Faculty of Engineering & Technology
2016 for 2017
Vanderbijlpark

Engineering: Computer Systems
Electrical Engineering:
- Process Instrumentation
- Electronic Engineering
- Power Engineering
Chemical Engineering
Civil Engineering
Industrial Engineering
Mechanical Engineering
Metallurgical Engineering

Additional Information:
Bursaries & Loans
Sport Academy
Student Counselling & Support
1. Admission Requirements

**Subjects**

<table>
<thead>
<tr>
<th>Diploma</th>
<th>Eligibility for Diploma or BTech Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory subjects</td>
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<tr>
<td>English</td>
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<td>Mathematics</td>
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<tr>
<td>Physical Science</td>
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<td>Any other 4 subjects minimum</td>
<td>3x4=12</td>
</tr>
<tr>
<td>Total</td>
<td>24</td>
</tr>
</tbody>
</table>

**COMPUTER SYSTEMS**

2. Diploma in Computer Systems

Offered as full-time contact class for four semesters (two years) followed by one year Work Integrated Learning (carried out through attachment to Industry). The student is encouraged to look for suitable Industry opportunities (Company).

*Please note that this programme is currently under review to bring it into line with the requirements of the newly published National Qualifications Framework.*

3. Diploma Programme Structure – Computer Systems

**Semester 1:** ICT Skills I, EDL, Digital Systems I, Programming I, Electrical Engineering I, Applied Communication Skills I, Mathematics I.


**Semester 4:** Operating systems III, Design Project III, Network Systems 3.1, Applied Communication Skills 2.2, *IT Essentials I, *Digital Electronic Communication II.


**Electives:** * Electives above can be replaced by any of Electronics III, Projects I, or another relevant engineering elective offering.

**Semester 6/7:** Experiential training.

4. Baccalaureus Technologici (B Tech) - Admission requirements

All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months Work Integrated Learning.

**Compulsory Offerings:** Industrial Project IV, Hardware Design IV, Functional Management, Database Programming IV, New Technology Programming IV.

**Electives:** (Choose any four from ->) Software Systems IV, Database Administration IV, Mathematics IV, Network Systems IV, or two from another relevant discipline.

5. Syllabi


**Database Principles III:** System theory, data modelling, normalization/relational models.

**Design Project III:** Development cycle of project, project study, design base line and practical implementation of the project.

**Digital Systems I:** Number systems, Binary codes, Logic gates, Boolean algebra, Simplification Techniques and Combinational logic.

**Digital Systems II:** Logic Families, Multivibrators, Sequential Logic, Analogue vs. Digital, Displays and Memory concepts.

**Digital Systems III:** Memories, Basic microcomputer systems, Microcontrollers, Assembler and C programming

**Electrical Engineering I:** SI-units, and energy, Electrical Circuits, Magnetism, Inductance, Capacitance, AC theory, Measurements.

**Electronics I:** Basic semi-conductors, Rectification, Biasing, RC transitions, Basic operational amplifiers.

**Electronics II:** Operatioanl amplifiers, Biasing, Amplifiers, RLC transition, Oscillators.

**Electronics III:** Voltage regulation, Amplification theories/applications, Oscillators, Power amplifiers, Passive filter design, Noise.

**ICT Skills I:** Integrated software packages such as word processors and spreadsheets, Windows environment.

**IT Essentials I:** System Software 1.1 - A-plus software and hardware.

**Logic Design III:** Logic design using the C high level language.

**Mathematics I:** Basic mathematics, Differentiation, Integration, Hyperbolic functions. Mathematics II: Advanced Differentiation and Integration, Matrix Algebra, 1st order differential equations.

