpin modern engineering practices, while promoting and encouraging the creativity and pertinent problem-solving skills indispensable to a modern-day engineer.

The Faculty of Engineering programmes also prepare learners for further studies, specialization areas, and post-graduate programmes.

INDUSTRY OVERVIEW
New Era College's Faculty of Engineering Programmes have been designed to respond timely and adequately to the ever-growing, dynamic requirements of the technical industry. The College has designed and developed industry-relevant engineering programmes to further advance the necessary knowledge and skills required of its graduates.

Our engineering programmes are designed to reflect and respond to local and regional demands while upholding international industry standards. New Era College's programmes are structured to provide highly specialized technologists and engineers whose rapidly evolving environment demands the need for a high performance and technically skilled workforce.

DEGREE PROGRAMMES
Bachelor of Engineering (Hons) in Telecommunications
Bachelor of Engineering in Construction
Bachelor of Engineering in Electrical & Electronics

DIPLOMA PROGRAMMES
Diploma in Telecommunications Engineering
Diploma in Mechanical Engineering
Diploma in Electrical & Electronics Engineering
Diploma in Construction Engineering
Diploma in Civil Engineering
Diploma in Computer Engineering

FACULTY OF APPLIED SCIENCE AND TECHNOLOGY

FACULTY OVERVIEW
Forensic sciences involves the Investigating crimes or examination of evidence using scientific methods or scientific expertise. It comprises various disciplines with similar or the same challenges or methodology. Programmes in this Faculty will address challenges that deal with providing reliable results, communication of findings in an understandable and accurate form, use of latest technology to identify crimes and report findings.

INDUSTRY OVERVIEW
Technology is taking a center stage in all sectors whether it is education, banking, health, government sector, industry etc,. As the use of technology increases the issue of crime and fraud increases, it is very essential that learners are sensitized and taught of the various cyber crimes and how to protect,and secure organisations. New Era College has understood that awareness of cybersecurity and Forensics Sciences programmes are of great importance for every nation's development, and for the safety and security of their people.

DEGREE PROGRAMMES
Bachelor of Science in Forensic Financial Accounting
Bachelor of Science in Geology
Bachelor of Science in Hospital Administration

FACULTY OF COMMERCE

INTRODUCTION
New Era College's Faculty of Commerce hosts four Schools. School of Accounting and Finance, School of Tourism and Marketing, School of Business Leadership and Entrepreneurship and School of Logistics and Supply Chain Management. The Faculty's mandate is to provide education, training, and award qualifications over a wide range of disciplines. It is dedicated to consistently providing high quality education by rendering effective service delivery, quality programmes and courses, and high levels of learning, living, health and sporting experiences for its students. Our innovative, robust and specialized training and qualifications provide learners with competencies in Commerce, Business Management, Finance, Economics, Marketing, Information Communication Technology (ICT), Education and Accounting. The Faculty of Commerce programmes also prepare learners for further studies, specialization areas, and post-graduate programmes.

INDUSTRY OVERVIEW
New Era College's Programmes have been designed to respond timely and adequately to the ever-growing, dynamic requirements of the technical industry. The College has designed and developed industry-relevant programmes to further advance the necessary knowledge and skills required of its graduates.

Our programmes are designed to reflect and respond to local and regional demands while upholding international industry standards. New Era College's programmes are structured to provide highly specialized graduates whose rapidly evolving environment demands the need for a high performance and technically skilled workforce.

FACULTY OF COMMERCE
Bachelor of Commerce In Accounting
Bachelor of Science in Hospital Administration
Bachelor of Business Administration In
Logistics and Transport Management
Bachelor Commerce in Business Information and Technology Management
Bachelor of Commerce In Supply Chain Management
Bachelor of Commerce In Marketing Management
Bachelor of Commerce In Financial Management
Bachelor of Commerce In Entrepreneurship
Bachelor of Commerce In Digital Marketing
Bachelor of Science In Forensic Financial Accounting

DEGREE PROGRAMMES
Level 6 Diploma in Hospitality Management
Level 6 Diploma in Hospitality Management

FACULTY OF SOCIETAL AND VOCATIONAL EDUCATION

FACULTY OVERVIEW
The Faculty of Education provides quality programmes in Special and Inclusive education to all students with special needs in line with international standards and in accordance to demands of the industry, applying innovative methods and modern technologies.

The Faculty of Inclusive Education ensures that all students have the opportunity to realize their potential and become valued members of society. The mandate of the Faculty of Special and Inclusive Education is to provide schools in Botswana with the much-needed skilled teachers, who will be able to educate learners with special needs in the ordinary classroom settings.

INDUSTRY OVERVIEW
Graduates of the Faculty of Special and Inclusive Education will be trained to acquire specialized knowledge and skills that will help them meet the unique needs of learners with various needs in diverse settings, working in inclusive and special schools, kindergartens, hospitals, neurological departments of hospitals, NGOs, centres providing psychological services and in medical-psychological-pedagogical assessment centres. The students will be equipped with knowledge of the training models, strategies, and philosophies that will help them in implementing appropriate educational techniques for learners with diverse needs in inclusive settings.

DEGREE PROGRAMMES
Bachelor of Education in Inclusive Education

BACHELOR OF ENGINEERING (Honors) IN TELECOMMUNICATIONS

480 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Engineering in Telecommunications is a degree programme designed to equip the learner with theoretical and practical knowledge. The graduates of this programme will demonstrate the ability to design and implement voice and data telecommunication in both fixed and mobile systems. The degree will further enable graduates to adequately manage protocols and standards that are applicable to a series of telecommunication networks while demonstrating the ability to identify and resolve advanced network complications. Students in this programme are required to fulfill a six-month work based learning semester to be completed in their third year.

Skills acquired from the programme:

- Integrate people, knowledge, telecommunication technologies, equipment, and resources for solving telecommunication problems in business/community environment.
- Create models for telecommunications network to evaluate performance with proper regard given to the underlying assumptions and limitations.
- Analyze telecommunications network systems to optimize network operations using testing and measuring telecommunication network equipment
- Troubleshoot telecommunication equipment by applying grounding theories and perform data analysis and interpretation when designing solutions to unfamiliar problems
- Evaluate and inform on relevant computer hardware and software needed for telecommunication infrastructure
- Install and configure computer hardware and software to facilitate telecommunication operations
- Work as a member of a project team and the talent for observing the ethical and professional codes of the electrical and electronic engineering industry
- Develop skills to project manage product life cycles, identifying areas for process improvement, and mapping the scope of new product development
- Ability to conduct applied research in electrical and electronic field, solve industrial and national problems

CAREER OPPORTUNITIES

- Telecommunications Engineer
- Telecommunications Technician
- Telecommunication Network Designer
- Security Analyst
- Project Manager
- Optical Fibre Industries
- Systems Engineer

YEAR 1

COURSES

Semester I
Engineering Mathematics I(MAT111)
Professional Communication Skills for Engineers (CMS111)
Electronics and Communications Workshop
Engineering Drawing
Engineering Science I

Semester II
Engineering Mathematics II
Electricity and Magnetism
Engineering Science II
End User Computing
Introduction to Programming Principles
Engineering Ethics

YEAR 2

Semester III
Engineering Mathematics III
Circuit Theory
Radio transmission Management
Network Fundamentals
Introduction to Python Programming

Semester IV
Engineering Mathematics IV
Digital Electronics System
Electromagnetic Theory
Electronic Devices
C++ Programming

YEAR 3

Semester V
Engineering Mathematics V
Analogue Circuit Design
Digital System Design
Signal & Systems
Structured Programming using C

Semester VI
Antenna & Propagation
Digital Communications
Group Project
Telecommunication Principles
Project Management for Engineers

WORK BASED LEARNING
(6 MONTHS)

Semester
Individual Project I
Embedded Systems Design
Network Engineering
Network Planning & Optimization
Distributed Computing/ELECTIVE 1
ICT System and Integration

Semester
Individual Project II
Entrepreneurship and Economic development
Microwave Satellite Communication
Optical Communications
Artificial Intelligence

YEAR 4

Semester VII
Mobile Communications
Digital Signal Processing
Microprocessor & Microcontroller Technology
Multimedia Compression Techniques
Research Methods in Engineering

Semester VIII
Industry Based Learning (BCE421)

YEAR 5

START

GRADUATION

BACHELOR OF ENGINEERING CONSTRUCTION

360 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Engineering Construction program is designed to equip students with the comprehensive knowledge, skills, and competencies required to excel in the construction industry. Graduates will be proficient in performing building construction and workshop practices, with a strong emphasis on health and safety in the workplace. They will develop the ability to produce and interpret complex engineering drawings and apply professional quantity surveying, estimating, and tendering techniques. The program also trains students to produce structural designs and manage construction projects effectively, adhering to project management principles and best practices. Additionally, students will gain a deep understanding of professional practice and ethics, as well as the capacity to conduct research related to the field of construction.

Skills acquired from the programme:

- Practice Health and safety in work settings.
- Perform building construction and workshop Practice.
- Produce and interpret complex engineering drawings.
- Practice professional quantity surveying, estimating and tendering techniques.
- Estimate, Tender and do Quantity Surveying.
- Produce Structural Designs.
- Demonstrate ability to manage construction projects in accordance with Project Management principles and practices.
- Demonstrate knowledge of Professional Practice and Ethics.
- Conduct Research related to Construction

CAREER OPPORTUNITIES

- Construction Engineers
- Building Plan Designers
- Building Contractors
- Construction and Interior Designers
- Construction Architecture
- Building Inspector
- Building Manager
- Building maintenance
- Building Sales and Services
- Site Manager
- Project Manager
- Lecturer

YEAR 1

COURSES

Semester I
Engineering Mathematics I MAT111
Professional Practice and Communication Skills BEC 111
Engineering Ethics BEC112
Engineering Drawing I BEC 113
Working Environment and Essential of Health and Safety BEC 114
Building Construction and Workshop Practice I BEC 115

Semester II
Engineering Mathematics II MAT121
Engineering Drawing IIBEC 121
Engineering Science BEC 123
Information and Computing Skills BEC 124
Building Construction and Workshop Practice II BEC 125

YEAR 2

Semester III
Engineering Mathematics III MAT211
Engineering Mechanics BEC 211
Surveying I BEC 212
Construction Materials BEC 213
Building Technology I BEC 214

Semester IV
Engineering Mathematics IV MAT221
Surveying II BEC 221
Strength of Materials BEC 222
Measurement and Specification BEC 223
CAD for Civil Engineers BEC 224

YEAR 3

Semester V
Engineering Mathematics V MAT311
Structural Analysis BEC 311
Building Technology II BEC 312
Building Service and Science BEC 313
Geology & Soil Mechanics BEC 314

Semester VI
Estimating and Tendering BEC 321
Fluid mechanics and Hydraulics BEC 322
Site Management BEC 323
Architectural Design BEC 324
Elective - I (Choose TWO Modules)
Highway Engineering BEC 325
Water Supply and Waste Water Engineering BEC 326
Interior Architectural Design BEC 327
Environmental Impact Assessment BEC 328

WORK BASED LEARNING
(6 MONTHS)

YEAR 4

Semester VII
Structural Design BEC 411
Quantity Surveying BEC 412
Project Management BEC 413
Law and Building Contracts BEC 414
Facility Maintenance, Planning and Management
BEC 415

Semester VIII
Industry Based learning (IBL) BEC 421

YEAR 5

Semester
Construction Economics BEC 511
Environmental Engineering Principles BEC 512
Project – I BEC 513
Elective - II (Choose ONE Module)
Contract Administration and Disputes Resolution BEC 514
Property Management and Evaluation BEC 515

Semester
Entrepreneurship and Economic Development BEC 521
Sustainable Engineering Practice BEC 522
Professional Practice and Ethics BEC 523
Project – II BEC 524

START

GRADUATION

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS

480 CREDITS

SCOPE OF THE PROGRAMME

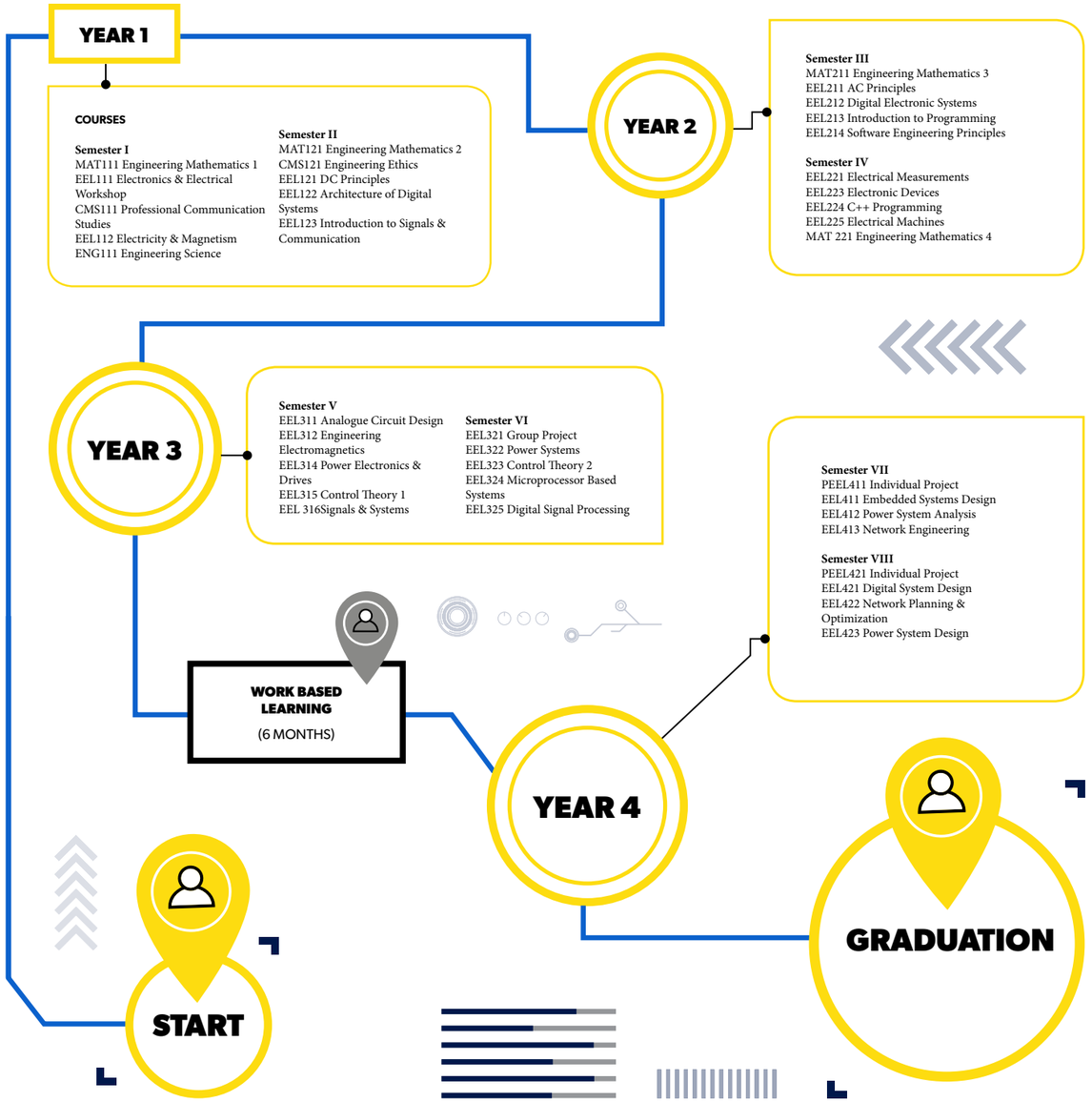
The Bachelor of Engineering in Electrical and Electronics is a degree programme designed to equip the learner with theoretical and practical knowledge. The graduates of this programme will demonstrate a keen understanding in the fields of Electrical and Electronics Engineering, applying a systematic approach in areas such as design, operations, planning and consulting. Students in this programme are required to fulfill a six-month industrial attachment to be completed in their third year.