**Mathematics III:** Applications of integration, First order differential equations and D-operators.

**Network Systems II:** CISCO Exploration CCNA1 and CCNA2

**Network Systems III:** CISCO Exploration CCNA3 and CCNA4

**Operating Systems III:** Resource sharing, memory management, multi-processing and multiprogramming. Server installation and configuration

**Programming I:** Programming and languages, Variables, Data types and Programme control.

**Programming II:** Files, Links, Subroutines, External functions, Recursion, State machines and Numerical analysis.

**Programming III:** Hardware linking, Assembly Linking, Interrupts, Concurrency and resident programmes.

**Projects I:** Applicable CAD, ergonomic/aesthetic design, operational Procedures, maintenance, construction techniques and documentation.

**Software Engineering III:** Model driven Engineering approach, based on OOA&D UML to define/analyze requirements for design & develop comprehensive engineered systems.

**Systems Analysis II:** Analyst environment, Planning phase, Analysis, Design, Development and Implementation.

6. Typical work environment for the Computer Technician

Hardware design and development using microcontroller systems. Data communications, design, installation and maintenance of network systems. Programming and data processing. Database applications. Design and development of fully engineered systems.

7. Career opportunities

The computerization of most facets of modern business and industry, together with the great demand for technical manpower creates a multitude of possibilities.

8. Career Status

The Technician can register for professional status with ECSA, the Control Board for Engineering Technicians.

9. Enquiries

Enquiries may be addressed to:

Head of Department: Process Control and Computer Systems, Faculty of Engineering and Technology, Vaal University of Technology. Private Bag X021 Vanderbijlpark 1900 Tel: (016) 950-9323; Fax (016)950-9727. E-mail: marcelo@vut.ac.za website: www.vut.ac.za

Whilst every effort has been made to present the relevant information in this brochure, programme offerings may be subject to change in order to keep abreast with new developments in the higher education landscape. The institution therefore reserves the right to unilaterally change or amend any of the content/structures contained herein.

**PROCESS CONTROL**

1. Diploma in Process Control

Offered as full time contact class for four semesters (two years) followed
by one year Work Integrated Learning (carried out through attachment to industry). The student is encouraged to look for suitable Industry opportunities (Company).

2. Programme Structure


**Electives:** * Electives above can be replaced by Network Systems 2.2, Programming I, Programming II, Digital Process Control II, Digital Process Control III or another relevant engineering elective offering.

**Semester 5/6:** Experiential training.

3. Baccalaureus Technologiae (B Tech) - Admission requirements

All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months Work Integrated Learning.

4. Programme Structure

**Semester 1:** Industrial Project IV, Process Instrumentation IV, Signal Processing IV, Electronics IV, Engineering Management IV, Database Programming IV.

**Semester 2:** Digital Control Systems IV, Circuit Analysis IV, Micro Systems Design IV, Network Systems IV, Software System IV.

**Semester 3:** Engineering I, Mathematics I, Applied Communication Skills 1.1.


**Semester 5/6:** Experiential training.

5. Syllabi

**Control Systems II:** Introduction to typical control systems, Laplace transform, Differential equations, Complex variables, Block diagrams, Modeling of physical systems like RLC circuits, Routh Hurwitz stability criteria, Time domain analysis of control systems, Frequency-domain analysis, Nyquist, Bode and Nichols chart, Laboratory assignments.

**Design Project III:** Design, Construction, Testing and Documentation of a complete project in an applicable field of specialisation.

**Digital Control Systems IV:** Sampled data systems, Pulse transfer functions, Stability analyses and root locus techniques, Digital controller design.

**Digital Process Control II:** Industrial networks for modern Instrumentation control environments.

**Digital Process Control III:** Distributed Control Systems.

**Digital Signal Processing IV:** Discrete systems and signals, Convolution, Z transform and discrete Fourier transform, Digital filter design.

**Electrical Engineering II:** AC Networks, Resonance, Series and parallel circuits, Power factor correction (single phase circuits), AC and DC network theorems, Harmonics, Three phase circuits.

**Electronic Measurements III:** Electronic measuring methods, Principles of electronic instruments, Digital meters, Tests and measurements.

**Electronics IV:** Advanced Biasing, Universal preamplifier, Three stage semi-power amplifier signal sources and signal processing, Power amplifier, Power supply, R.F coil, Differential amplifier, Dual gate mosfet, Power mosfet.

**Engineering Management IV:** The business environment, Functions of management, Decision making and problem solving, Strategic and Small business management and International management.

**Industrial Project IV:** A course in research methodology, Identification of an industrial project, and writing of the proposal. The research for the design and construction of the project. The writing of a thesis for the project.

**Network Systems 2.1:** CISCO Discovery CCNA1.

**Network Systems 2.2:** CISCO Discovery CCNA2.

**Physics I:** Hydrostatics, Heat, Optics, Wave theory, Radiation physics.

**Process Instrumentation I:** Process-measurement applications, Process control principles.

**Process instrumentation II:** Calculation of applicable and specific process parameters, Process controllers and other measurement applications.

**Process Instrumentation III:** Instrumentation for unsafe environments, Plant unit operation and control, Telemetering applications, Radio-active instrumentation applications, Process analysers.

**Process Instrumentation IV:** Process analysers, Measurement and control of water and air pollution, Instrumentation engineering, Commissioning of newly constructed plants, PLC’s and DCS systems.

**Signal Processing IV:** Linear systems and Fourier spectrum analysis, Laplace network analysis and active Butterworth and chebychev filter design.

6. Typical work environment for the Instrumentation Technician


7. Career opportunities

The computerisation of modern instrumentation platforms in industry, and a vacuum period in training of mechanicians and technicians in this modern environment led to a huge demand for technical manpower in this field.

8. Career Status

The Technician can register for professional status with ECSA, the Control Board for Engineering Technicians. The South African Institute for Measurement and Control is another professional body.

9. Enquiries

Enquiries may be addressed to:

The Head of Department: Process Control and Computer Systems, Faculty of Engineering

Vaal University of Technology, Private Bag X021 VANDERBULTPARK 1900,
Tel: (016) 950-9323; Fax: (016) 950-9727 e-mail: marcelo@vut.ac.za, website: www.vut.ac.za

Whilst every effort has been made to present the relevant information in this brochure, programme offerings may be subject to change in order to keep abreast with new developments in the higher education landscape. The institution therefore reserves the right to unilaterally change or amend any of the content/structures contained herein.

10. M Tech in Process Control or Computer Systems

Offered as research over a two year period.

11. Admission requirements for M Tech in Process Control or Computer Systems

Relevant B Tech degree or equivalent degree in Process Control or Computer Systems.

12. D Tech in Process Control or Computer Systems

Offered as research over a three year period.

13. Admission requirements for D Tech in Process Control or Computer Systems

Relevant M Tech degree or equivalent degree in Process Control or Computer Systems.

14. Enquiries

Enquiries may be addressed to:

The Head of Department: Process Control and Computer Systems, Faculty of Engineering

Vaal University of Technology, Private Bag X021 VANDERBULTPARK 1900,
Tel: (016) 950-9323; Fax: (016) 950-9727 e-mail: marcelo@vut.ac.za, website: www.vut.ac.za

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**ELECTRONIC ENGINEERING**

**Diploma:** Engineering Electrical, B Tech: Engineering Electrical
**M Tech:** Engineering Electrical, MEng: Engineering Electrical and
**D Tech:** Engineering Electrical

1. Admission Requirements
Diploma in Electronic Engineering
Offered as full time contact class for four semesters (two years) followed by one year Work Integrated Learning (carried out through attachment to Industry). The student is encouraged to look for suitable Industry opportunities (Company).

Note: Scholars who do not qualify for the National Diploma Programmes may apply for the pre-diploma programmes. Tel: (016) 950-9589. For details on the pre-diploma programmes see VUT website www.vut.ac.za

2. Programme Structure
(*Compulsory Subjects, plus twelve selected subjects)

1.1 Experiential Training
A candidate must do 12 months in-service training at a university-approved employer.
This is necessary to give the student practical experience in the work situation.