Skills acquired from the programme:

- Critical thinking, problem solving and analytical skills to execute industrial tasks allied to analysis, design, implementation, deployment, and maintenance of electrical and electronics equipment, plants and infrastructure using techniques, theories and methodologies of electrical and electronics engineering
- Specialised electrical and electronic engineering skills-sets in technical knowledge, skills, and competence for troubleshooting that involves fault establishment, location and correction through the use of measuring and diagnostic equipment
- Creative and innovative skill to originate electrical and electronic equipment, plants, and infrastructure to solve industrial problems and needs
- Expert Skill to think logically and apply a particular rule or concept to a problem in order to solve it and to collaborate with other engineers of various disciplines towards solving complex engineering issues
- Capability of taking responsibility and accountability of work done in an electrical/electronics or multipurpose project
- Work as a member of a project team and the talent for observing the ethical and professional codes of the electrical and electronic engineering industry
- Develop skills to project manage product life cycles, identifying areas for process improvement, and mapping the scope of new product development
- Ability to conduct applied research in electrical and electronic field, solve industrial and national problems

CAREER OPPORTUNITIES

- Aircraft & Electronics industries
- Fixed & Mobile Telephone Networks
- Software Engineering
- Military
- Naval & Police Communication Systems
- Computer Engineering
- Microwave and Radar Systems
- Control and Instrumentation Engineer
- Electrical Engineer
- Broadcast Engineer
- Manufacturing Systems Engineer
- Systems Analyst
- Electronics Engineer



DIPLOMA IN TELECOMMUNICATIONS ENGINEERING

480 CREDITS

SCOPE OF THE PROGRAMME

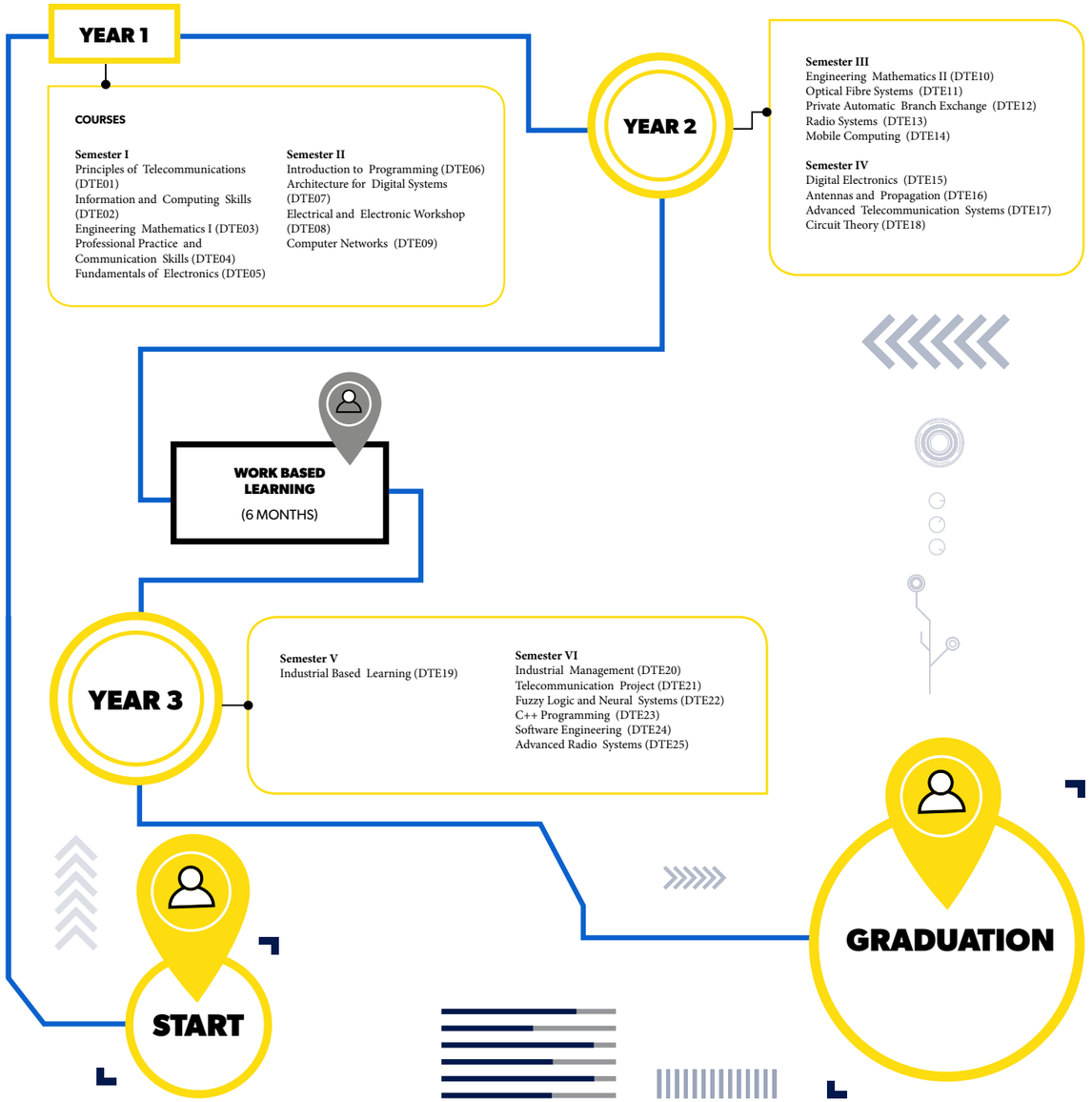
Diploma in Telecommunications Engineering is a Diploma Programme designed to enhance the hands-on and TVET skills of the learners, to equip students with dynamic and interdisciplinary skills that can enable them to integrate the acquired knowledge in the work environment. The students are taken through the courses like Mobile Computing, Antenna and Propagation, Network design and PABX, Optical fibre programming and installations, Dish installations, and Wireless Communication.

Skills acquired from the programme:

- Create models for telecommunications networks.
- Analyse telecommunications network systems to optimize network operations using testing and measuring telecommunication network equipment.
- Apply hardware and software tools to solve telecommunications technical and management problems.
- Troubleshoot telecommunication equipment and perform data analysis and interpretation when designing solutions to unfamiliar problems.
- Work effectively as part of project team in multi-purpose project especially electronics and telecommunications related projects.
- Communicate neatly to a range of audiences about Telecommunications technical issues and their solutions.
- Manage learning and professional development for purposes of lifelong learning.
- Observe cultural, ethical and professional matters that prevail and govern given environment in the best interest of working with all stakeholders in developing Telecommunications solutions.

CAREER OPPORTUNITIES

- Telecommunication Technician.
- Telecommunications Sales Officer.
- Computer and Electronic gadgets hardware inspector and Repairer
- Switchboard designer, repairer, and installer.
- Telephone - Private Automatic Branch Exchange installation and repairer officer
- Telecommunications Troubleshooting officer
- Call Centre Training and Development Facilitator.
- Wireless Systems technician.
- Optic Fibre Network Technician.
- Telecommunications Project team member.
- Field Service technician.
- Telecommunication outside Plant Technician



DIPLOMA IN MECHANICAL ENGINEERING

370 CREDITS

SCOPE OF THE PROGRAMME

Diploma in Mechanical Engineering was developed to equip students with knowledge and skills to integrate Mechanical, Electrical, and related engineering subjects. This learning programme has been developed to ensure efficiency in the portability across the Mechanical Engineering industry. This will allow for future career advancement across the various fields of specialization. Diploma in Mechanical Engineering reflects the skills, knowledge and understanding required to be an effective Mechanical Engineering professional, whether in micro, small, medium, or large operations. Students in this programme are required to fulfill a six-month work based learning semester to be completed in their third year.

Skills acquired from the programme:

- Demonstrate their knowledge in the professional background and regulations of mechanical engineering.
- Be involved in workshop practices and develop skills in grinding, cutting and welding of materials.
- Demonstrate applied engineering mechanics including kinematics, dynamics, statics and hydraulics
- Use appropriate manufacturing engineering methods and tools to improve engineering systems.
- Calculate derivations of basic equations of fluid mechanics in order to derive basic equations and the related assumptions.
- Apply Thermodynamics skills in industrial works.
- Design using computer aided design (CAD) applications.

CAREER OPPORTUNITIES:

- Mechanical technician
- Production Supervisor
- Senior manufacturing technician
- Quality Manager
- Plant Manager
- Project technician
- Machine Designer
- Senior Mechanical technician
- Field Service technician
- Mechanical Product Development technician

YEAR 1

COURSES

Semester I
DME01 Engineering Mathematics I
DME02 Engineering Science I
DME03 Professional Practice and Communication Skills
DME04 Information and computing skills
DME05 Mechanical Engineering Workshop Practice

Semester II
DME06 Engineering Mathematics II
DME07 Electrical and Electronics Workshop
DME08 Engineering Science II
DME09 Engineering Drawing I
DME10 Material Science and Metrology

YEAR 2

Semester III
DME11 Manufacturing Engineering I
DME12 Electricity and Magnetism
DME13 Strength of Materials
DME14 Engineering Drawing II
DME15 Introduction to Programming Principles

Semester IV
DME16 Thermodynamics
DME17 Refrigeration and Air conditioning
DME18 Manufacturing Engineering II
DME19 Fluid Dynamics and Pneumatics
DME20 Theory of Machines

WORK BASED LEARNING
(6 MONTHS)

YEAR 3

Semester V
DME21 Industrial Training (Industry Based Learning)(IBL)

Semester VI
DME22 Individual Project
DME23 Industrial Safety and Maintenance
DME24 CAD/ CAM
DME25 ELECTIVE I
DME26 ELECTIVE II

ELECTIVE I
DME25 Production Planning and Control
DME26 Power Plant Engineering
DME27 Industrial Engineering and Management

ELECTIVE II
DME28 Automobile Technology
DME29 Design of Machine Elements
DME30 Alternate Energy Sources and Management

START

GRADUATION

DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING

380 CREDITS

SCOPE OF THE PROGRAMME:

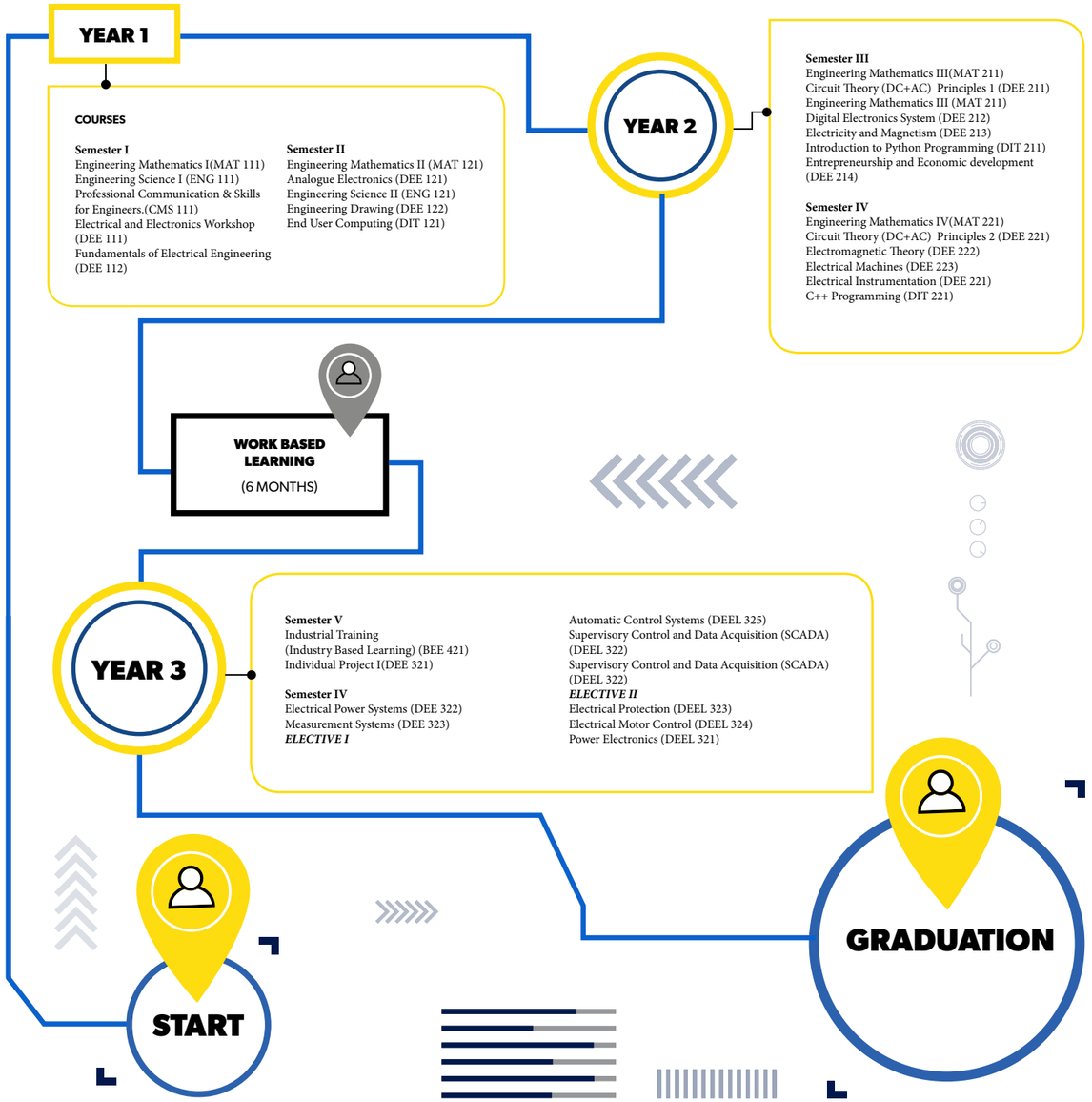
Diploma in Electrical Engineering was developed to equip students with the study, design, and application of equipment, devices, and systems which use electricity, electronics, and electromagnetism. Students in this programme are required to fulfill a six-months industrial work- based learning to be completed in their third year. The learner will have the skills necessary to do all industrial plant maintenance on electrical and electronic equipment, as well as to recognize and fix any challenging electrical and electronic problem diagnostics. The qualification assures portability within the Electrical Engineering sector and future career advancement across numerous domains of specialty.

Skills acquired from the programme:

- Effective electrical power management using electronic devices to prevent system failure.
- Design and install electrical power requirements of industrial, commercial or domestic applications.
- Troubleshoot Faults in electrical and electronic equipment by carrying out prescribed tests on the equipment.
- Maintenance of electrical machines and electronic equipment by replacing worn out components.
- Integrate knowledge in the generation, transmission and distribution of electrical Power in producing smart grid system.
- Monitor Transmission lines faults using SCADDER system.
- Install and programme computer hardware and software operations on electronic gadgets.
- Manage project life cycles, identifying areas for process improvement and mapping the scope of new product development.
- The capacity to carry out practical research in the electrical and electronic fields to solve industrial and national problems.
- Uphold Safety, Health, Environment and Quality (SHEQ)

CAREER OPPORTUNITIES

- Utilities (Power, Telecommunications, Water)
- Quasi government institutions (BOTEC)
- Government Ministries and departments (DPSM, Police, BDF, DBES)
- Private Companies (Mascom, Orange, Botsnet)
- Mining companies (Debswana, Tati)
- Private Consulting companies



DIPLOMA IN CONSTRUCTION ENGINEERING

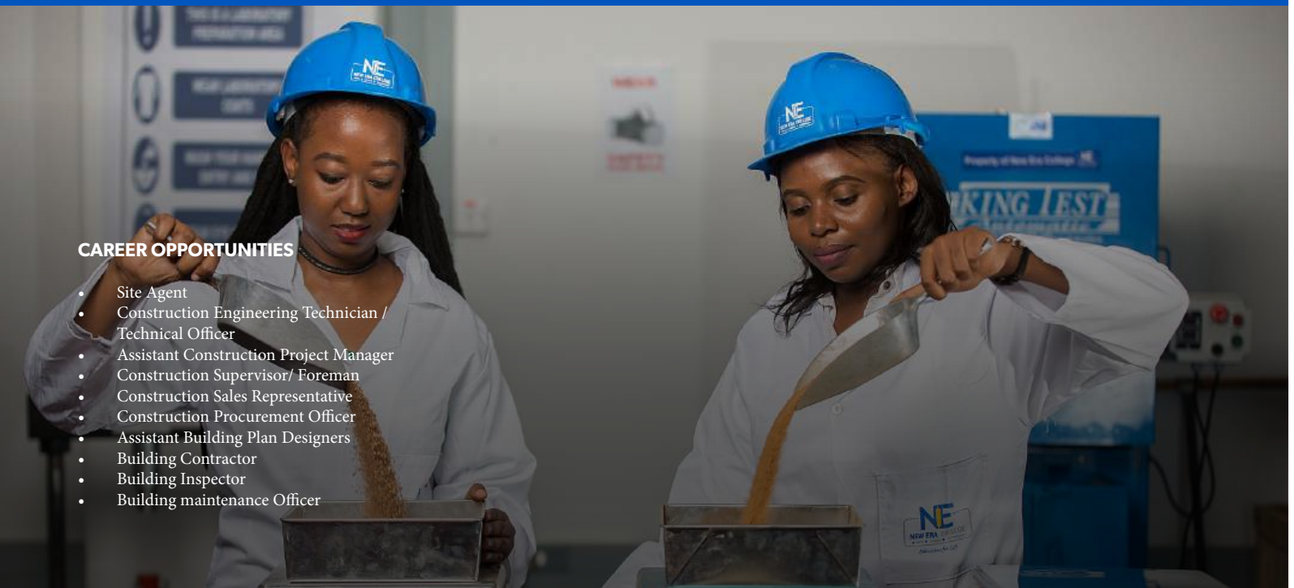
383 CREDITS

SCOPE OF THE PROGRAMME

The Diploma in Construction Engineering is a programme designed to meet local and international skill standards needed by employers. The programme produces graduates who have advanced technical knowledge and skills in construction and allied industries involving a critical understanding of theories and principles. It also qualifies individuals with the ability to apply varied and specialised techniques and procedures requiring skills in solving complex and unpredictable problems in the industry. During the last year of the programme, students have to complete 6 months of compulsory Industrial Based Learning to acquire hands-on industrial exposure and job competencies before they graduate.

Skills acquired from the programme:

- Development of advanced skills in construction to be able to supervise construction activities like brick masonry, woodwork, concerting, welding, finishing etc. including quality control and maintenances of safety to self, co-workers and the constructed components of the building.
- Development of advanced skills and concepts of computers and information Technology and practice on basic application soft wares for word processing, spread sheets and data base management
- Professional Practice and Communication skills
- Planning, controlling, monitoring and reviewing health and safety issues throughout the life of a project.
- Surveying and geo -informatics and how surveying information can be used in solving engineering problems that include setting out of construction work.
- Application of CAD drafting and design concepts
- Understanding of the properties and use of construction materials
- Selection of appropriate construction plant for specific construction operations that are based on plant output, quality of work, economic use of the plant and the nature of work to be done.



CAREER OPPORTUNITIES

- Site Agent
- Construction Engineering Technician / Technical Officer
- Assistant Construction Project Manager
- Construction Supervisor/ Foreman
- Construction Sales Representative
- Construction Procurement Officer
- Assistant Building Plan Designers
- Building Contractor
- Building Inspector
- Building maintenance Officer

YEAR 1

COURSES

Semester I
Building Construction and Workshop Practice I (DCE101)
Information and Computing Skills (DCE 102)
Engineering Mathematics I (MAT 111)
Professional Practice and Communication Skills (DCE 103)
Health and safety (DCE 104)

Semester II
Building Construction and Workshop Practice II (DCE 105)
Surveying 1 (DCE 106)
Technical Drawing (DCE 107)
Technical Drawing (DCE 107)
Engineering Mathematics II (MAT121)
Engineering Science & Mechanics(DCE 108)

YEAR 2

Semester III
CAD for Civil Engineers(DCE 209)
Surveying II(DCE 210)
Engineering Mathematics III(MAT 211)
Science and Materials for Construction and the Built Environment(DCE 211)
Building Technology(DCE 212)
Construction Plant and Equipment(DCE 213)

Semester IV
Quantity Surveying(DCE 214)
Engineering Mathematics IV (MAT221)
Hydraulics & Soil mechanics(DCE 215)
Building Services in Construction(DCE 216)
Construction Management(DCE 217)

WORK BASED LEARNING
(6 MONTHS)

YEAR 3

Semester V
Industrial attachment (DCE318)

Semester VI
Entrepreneurship Development(DCE 319)
Structural Mechanics(DCE 320)
Sustainable Engineering Practice(DCE 321)
Construction law and Contract(DCE 322)
Project(DCE 323)

START

GRADUATION

DIPLOMA IN CIVIL ENGINEERING

395 CREDITS

SCOPE OF THE PROGRAMME

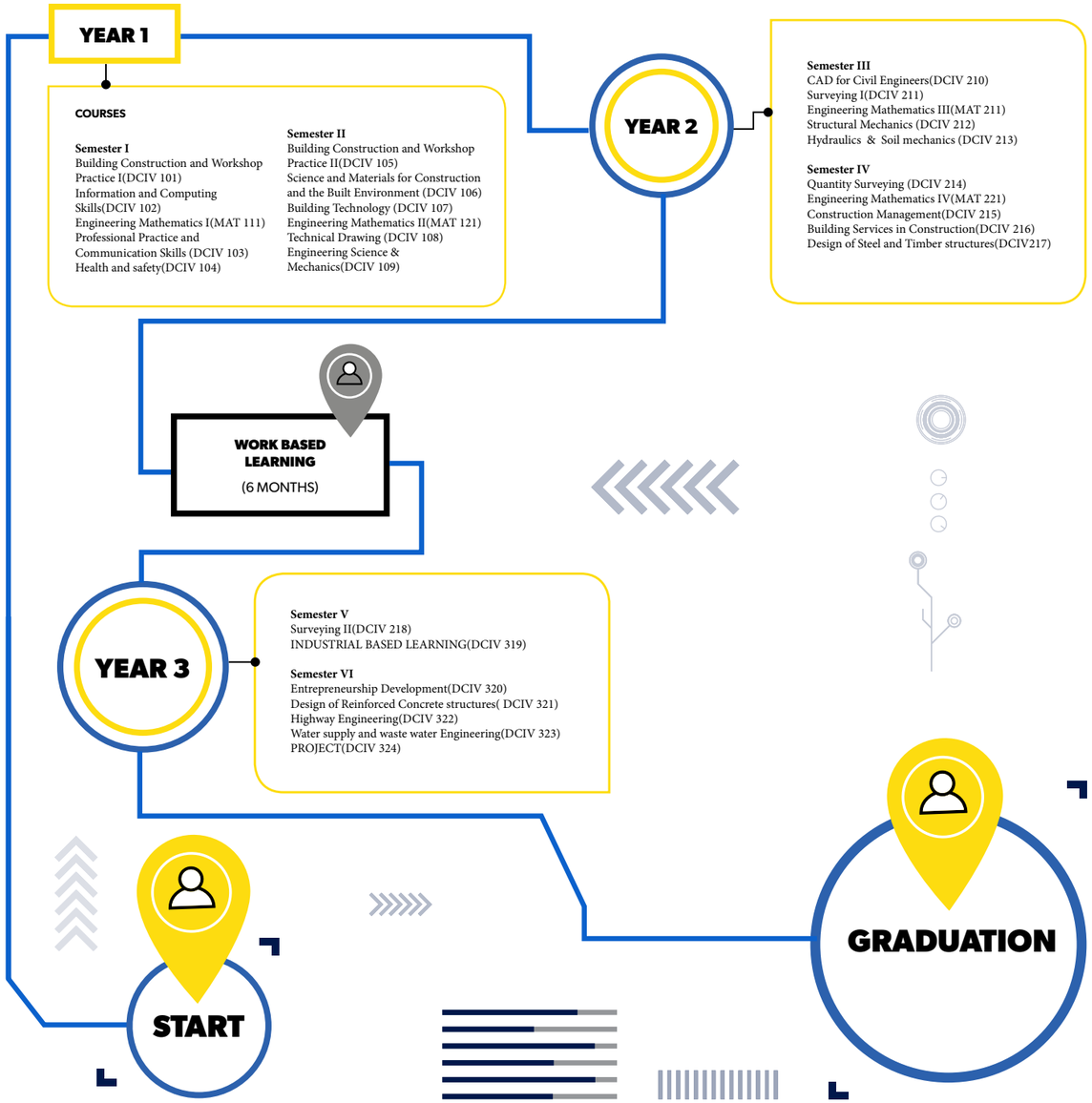
This programme aims to equip students with the foundational knowledge and practical skills necessary to pursue careers in the civil engineering sector. The curriculum is designed to cover a broad range of topics essential for the planning, design, construction, and maintenance of infrastructure systems and projects. This program prepares graduates to meet the demands of the construction industry by combining theoretical instruction with hands-on experience as well as in managing the business and finance section.

Skills acquired from the programme:

- Demonstrate understanding of health and safety methodologies in the working environment.
- Apply basic drawing skills in the production of graphical information using both manual and computer-aided drafting techniques.
- Develop an understanding of the scientific principles determining the behavior of materials and the technological processes involved in construction projects.
- Demonstrate proficiency in masonry work.
- Demonstrate skills in the use of various surveying equipment.
- Carry out the design of various structural elements.
- Demonstrate basic knowledge of fluids at rest and in motion and their effects on other bodies.
- Apply basic concepts of road geometrics, surveys and plans, elements of traffic engineering, and materials in the design, construction, and maintenance of highways.
- Conduct construction engineering research projects.
- Apply knowledge, skills, and competencies gained from real work situations during industrial attachment.
- Demonstrate a range of interpersonal and transferable communication skills.
- Apply concepts of mechanics to solve engineering problems.
- Use advanced simulation tools for environmental performance analyses and identify the correct energy system for specific buildings.
- Acquire confidence to demonstrate capacity to lead and manage change through collaboration with others.

CAREER OPPORTUNITIES

- Project Consultants
- Structural Engineer
- Civil Engineer
- Geotechnical Engineers
- Site Engineers
- Site Inspector
- Construction Engineers
- Project Engineer
- Project Managers
- Contractors
- Environmental Engineer
- Civil Engineering Technicians
- Architects
- Surveyors
- Estimation
- Marketing



DIPLOMA IN COMPUTER ENGINEERING

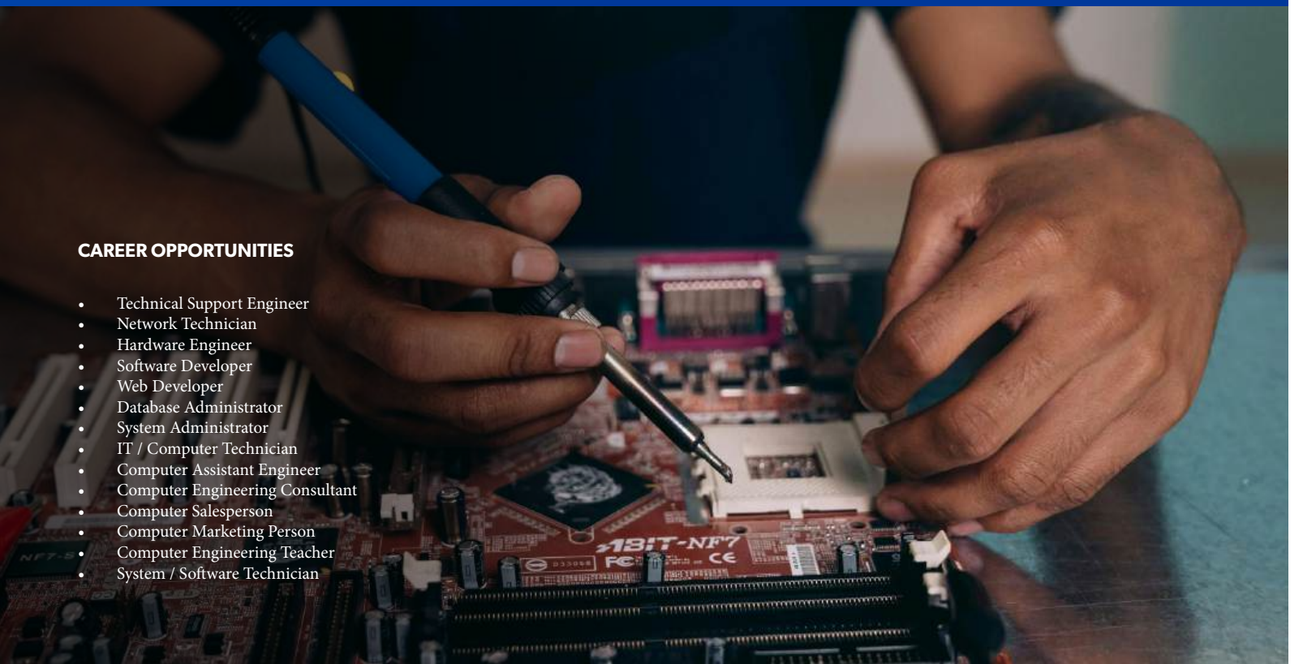
360 CREDITS

SCOPE OF THE PROGRAMME

This is a 3 year programme that opens the graduate up for various career opportunities and serve as a good foundation for the graduate to further his/her education. Some of the skills that will enhance the graduate employability are programming skills, web development skills, problem solving skills, communication skills and entrepreneurship skills which are all fused in the programme. The programme also promotes TVET through its theoretical and practical teaching methods. The programme through the 6 months industry based learning gives the graduate work based experiences that ensures learners gain industry experience during the course of the programme. At the end of the programme, the graduate are expected to be competent and skilled in computing.

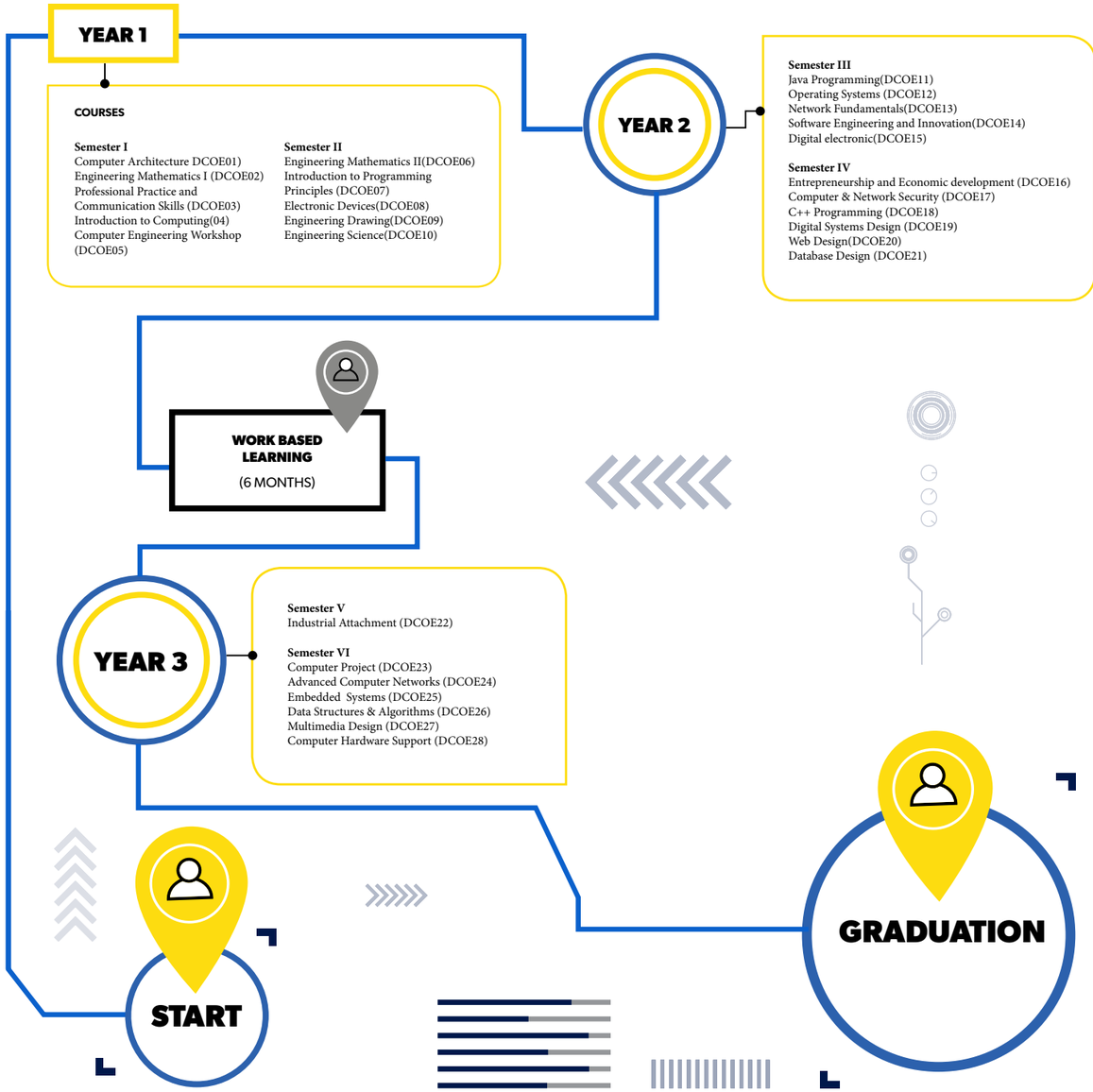
Skills acquired from the programme:

- Gain proficiency in programming languages such as Python, Java, C++, or JavaScript.
- Develop strong analytical and problem-solving skills to troubleshoot and resolve technical issues efficiently.
- Enhance communication skills to effectively interact with clients, colleagues, and stakeholders.
- Stay updated with the latest technology trends and advancements through continuous learning and professional development.
- Acquire creativity on how to manage individual business through effective communication and leadership qualities
- Provide technical assistance and support for software, hardware, and network issues.



CAREER OPPORTUNITIES

- Technical Support Engineer
- Network Technician
- Hardware Engineer
- Software Developer
- Web Developer
- Database Administrator
- System Administrator
- IT / Computer Technician
- Computer Assistant Engineer
- Computer Engineering Consultant
- Computer Salesperson
- Computer Marketing Person
- Computer Engineering Teacher
- System / Software Technician



BACHELOR OF SCIENCE IN GEOLOGY

525 CREDITS

SCOPE OF THE PROGRAMME

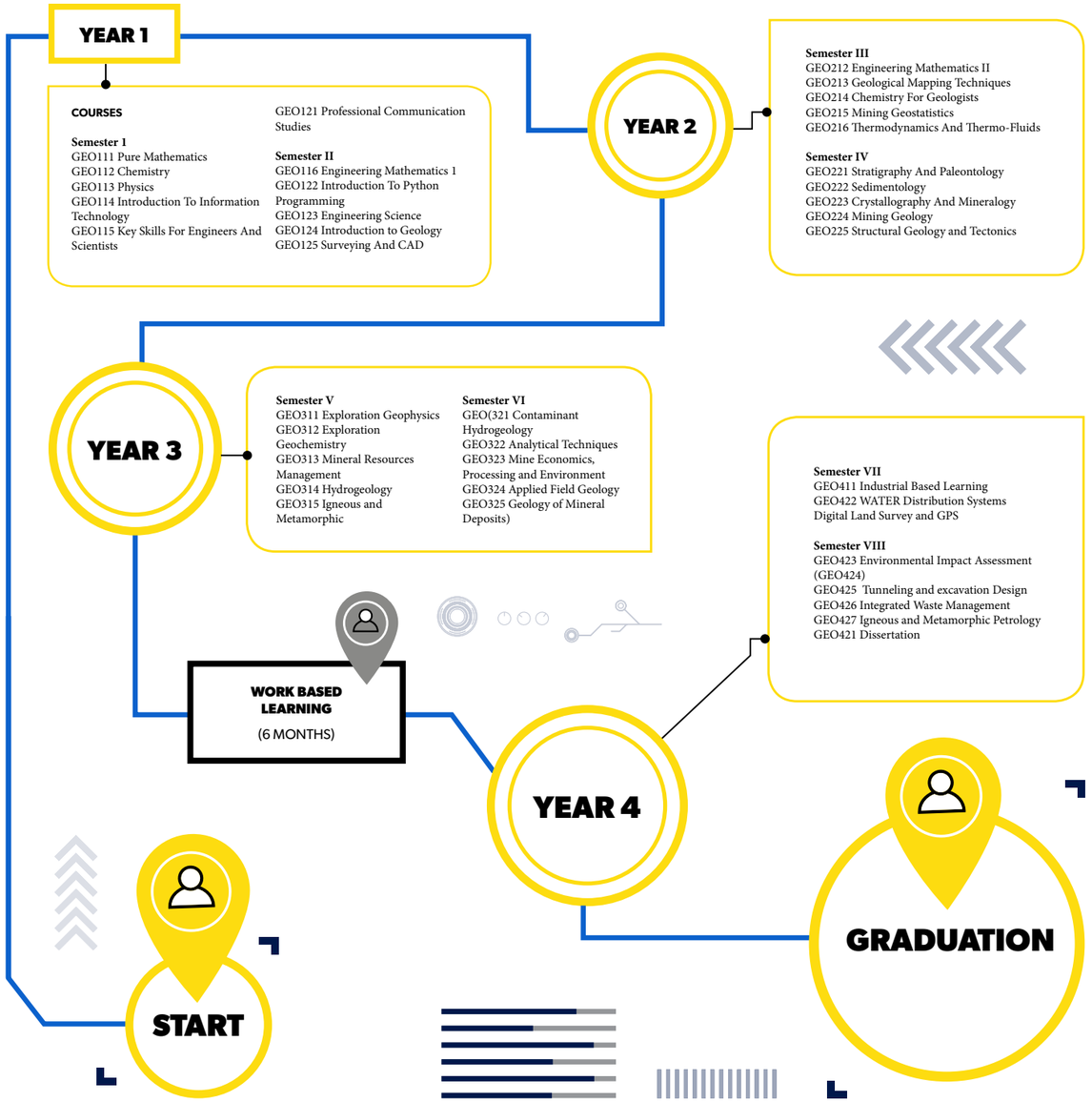
Bachelor of Science in Geology was developed to equip students with dynamic and interdisciplinary knowledge and skills in the field of Geology

Skills acquired from the programme:

- Gain experience in recording field data and use their own data to interpret geological processes and environments.
- Integrate knowledge and skills from the different modules and make its graduates more adaptable and marketable in the mining industry, whether in micro, small, medium or large operations.
- Gain generic geological competencies and workplace skills required across the mining industry.
- Allow for future career advancement across the various fields of specialization in the mining sector. Allow graduates to be attractive to businesses in the private and public mining sectors in micro, small, medium or large operations.
- Allow graduates to get career positions as Certified Geologists through the Geo Science Institute of Botswana and engage in employment in public and private mining organizations.

CAREER OPPORTUNITIES

- Geology Engineers
- Geophysics
- Mineral Surveyors
- Engineering geologist
- Geochemist
- Geophysicist
- Geoscientist
- Geotechnical engineer
- Hydrogeologist
- Mud logger
- Wellsite geologist
- Lecturer
- Postdoctoral Researcher
- Professor



BACHELOR OF SCIENCE IN FORENSIC FINANCIAL ACCOUNTING

528 CREDITS

SCOPE OF THE PROGRAMME

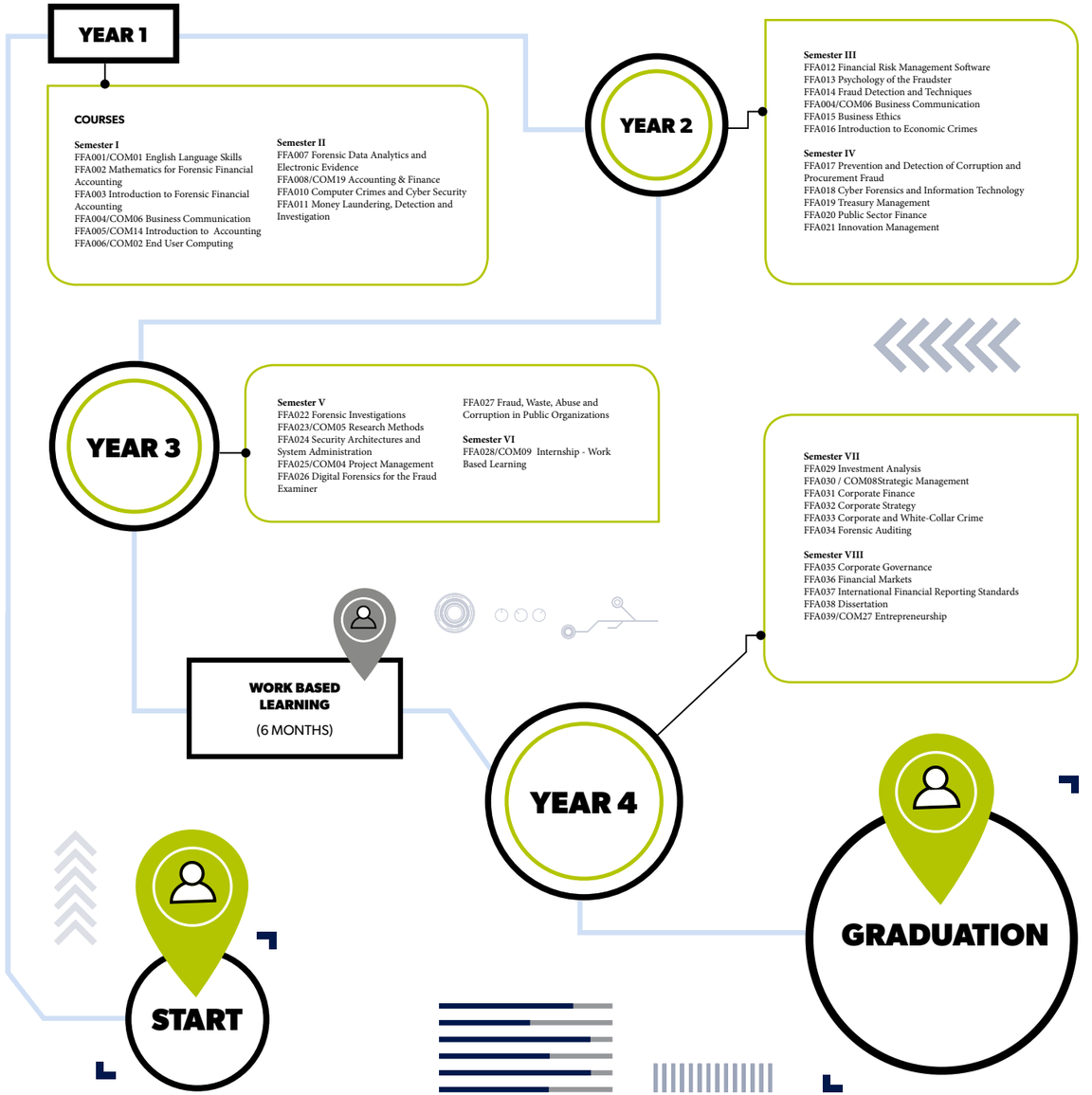
The Bachelor of Science in Forensic Financial Accounting is designed to produce graduates to be high calibre, technology literate Forensic Accountants who are equipped with knowledge and skills in the following: Forensic Accounting Investigation, Forensic Auditing, Litigation support, Fraud Examination, utilize rapidly developing information technologies widely used by the Forensic Accounting sector, resolving legal disputes and or arbitration, preparing and submitting expert reports, Supporting judges in subjects relating to accounting , verification of accounting records and supporting due diligence.

Skills acquired from the programme:

- Fraud investigative skills
- Forensic auditing skills
- Taxation skills
- Auditing skills
- Accounting and Financial reporting skill
- Litigation support skills
- Work based Learning skills

Career Opportunities:

- Forensic Accountant
- Forensic Auditor
- Fraud Investigator
- Investigative Account Assistant



BACHELOR OF COMMERCE IN ACCOUNTING

528 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Commerce in Accounting is a robust programme with courses designed to give learners a competitive edge with real life skills for a variety of accounting roles in public, private, NGO's and government careers. The programme qualifies learners to enter several highly respected international professional accounting bodies such as the Botswana Institute of Accountants, Association of Chartered Certified Accountants, and Chartered Institute Management Accountants.

Skills acquired from the programme:

- Innovation Management skills
- Entrepreneurial skills
- Taxation skills
- Auditing skills
- Asset management skills
- Accounting and Financial reporting skills
- Work Based Learning skills

CAREER OPPORTUNITIES

- Accountant (Senior and Chief)
- Auditor (Senior Audit Manager)
- Educationist (Accounting)
- Taxation
- Chief Accounts Manager
- Chief Accounts Officer
- Account Consultant
- Senior Level Manager

YEAR 1

COURSES

Semester I
ACC001/COM01 English Language Skills
ACC002/COM14 Principles of Marketing
ACC003/COM02 End User Computing
ACC004/COM15 Principles of Human Resource Management
ACC005/COM03 Business Mathematics
ACC006/COM19 Accounting & Finance
ACC007/COM20 Fundamentals of Project Management

Semester II
ACC008/COM10 Business Statistics
ACC009/COM06 Business Communication
ACC010 Commercial Law I
ACC011 Financial Accounting I
ACC012/COM11 Basic Economics
ACC013/COM16 Principles of Management

YEAR 2

Semester III
ACC014/COM18 Functional Areas of Management
ACC015 Financial Accounting II
ACC016 Commercial Law II
ACC017/COM12 Microeconomics
ACC018 Auditing I

Semester IV
ACC019/COM13 Macroeconomics
ACC020 Auditing II
ACC021/COM17 Fundamentals of Operations Management
ACC022 Taxation I

YEAR 3

Semester V
ACC023 Cost and Management Accounting I
ACC024 Taxation II
ACC025 Accounting Information Systems
ACC026 Financial Accounting III
ACC027 Tax Law and Practice /
ACC028/COM35 Audit Practice and Assurance Services

Semester VI
ACC029/COM09 Internship - Work Based Learning

WORK BASED LEARNING
(6 MONTHS)

YEAR 4

Semester VII
ACC030/ COM05 Research Methods
ACC031 Cost and Management Accounting II
ACC032 Corporate Finance
ACC033 / COM08 Strategic Management
ACC034 Public Sector Accounting
ACC035 Financial Reporting I

Semester VIII
ACC036/ COM04 Business Ethics
ACC037/COM27 Entrepreneurship
ACC038/COM07 Research Capstone Project
ACC039 Financial Reporting II
ACC040/COM34 Innovation Management

START

GRADUATION

BACHELOR OF COMMERCE IN FINANCIAL MANAGEMENT

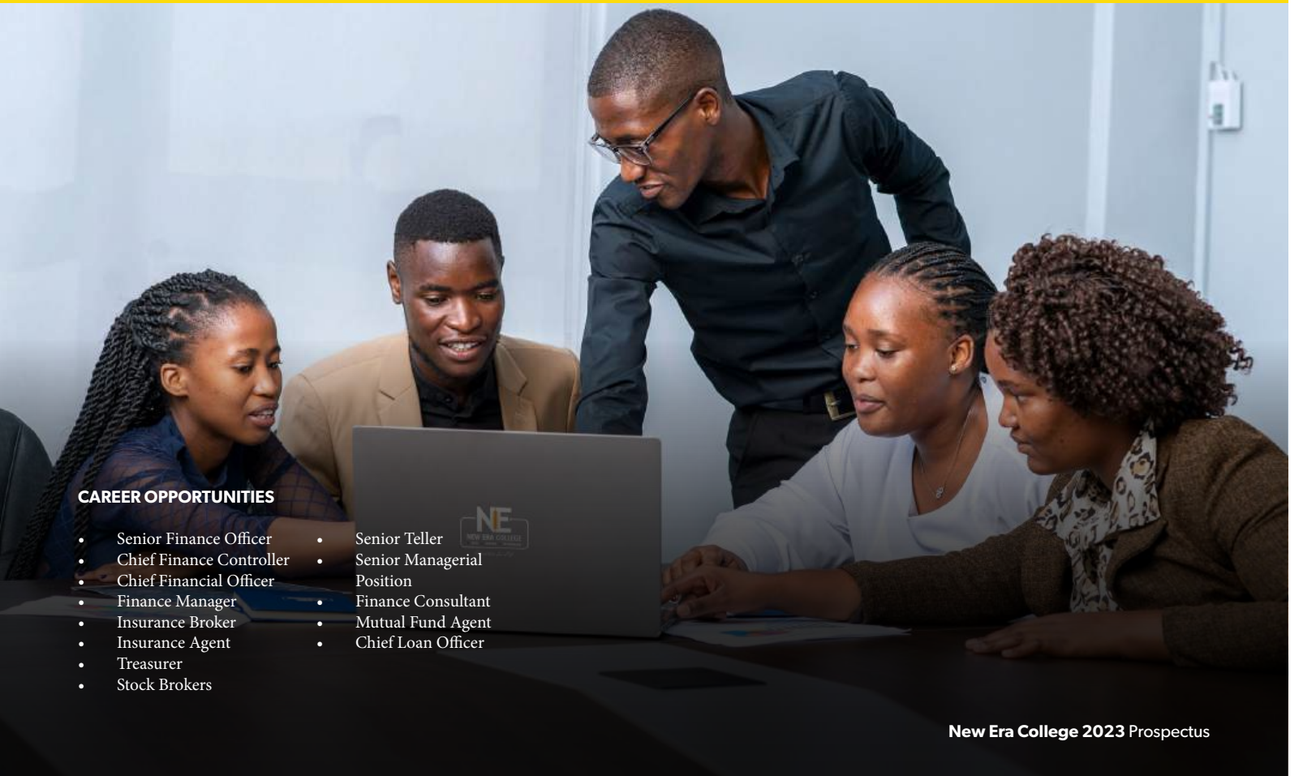
528 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Commerce in Financial Management is a programme designed to produce graduates with competencies in finance consultancy, financial risk management, pension fund management, investment management and financial market analysis to enable them to perform efficiently and effectively in a business environment. The programme explores financial concepts such as capital, cash budgets, analysis of financial statements, taxation, and commercial law and provides a comprehensive overview of financial management.

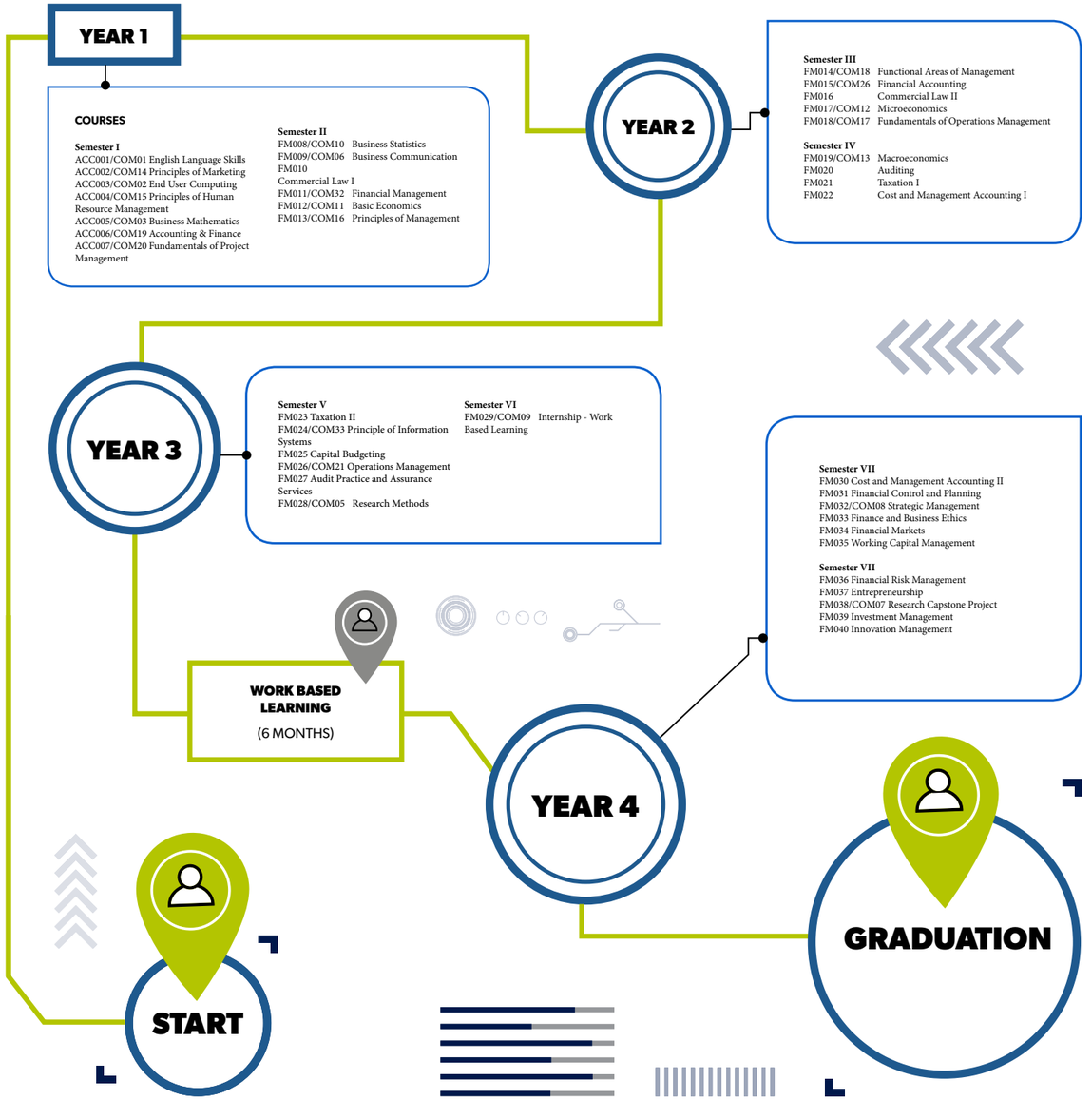
Skills acquired from the programme:

- Pension Fund Management
- Investment Management
- Entrepreneurial Skills
- Work based Learning skills
- Financial Market Analysis
- Asset Management skills



CAREER OPPORTUNITIES

- Senior Finance Officer
- Chief Finance Controller
- Chief Financial Officer
- Finance Manager
- Insurance Broker
- Insurance Agent
- Treasurer
- Stock Brokers
- Senior Teller
- Senior Managerial Position
- Finance Consultant
- Mutual Fund Agent
- Chief Loan Officer



CERTIFICATE IN COMPUTERISED ACCOUNTING & FINANCE

125 CREDITS

SCOPE OF THE PROGRAMME

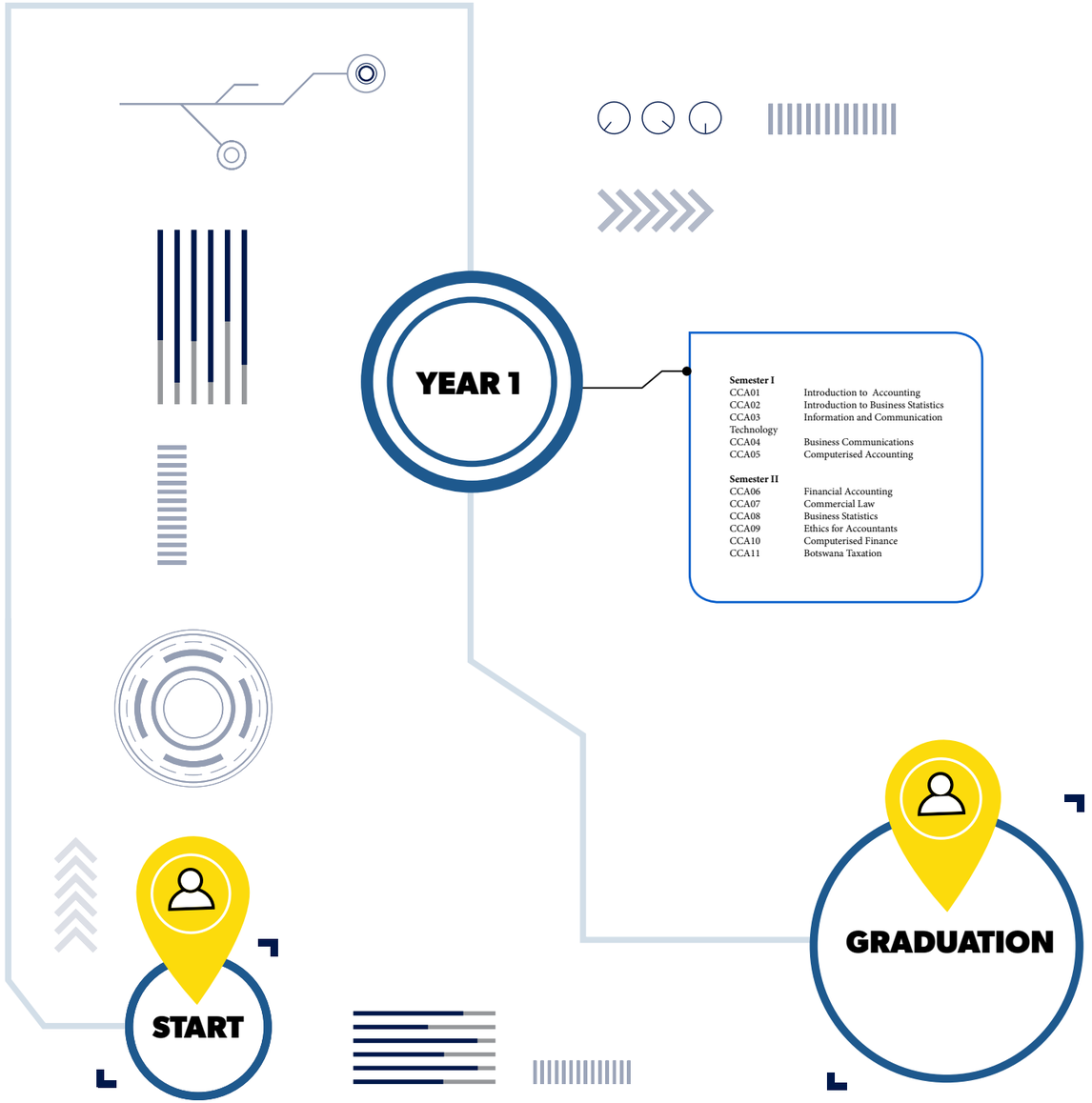
The Certificate in Computerised Accounting equip students with knowledge and skills to integrate Computerised Accounting, Financial Accounting, Business Statistics, and Ethics for Accountants, Computerised Finance, and Botswana Taxation. This Programme has been developed to ensure portability across the Accounting Industry allowing learners to advance their careers across various fields of specialization. The Certificate in Computerised Accounting reflects the skills, knowledge and understanding required to be an effective Computerised Accounting professional, whether in micro, small, medium or large operations. The Learning Programme consists of generic Computer and Accounting competencies, as well as generic technical competencies. Learners who attain this qualification can get employed in Public and Private Accounting Organisations.

Skills acquired from the programme:

- Demonstrate an understanding of Computerised Accounting methods
- Manage Computerised Accounting activities
- Establish criteria and performance measures in Certificate in Computerised Accounting
- Assess and report technical and procedural applications within the broad field of Certificate in Computerised Accounting
- Develop a high level of expertise in Computerised Accounting that can contribute to safety, cost or effectiveness in operation
- Certify the quality of Computerised Accounting work and the condition of equipment and systems in defined circumstances laid down in recognized standards and codes of practice
- Interact effectively with professionals and practitioners in Computerised Accounting, stakeholders and clients to ensure that Computerised Accounting outcomes and developments are fully integrated with the overall system and context
- Interpret technological possibilities, to investigate interfaces, limitations, consequences, costs and risks
- Manage Computerised Accounting activities

CAREER OPPORTUNITIES

- Accounts Assistant
- Accounting Specialist
- Administrator



BACHELOR OF COMMERCE IN MARKETING MANAGEMENT

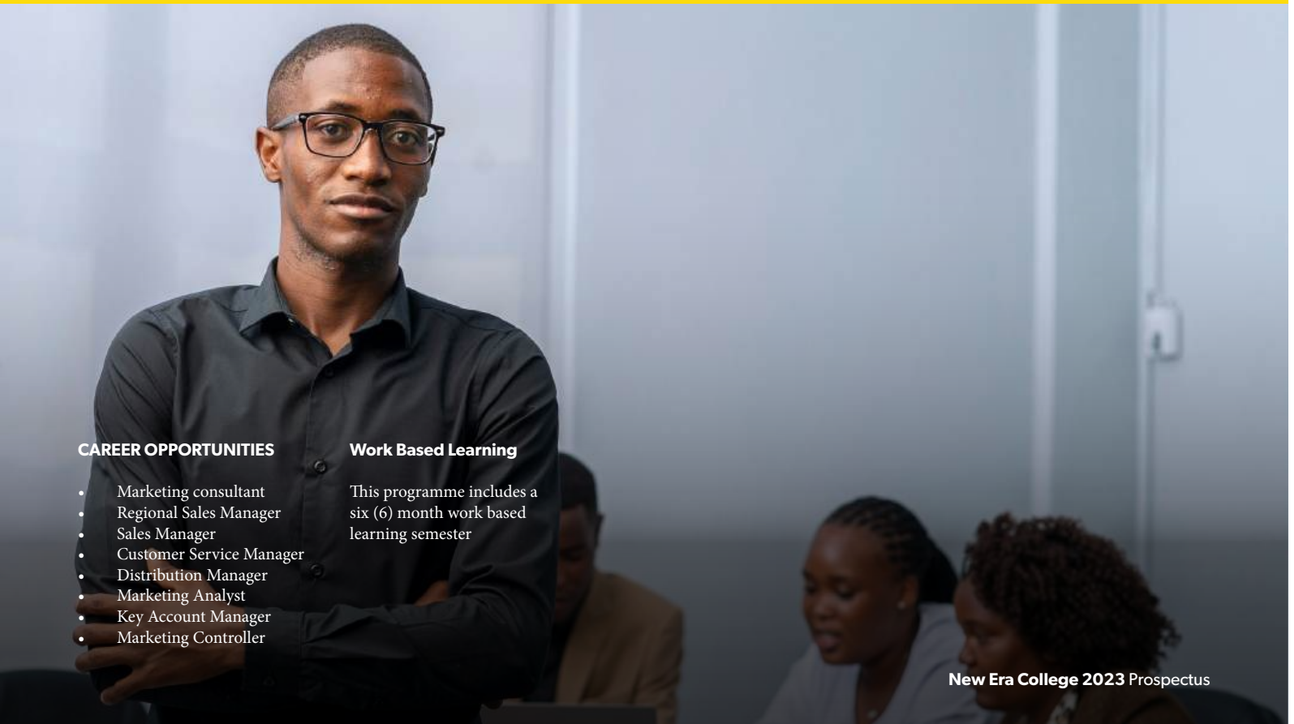
528 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Commerce in Marketing Management is aimed at developing graduates with competencies in Research, Communication, Business law, Use of contemporary Information Communication Technology (ICT) equipment, and Strategy implementation. Learners in this programme proceed through the curriculum in a planned sequence that culminates with the development business fundamentals and of managing and planning a marketing plan. The qualification also introduces learners to critical thinking skills by providing them with practical marketing principles, examples, and case studies, all of which develop the candidate's cognitive abilities and enable them to develop marketing strategies across various fields, specialties and sectors.

Skills acquired from the programme:

- Innovation management skills
- Entrepreneurial skills
- Work based Learning skills
- Research , analysis and presentation skills
- Product and brand management
- Advanced planning and strategic thinking
- The ability to use your own initiative and think creatively

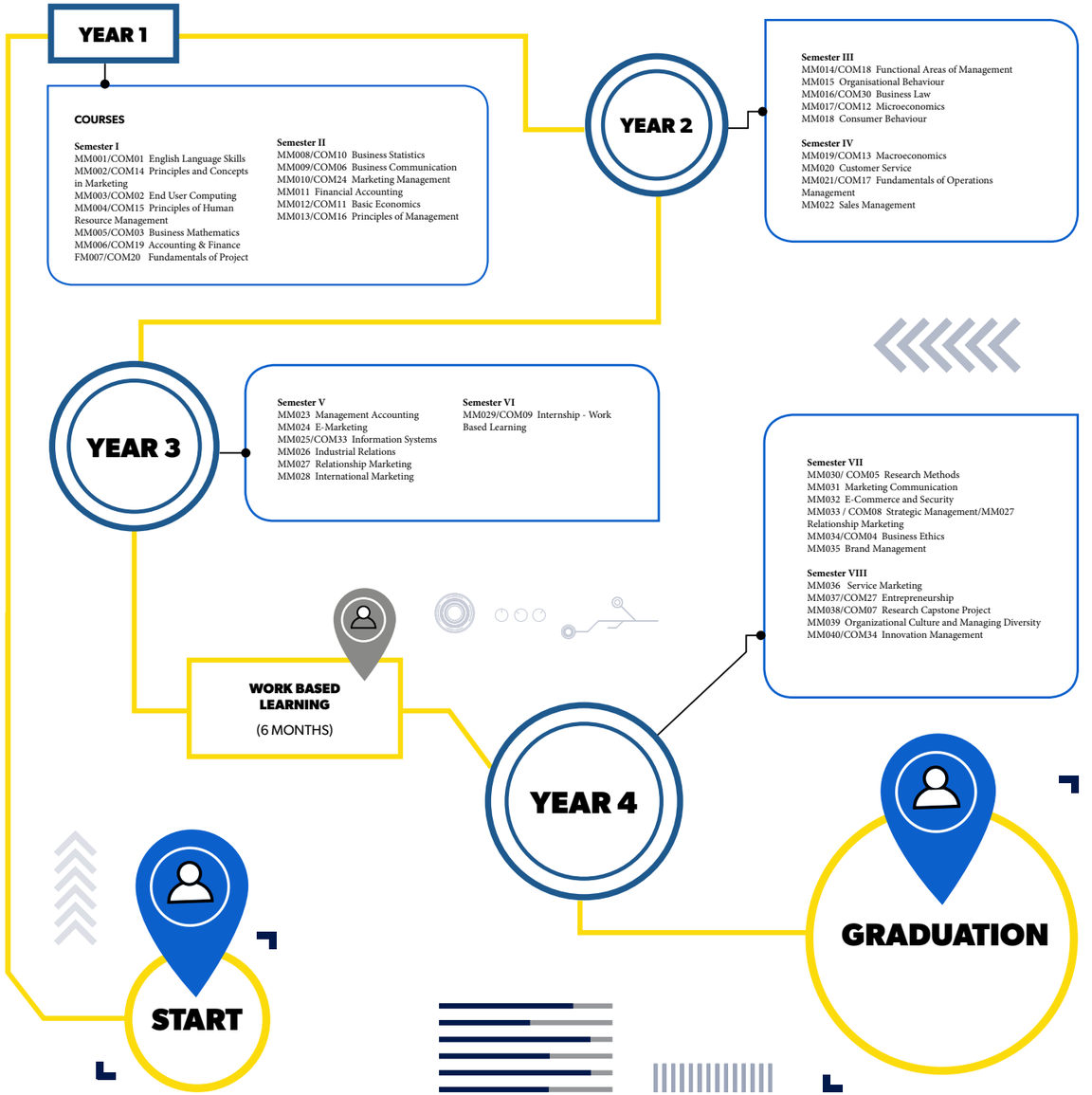


CAREER OPPORTUNITIES

- Marketing consultant
- Regional Sales Manager
- Sales Manager
- Customer Service Manager
- Distribution Manager
- Marketing Analyst
- Key Account Manager
- Marketing Controller

Work Based Learning

This programme includes a six (6) month work based learning semester



SCHOOL OF BUSINESS LEADERSHIP AND ENTREPRENEURSHIP

BACHELOR OF COMMERCE IN BUSINESS INFORMATION & TECHNOLOGY MANAGEMENT

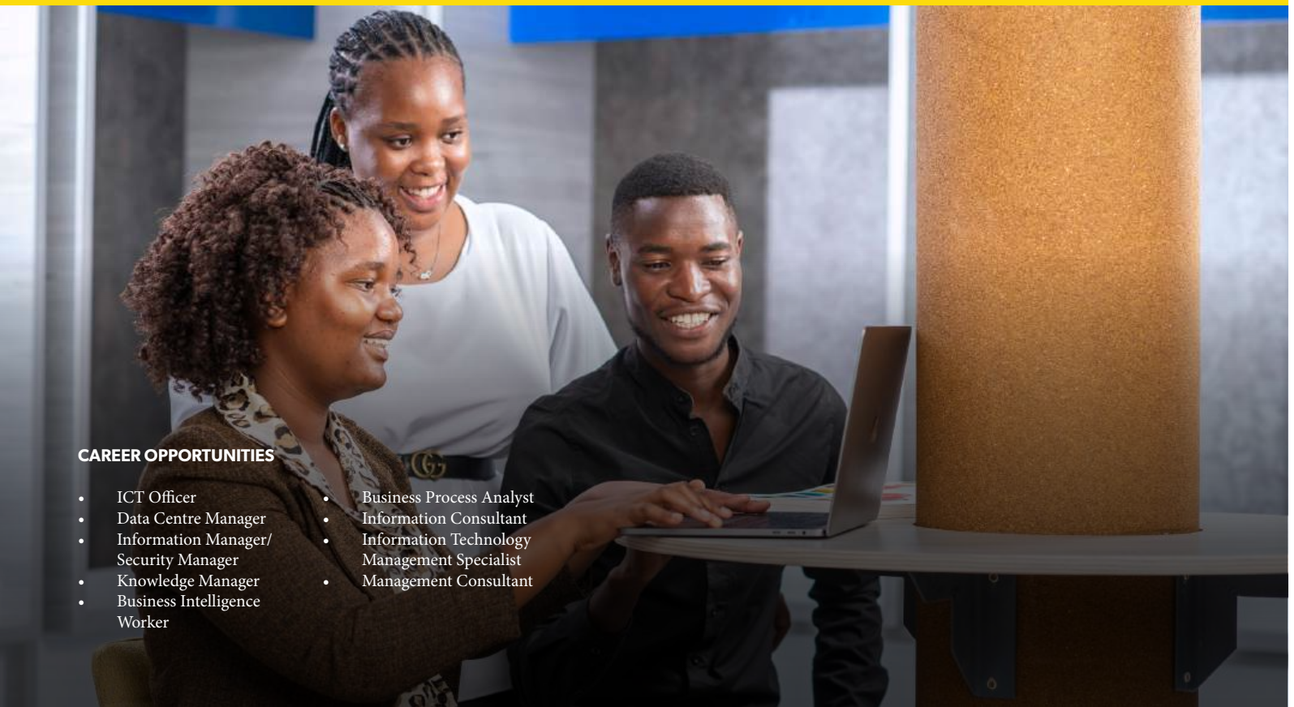
528 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Commerce in Information Technology Management is designed to expose learners to organizational functions and their systems, the technologies that underlie these systems, the use of information systems and technologies to overcome business problems, and the process of information systems development, implementation and management within business. The qualification is of special interest to working professionals in business and private organizations and learners who want to pursue a career in Business Information Technology Management. This specialized programme is designed to provide learners with an understanding and application of both business management and ICT knowledge. It will also provide learners with the perfect qualifications needed to pursue and succeed in postgraduate studies in Information Technology Management.

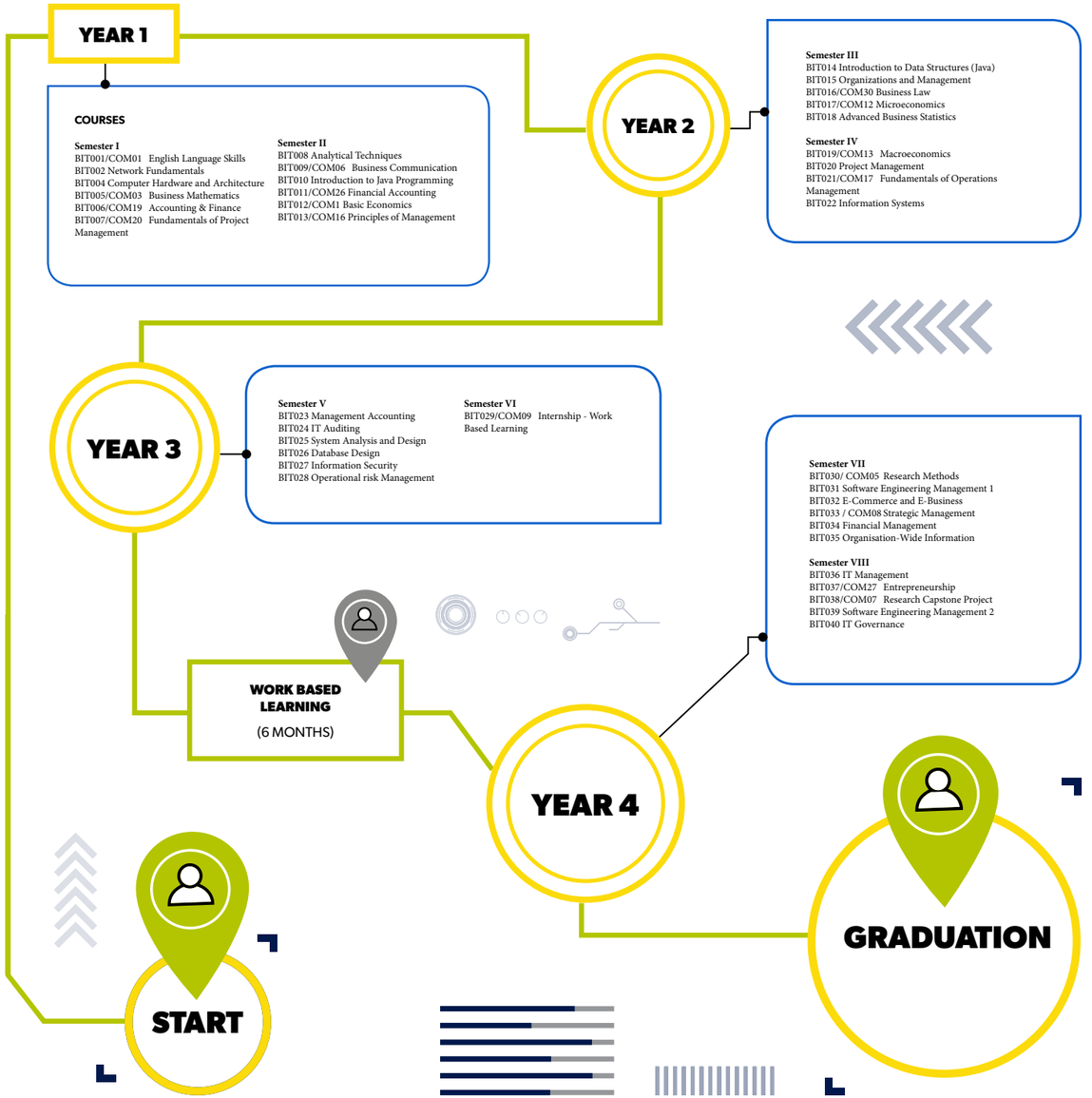
Skills acquired from the programme:

- Innovation management skills
- Develops applied competence in analysing, interpreting and applying information technology management principles and methods
- Develops the intellectual, research, and professional skills
- Technical understanding
- Understanding of e-business



CAREER OPPORTUNITIES

- ICT Officer
- Data Centre Manager
- Information Manager/ Security Manager
- Knowledge Manager
- Business Intelligence Worker
- Business Process Analyst
- Information Consultant
- Information Technology Management Specialist
- Management Consultant



SCHOOL OF BUSINESS LEADERSHIP AND ENTREPRENEURSHIP

BACHELOR OF COMMERCE IN ENTREPRENEURSHIP

528 CREDITS

SCOPE OF THE PROGRAMME

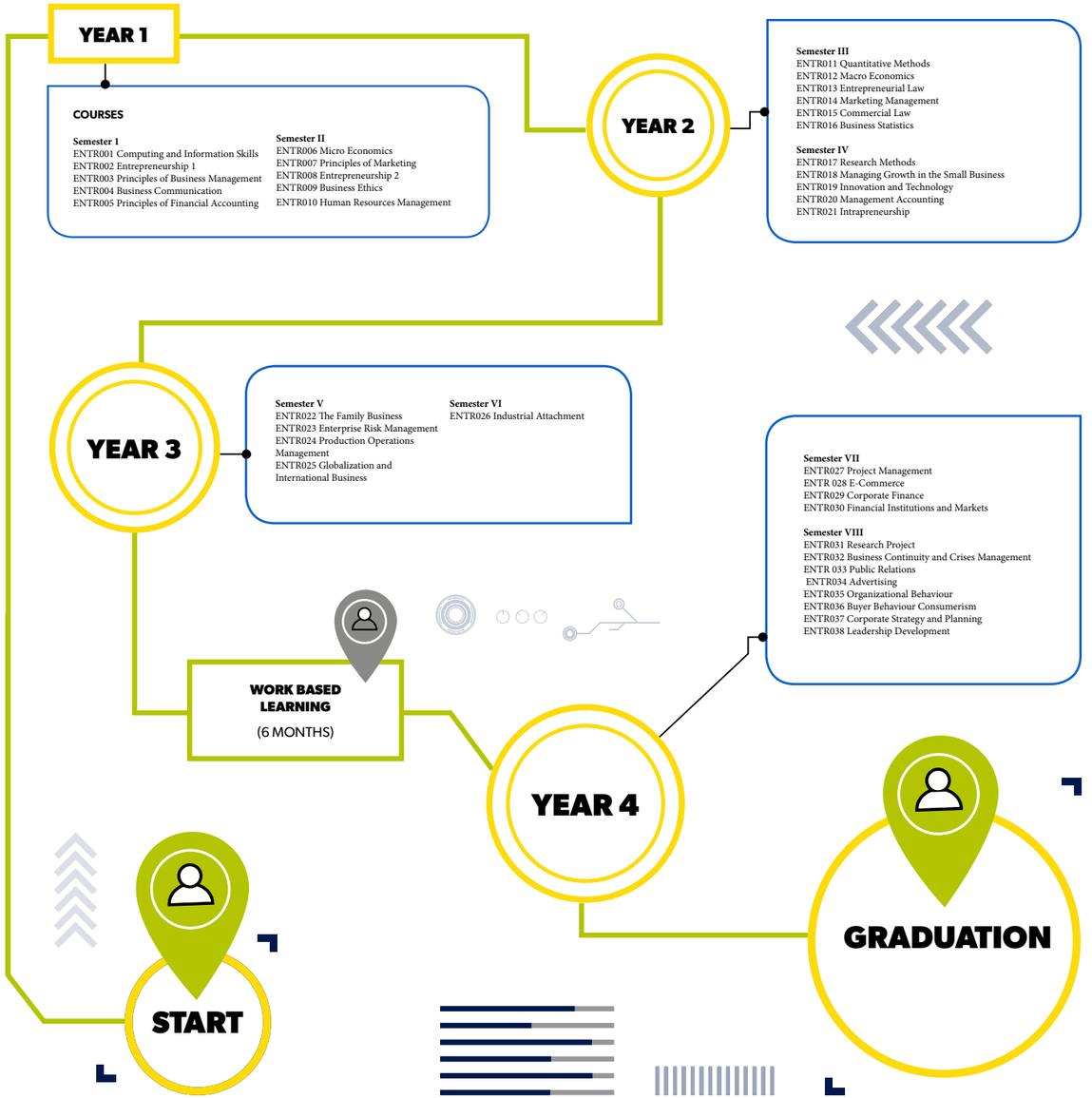
The Bachelor of Commerce in Entrepreneurship is a 4 Year Degree Programme which is designed to enable students upon completion to begin and run a new business successfully. The curriculum will enable students to create opportunities and maintain a profitable venture by translating visualised business ideas into reality through setting up business for wealth creation. Student are taken through all stages of small business development, from defining an idea to finding and managing your finances, building marketing strategies, and managing operation.

Skills acquired from the programme:

- Integrity
- Conceptual
- Risk taking
- Strategic Thinking
- Commercial Aptitude
- Decisiveness
- Optimism
- Customer Sensitivity
- People Focus
- Originality and creativity Competency
- Execution / decisiveness Competence
- Proactive behaviour Competency

CAREER OPPORTUNITIES

- Business Advisor
- Business Analyst
- Loan Administration Managers Strategists
- Analysts & AI Specialists
- Fund Managers
- Entrepreneurs (Self-employment)
- Financial Analyst
- Administrators
- Business Consultant
- Research and Development advisor



BACHELOR OF COMMERCE IN SUPPLY CHAIN MANAGEMENT

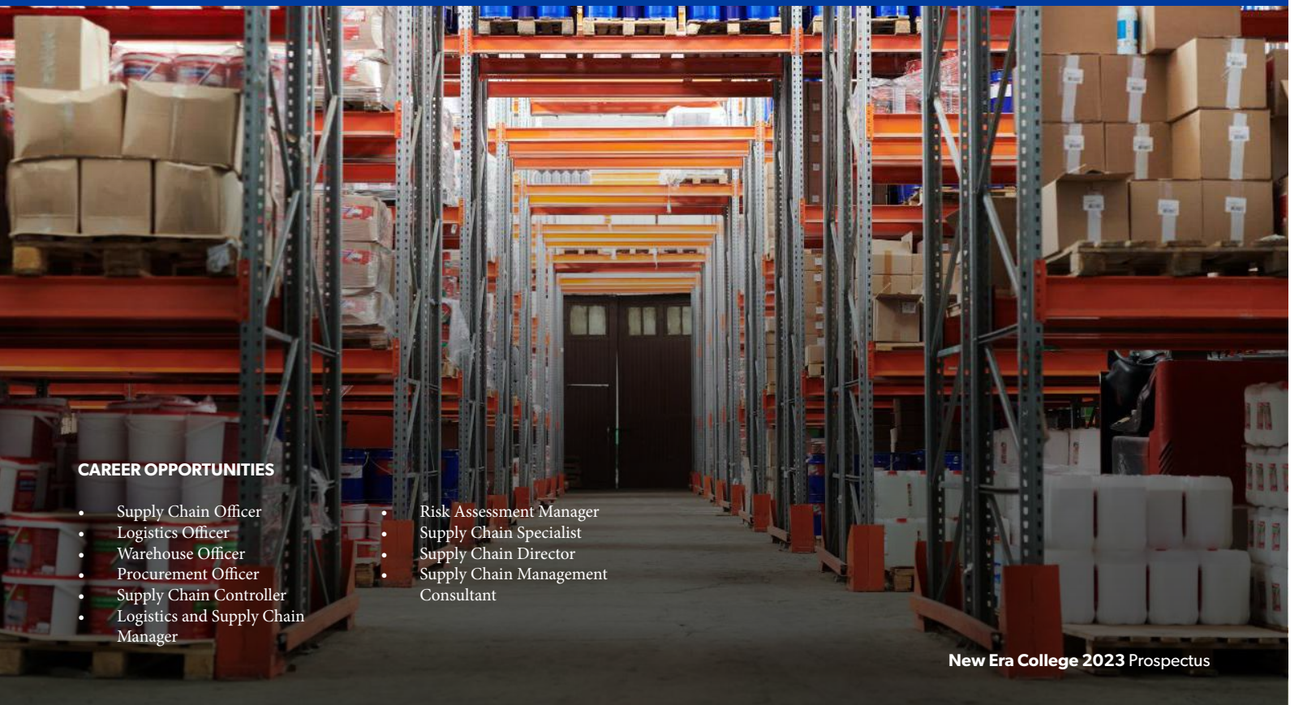
528 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Commerce in Supply Chain Management aims to equip students in supply chain management with the ability to participate in functional management in an integrated supply chain. This includes the disciplines of supply management, production and operations management, warehousing, transport management and supply chain strategy. Graduates will be able to provide effective and efficient supply chain management in various organisations and industries which shall result in higher efficiency rates, decrease in overall costs, increase in production outputs, boost cooperation level amongst business partners and vendors, reduction in delays in business processes and enhanced supply chain networks.

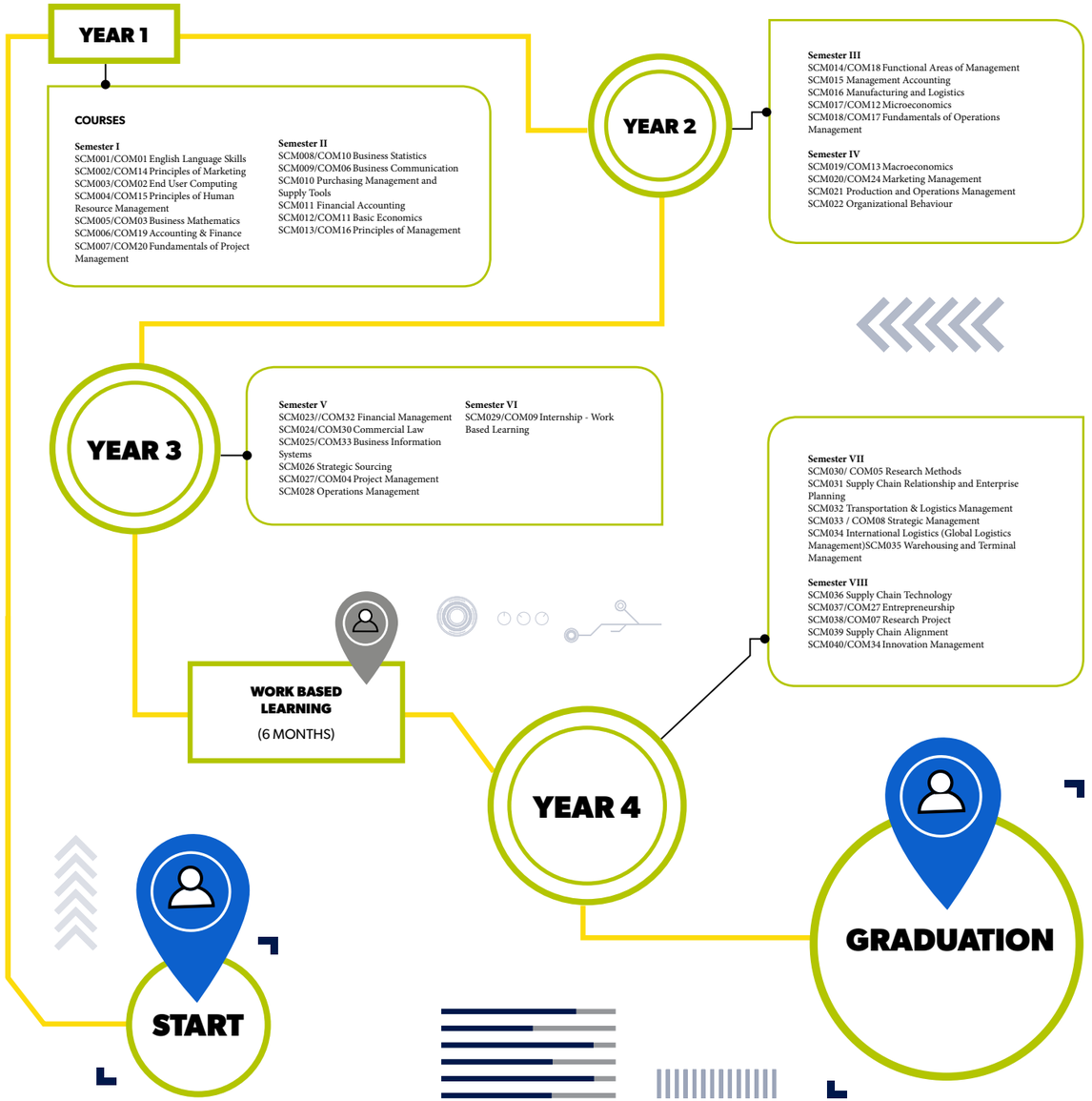
Skills acquired from the programme:

- Innovation Management skills
- Entrepreneurial skills
- Technical Understanding
- Understanding of e-business / e-procurement systems
- Trouble shooting, Problem Solving
- Business Ethics
- Project Management
- Ability to Understand and Analyse Financial Statements
- Work-based Learning skills



CAREER OPPORTUNITIES

- Supply Chain Officer
- Logistics Officer
- Warehouse Officer
- Procurement Officer
- Supply Chain Controller
- Logistics and Supply Chain Manager
- Risk Assessment Manager
- Supply Chain Specialist
- Supply Chain Director
- Supply Chain Management Consultant



BACHELOR OF BUSINESS ADMINISTRATION IN LOGISTICS AND TRANSPORT MANAGEMENT

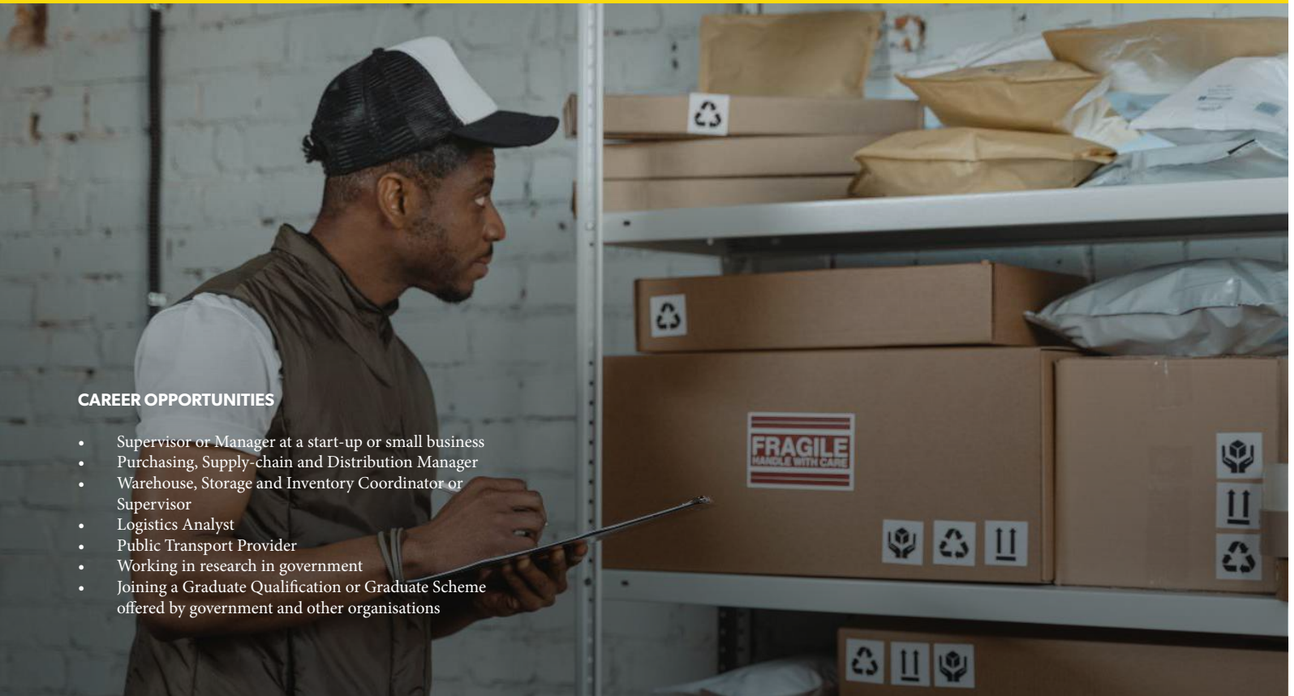
518 CREDITS

SCOPE OF THE PROGRAMME

Logistics and transport management involves managing the flow of goods from the point of origin to the consumer, which is a critical process for any business. It encompasses warehousing, monitoring inventory, purchasing, transport and distribution. The Bachelor of Business Administration in Logistics and Transport Management is designed to produce graduates with skills and competencies in transport and logistics (outbound & inbound logistics), procurement, warehousing, multi-modal transportation, distribution operations, retail, logistics information system and demand management. Graduates of the Bachelor of Business Administration in Logistics and Transport Management will have a thorough understanding of the flow of materials, information and money between customers and suppliers.

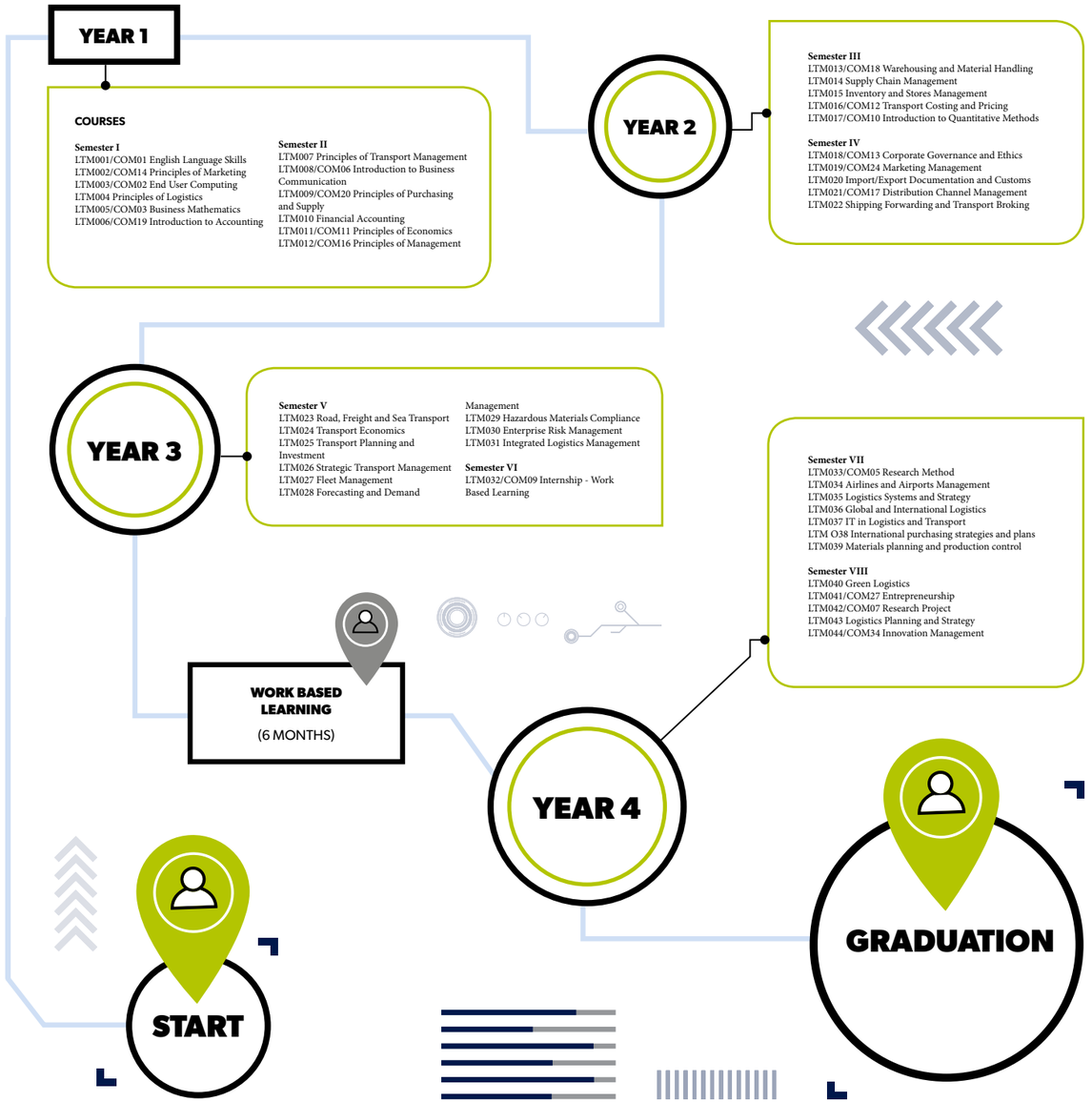
Skills acquired from the programme

- Logistics Management
- Inventory Management
- Planning and Managing Distribution Centres
- Transport Policy Analysis
- Innovation Management skills
- Entrepreneurial skills
- Work based Learning skills



CAREER OPPORTUNITIES

- Supervisor or Manager at a start-up or small business
- Purchasing, Supply-chain and Distribution Manager
- Warehouse, Storage and Inventory Coordinator or Supervisor
- Logistics Analyst
- Public Transport Provider
- Working in research in government
- Joining a Graduate Qualification or Graduate Scheme offered by government and other organisations



BACHELOR OF SCIENCE IN HOSPITAL ADMINISTRATION

480 CREDITS

SCOPE OF THE PROGRAMME

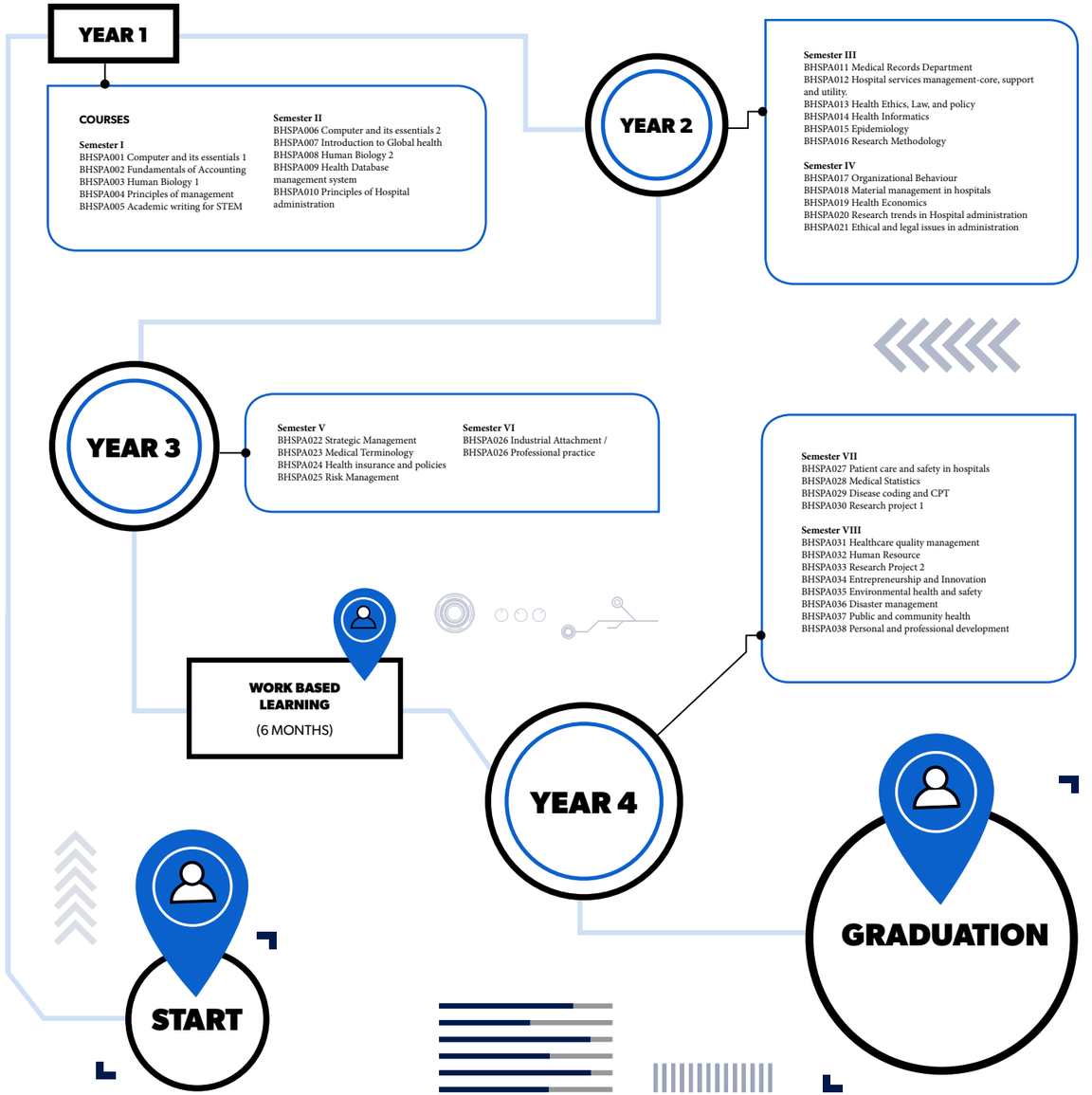
Bachelor of Science In Hospital Administration is an undergraduate programme that aims to train medical, paramedical, and non-medical professionals in Botswana and beyond to become proficient hospital administrators. The programme is designed to equip graduates with skills to address the increasing demand for middle-level management in healthcare institutions, fostering efficiency and good governance. The curriculum emphasizes global competitiveness, problem-solving in the healthcare sector, implementation of best practices in hospital management, and critical thinking. Graduates are prepared to mitigate health-related challenges, ensure proper project implementation, and adapt to the digital era. This programme cultivates cognitive abilities and asset management skills, preparing graduates for diverse roles in the healthcare industry.

Skills acquired from the programme:

- Knowledge and understanding of principles, concepts, theories, practices, and processes in Hospital Administration.
- Effective communication using appropriate skills and technologies for different audiences in the field of Hospital administration.
- Problem-solving skills, including entrepreneurial problem-solving through research and critical data analysis.
- Management skills to oversee different functional areas of administration and align them towards organizational goals.
- Application of appropriate tools and techniques to solve complex and unpredictable problems.
- Accountability for own results and the results of others.
- Understanding of economic concepts, principles, and theories from a hospital perspective.
- Knowledge and understanding of legislative requirements in the hospital environment.
- Proficiency in using various methods of inquiry in the field of hospital administration and innovation.

CAREER OPPORTUNITIES:

- Health manager
- Practice administrator
- Healthcare Administrator
- Healthcare Management Practitioner
- Clinical Management
- Management Consultant
- Health Insurance Professional
- Health Information Manager
- Public Health Professional
- Managed Care Analyst
- Hospital Director of Admitting
- Pharmaceutical Sales Manager
- Health IT manager



DIPLOMA IN HOSPITALITY MANAGEMENT

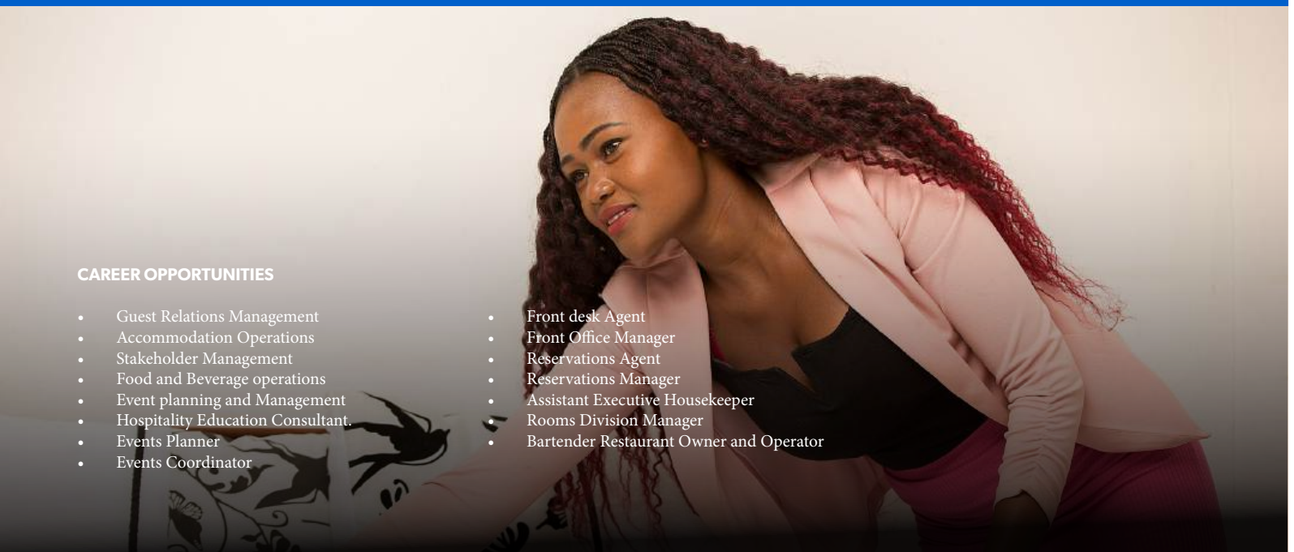
370 CREDITS

SCOPE OF THE PROGRAMME

Diploma In Hospitality Management Is a three year programme that aims to equip graduates with the skills to excel in the hospitality industry, both locally and globally. This programme focuses on developing technical expertise for various roles such as guest relations management, accommodation operations, stakeholder management, food and beverage operations, and event planning. Graduates will be prepared for positions including guest services supervisor, hotel receptionist, housekeeping manager, food and beverage manager, and events manager. Additionally, this programme fosters entrepreneurship by enabling graduates to establish and manage their own hospitality ventures. Overall, the qualification seeks to produce competent professionals capable of meeting industry demands and exceeding guest expectations.

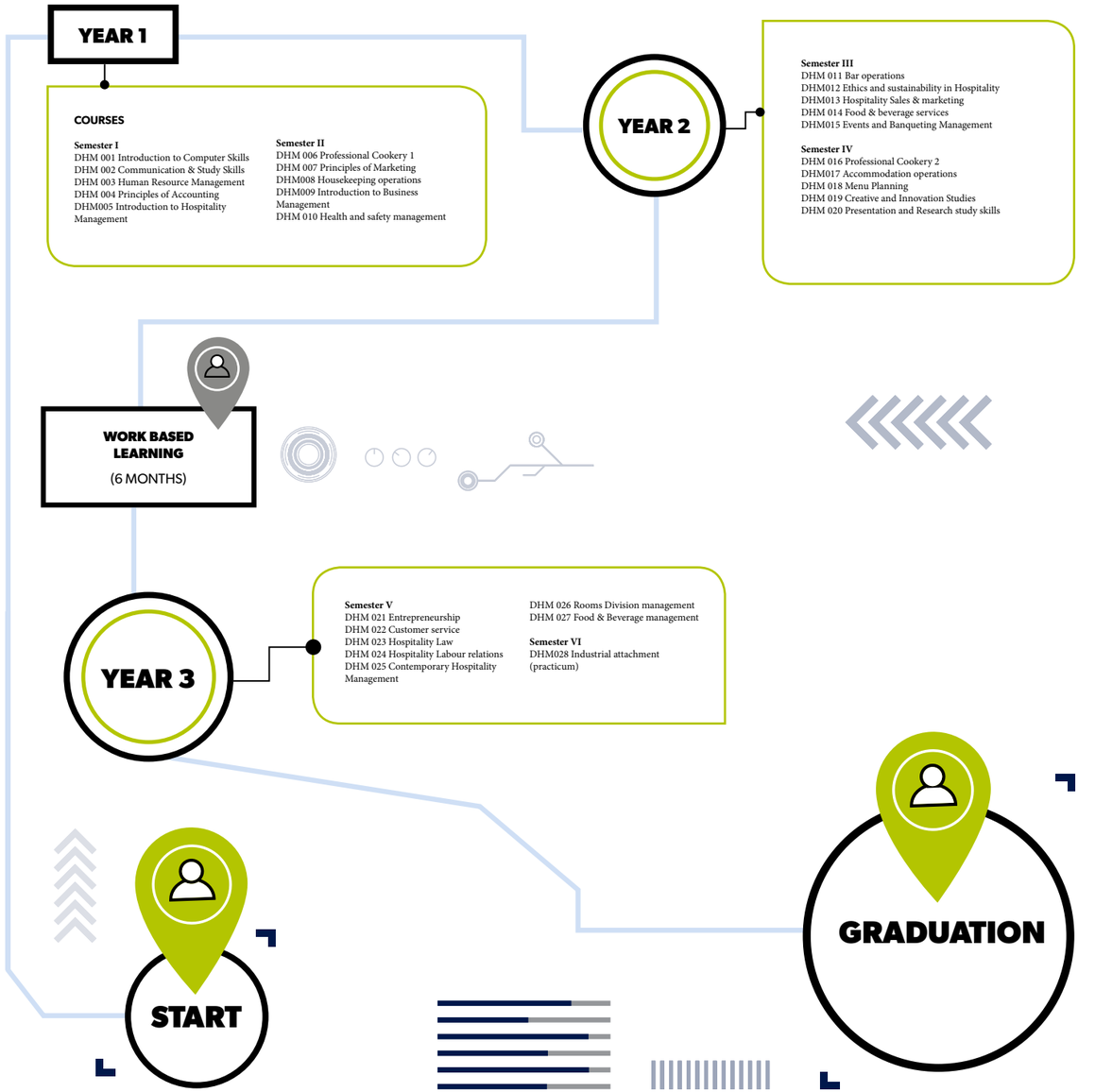
Skills acquired from the programme:

- Entrepreneurship: Ability to develop and act on creative and innovative ideas in the hospitality industry.
- Ethical and Legal Considerations: Capacity to evaluate ethical, legal, and social considerations in hospitality situations.
- Risk Management: Application of risk management principles for efficient, safe, secure, accessible, and healthy hospitality operations.
- Communication: Proficiency in appropriate, clear, effective, and efficient communication.
- Front Office Management: Capability to manage front office departments/sections in lodging properties.
- Marketing Strategies: Skill in synthesizing marketing strategies to sustain and enhance competitiveness in the hospitality industry.
- Event Planning Services: Ability to provide services in events planning.
- Food Preparation: Competence in preparing food items, garnishing, and displaying for small and large volume food production.
- Housekeeping Operations: Proficiency in operating housekeeping departments/sections in accommodation properties.
- Supervisory Skills: Ability to supervise hospitality tasks successfully in line with organizational standards.
- Knowledge of Hospitality Operations: Demonstration of knowledge in various aspects of hospitality operations.
- Application of Hospitality Principles: Capacity to apply hospitality principles in a work environment.
- Industry Knowledge: Demonstration of basic knowledge of the hospitality industry.



CAREER OPPORTUNITIES

- Guest Relations Management
- Accommodation Operations
- Stakeholder Management
- Food and Beverage operations
- Event planning and Management
- Hospitality Education Consultant.
- Events Planner
- Events Coordinator
- Front desk Agent
- Front Office Manager
- Reservations Agent
- Reservations Manager
- Assistant Executive Housekeeper
- Rooms Division Manager
- Bartender Restaurant Owner and Operator



BACHELOR OF EDUCATION IN INCLUSIVE EDUCATION

528 CREDITS

SCOPE OF THE PROGRAMME

The Bachelor of Education in Inclusive Education is designed to impart knowledge, skills and competencies that would enable learners to develop and implement inclusive education programmes in Botswana and beyond. Learners in this programme will develop skills that enable them to analyse curriculum content, teach orientation and mobility skills, as well as use relevant assessment procedures and intervention approaches in order to assist children with learning difficulties. Furthermore, candidates will build skills to develop individualized educational plans for various levels and varieties of disabilities in an inclusive school environment.

Skills acquired from the programme:

- Develop a holistic understanding of the principles and practices of working with students with special needs
- Develop advanced investigation, collaboration, and problem solving techniques in a way that understands and appreciates individual differences
- Educational intervention for literacy difficulties in the classroom
- Critical thinking skills and creativity to a broad range of practical exercises
- Work based Learning skills

CAREER OPPORTUNITIES

- Special needs Coordinator and/or Teacher
- School Liaison Officer
- Resource Room Consultant
- Placement Officers
- Referral Consultants
- Parent/Teacher Counsellors
- Child Advocate
- Remedial Teacher
- Brail List
- Reading Teacher

YEAR 1

COURSES

Semester I
IED001/COM01 English Language Skills
IED002 History of Education
IED003/COM02 End user Computing
IED004 Sociology of Education
IED005 Philosophy of Education

Semester II
IED006 Classroom Organisation and structure
IED007 Introduction to Exceptional children
IED009 Overview of main categories of Disabilities
IED010 Introduction to Inclusive Education
IED011 Children with special needs and the society

YEAR 2

Semester III
IED012 Assessment and Identification of children with Special Diverse learning needs in the classrooms
IED013 Introduction to Educational Psychology
IED014 Teaching basic skills for children with Learning Difficulties
IED015 Introduction to physical and Health Impairment
IED016 Early intervention for learners at risk
IED017 Communication process for visually impaired

Semester IV
IED018 Social and emotional learning
IED019 Counselling children with Special needs
IED020 Teaching Language & literacy skills for Children with Learning Disabilities
IED021 Instructional Methods for Children with Visual Impairment
IED022 Instructional Methods for Gifted and Talented children
IED023 Instruction Methods for children with Intellectual Disabilities

YEAR 3

Semester V
IED024 Measurement and Evaluation
IED025 Remediation Methods for children with Learning Disabilities
IED026 Teaching Children with ADHD
IED027 Emerging Trends in Inclusive education
IED028 Instructional Methods for Children with Hearing Impairment
IED029 Educating Children with Behaviour Disorders

Semester VI
IED030 Internship - Work Based Learning

WORK BASED LEARNING
(6 MONTHS)

YEAR 4

Semester VII
IED031 Research Methods
IED032 Education of Children with Autistic Spectrum Disorder
IED033 Collaboration and Consultation in Special Needs Education
IED034 Inclusive education in Botswana and Contemporary issues (challenges)
IED035 Introducing Students to Methods of Planning and Providing Special Needs Services
IED036 Development of Individualised Education Plans

Semester VIII
IED037 Curriculum Modification and adaptation for Children with Learning problems
IED038 Early Childhood Education for Children with Special Needs Education
IED039 Research Project
IED040 Assistive Technology for Learners with Special Needs
IED041 Behaviour Management at home and Classroom

START

GRADUATION

INDUSTRY BASED LEARNING (I.B.L)

The general objectives of Industry Based Learning is to equip learners with hands-on practical experience and exposure to reinforce the theories learnt in the classroom. The Learners are briefed on general expectations about the IBL exercise including; observation of basic host company rules and regulations during the attachment. Students on Industry Based Learning are assessed by faculty members who will make visits to the host companies during their IBL period.

Objectives

1. Expose students to the Industry
2. Link theory to practice in relevant companies
3. Students to develop the relevant work ethic in their related programmes

IBL at New Era College is conducted annually for (6) months for degree and diploma students. Both degree and diploma students are expected to fulfill their IBL requirements.

Our partners include selected leaders and captains of industry in the telecommunications, construction, utilities, mining, business, education and hospitality sectors.

THE GHODRATI foundation

The Ghodrati Foundation is a private non-profit organisation that aims to fund charitable causes and provide opportunities for Batswana in education. The charitable organization has a vision to become a positive contributor to the socio-economic conditions of Batswana through availing opportunities for them to empower themselves.

The flagship initiative of the Foundation is called the Ghodrati Foundation Scholarship. This is a partnership with New Era College of Arts Science and Technology, which seeks to provide financial aid in the form of a partial scholarship to students who did not obtain enough points when sitting for their BGCSE exams to earn a Botswana Government scholarship.

To be eligible for the scholarship, students must have a strong background in Mathematics and Science. The foundation will admit students who have obtained at least 30 points in their BGCSE with a credit in Mathematics and Science as well as a Pass in English.

Recipients of the Foundation will be provided with a partial scholarship towards their tuition fees, and their sponsor or parents will provide the remaining tuition fee. To date the scholarship has helped over 40 students successfully enroll in Engineering or Business Management courses.

The scholarship comes as a response to the Botswana Government's call for more organisations to step up and share the burden of funding education in the country, which has for so long fallen solely on the Governments doorstep.

VISION

The Ghodrati Foundation aims to develop socially just and economically prosperous communities by unlocking the intellectual and creative potential of the citizens of Botswana.

MISSION

The Ghodrati Foundation will create opportunities by providing a platform that will nourish and empower excellence in the arts, academia, and athleticism through responsible, resourceful, and equitable solutions.

VALUES

People
Diversity
Empowerment
Equity
Service
Integrity
Independence

To date, the Ghodrati Foundation has helped change the lives of dozens of students by giving them scholarships that have admitted them into various programmes at New Era College. Some of these students have successfully managed to requalify for full sponsorship by the government after having the Ghodrati Foundation assist them as a bridgeway.

For more information on other activities the Ghodrati Foundation is involved in, visit: **website: www.ghodratifoundation.org**

THE GHODRATI FOUNDATION SPORTS SCHOLARSHIP

The Ghodrati Foundation launched the Sports Scholarship in 2020, with an aim to attract and nurture high performing athletes to their full potential in higher education. The Sports Scholarship therefore provides an avenue and opportunity for athletes who lack the means to access higher education to complete a tertiary programme.

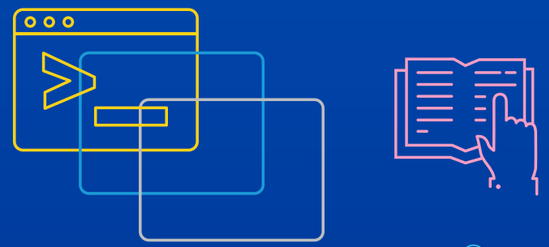
To date, the Ghodrati Foundation has awarded (9) nine young athletes in Botswana full scholarships to New Era College. The College is a member of BOTESSA and regularly sees its students being included as the top achievers in the country, a trend this new crop of athletes will hopefully continue on to Colleges medal vast count.

SCIENCE TECHNOLOGY ENGINEERING MATH

New Era College has a thriving STEM education program coordinated through the STEM department which was established in 2018 and is currently led by an Alumni of the College. The STEM department is housed in the official New Era College Tinkering lab.

A Tinkering lab is a specially designed science labs where students can fully explore their creative ideas and turn them into real life innovations that can transform their lives and the communities they live in. Through the use of DIY STEM kits, students are taught problem solving skills, team work, design thinking, leadership and communication skills, which are all critical for the future, technology driven workforce.

The Tinkering labs are open to students of New Era College that wishes to have a solid foundation and a deeper understanding of the core STEM principles. The tinkering Lab aims to engrain a culture of innovation and entrepreneurship into students through getting them to fall in love with STEM and in the end become analytical thinkers and problem-solvers.



STUDENT AFFAIRS

The Department of Student Affairs offers a wide range of services to students, aimed at enriching their living experience as well as complementing their learning during their stay at New Era College. The Department provides students with the support, resources, and services they need to succeed. The department offers some of the below services to students:

1. Counselling and Mental Health Services: We provide a range of confidential counselling services, including individual and group therapy, as well as crisis intervention, to support students' emotional and mental health. Our team of professional counselors is trained to help students deal with issues such as stress, anxiety, depression, relationship problems, and more.

2. Student Clubs: We believe that being part of a student club is an important aspect of the college experience. We have a wide range of clubs for students to choose from, including academic, cultural, and recreational clubs. Students can join a club that matches their interests and make new friends while participating in fun and engaging activities.

3. Student Representative Council: Our department provides support to the student representative council, which represents the student body and acts as a liaison between students and the administration. We encourage students to participate in the student council and to voice their opinions and concerns.

4. Workshops and Training: We offer various workshops and training sessions to empower students and help them develop essential life skills. These workshops cover a range of topics, such as time management, stress management, study skills, and communication skills. We believe that these skills are crucial for students to succeed both in college and in their future careers.

5. Student Accommodation: We have limited accommodation on offer at the College and we assist students in finding affordable, safe and good quality accommodation within close proximity of the campus.

SPORTS AND RECREATION

LIBRARY AND LEARNING

STUDENT CALENDAR 2024/2025

SEPTEMBER 2024

30th September 2024	Mid – Semester Break Starts

OCTOBER 2024

4th October 2024	Mid – Semester Break Ends
7th October 2024	External Moderation Starts

NOVEMBER 2024

7th November 2024	Classes of 2022 to 2024 Graduation Ceremony
11th November 2024	Exam Rooms Plans & Layout
15th November 2024	Semester 1 Exams Starts
29th November 2024	NEC 15 Anniversary Celebrations

DECEMBER 2024

13th December 2024	Supplementary Exams Starts – (5 Days)
18th December 2024	Official End of Semester 1

JANUARY 2025

7th January 2025	2025 Official opening of Semester 2
24th January 2025	2025 Online Registration – All Students

FEBRUARY 2025

3th February 2025	Official Commencement of Lessons – All Programmes

MAY 2025

13 May 2025	Semester 2 Exams Starts

JUNE 2025

5th June 2025	Semester 2 Results Publication
6th June 2025	Official end of Semester 2
16th June 2025	Supplementary Examination Ends
17th June 2025	Vacation & Winter School

NOTES

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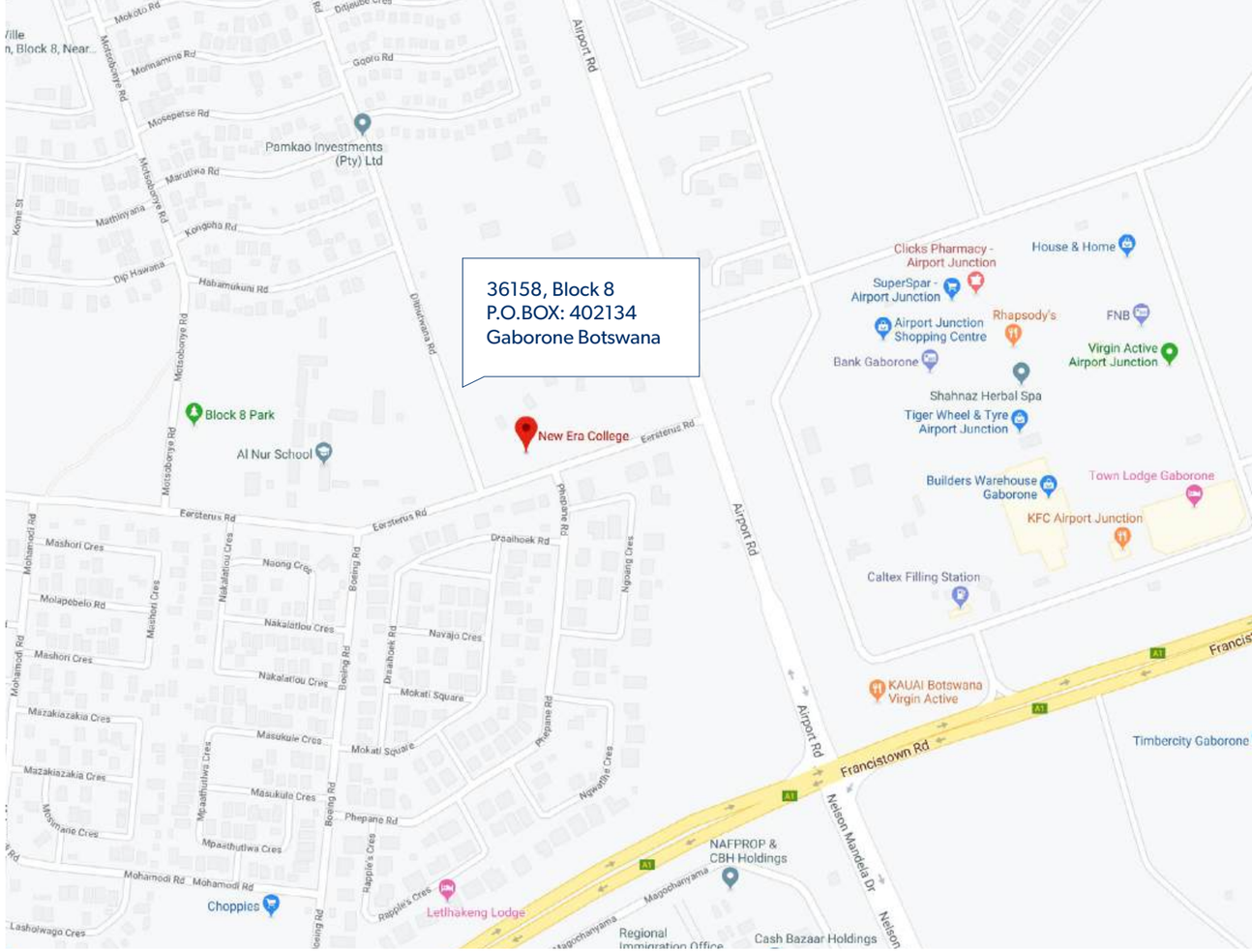

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