1.2 Future Studies
The National Diploma can be followed by a further year of full-time study to obtain the B Tech degree. The candidate can then register as a Professional Technician / Technologist with ECSA. A Masters (M Tech) and Doctoral (D Tech) degree can also be obtained by means of research.

1.3 Baccalaureus Technologiae (B Tech)
The admission requirements are: An appropriate National Diploma or National Higher Diploma or equivalent qualification.

1.4 Programme Structure
Semantic 2: Microwave Engineering IV, Industrial Project IV, Satellite Communication IV, Opto Electronics IV.

2.6 What are the functions of an Electronic Communications Technician?
The technician will be involved with the practical design, installation and maintenance of electronic equipment.
The calibration of measuring instruments may also form part of the technician’s task. In the engineering team the technician forms part of the management team.
Modern satellite communication, digital television, radio engineering and telecommunication, make electronic communication one of the fastest growing industries.

3. Registration with ECSA
The National Diploma and B Tech degree are recognized as qualifying prerequisites for registration with the Engineering Council of South Africa (ECSA):
Qualification Possible registration
National Diploma Registered Engineering
B Tech

4. Baccalaureus Technologiae (B Tech) - Admission requirements
All applicants必须 have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months Work Integrated Learning. Apart from the prescribed qualification, a specified period of relevant post-qualification practical experience is a prerequisite for registration.

5. Enquiries
Enquiries may be addressed to:
The Head of Department: Electronic Engineering Faculty of Engineering
Vaal University of Technology, Private Bag X021 Vanderbijlpark 1900 Tel: (016) 950-9416; Fax: (016) 950-9796; e-mail: willtemp@vut.ac.za website: www.vut.ac.za
2. Compulsory Subjects

Semester 1: Electrical Engineering I; Mathematics I; ICT Skills; Physics I; Computer Skills I; Process instrumentation I; Applied Communication Skills 1.1; English Language and Cognitive Development (EDL).

Semester 2: Electronics I; Electrical Engineering II; Mathematics II; Digital Systems I; Mechanics I; Applied Communication Skills 1.2.

Semester 3: Electronics II; Industrial Electronics II; Electrical Engineering III; Mathematics III; Electrical Machines II; Applied Communication Skills 2.1.; Professional Eng Skills 1

Semester 4: Power Electronics III; Design Project II; Electrical Distribution III; Electrical Protection III; Electrical Machines III; Applied Communication Skills 2.2.; Professional Eng Skills 2

2.1 Recommended Subjects
Projects I; Digital Systems II; Management II; Entrepreneurship II; Control Systems II; Electronics III; Process Instrumentation II.

2.2 Work Integrated Learning (WIL)
A candidate must undergo 12 months experiential training at an approved employer. This is necessary to offer the student practical experience in the work situation.

The Department of Co-operative Education will assist in WIL administration and placements. Contact details: Tel: 016-950-9496, Fax: 016-950-9739, E-mail: education@vut.ac.za.

2.3 Baccalaureus Technologiae (B Tech)

- Admission requirements
All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months Work Integrated Learning I.

2.4 Curriculum and Codes
Please Note: B Tech subjects are only offered once a year. Year marks in B Tech subjects may only be used once. The following subjects are compulsory:

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<thead>
<tr>
<th>Subject</th>
<th>Code</th>
<th>Credit</th>
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<tbody>
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<td>Semester 1:</td>
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<tr>
<td>Electrical Machines IV*</td>
<td>EPMAC4</td>
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<tr>
<td>Protection Technology IV</td>
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<tr>
<td>High Voltage Engineering IV</td>
<td>EPHIN4</td>
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</tr>
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<td>Power Electronics IV</td>
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<tr>
<td>Industrial Projects IV</td>
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<tr>
<td>Semester 2:</td>
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<tr>
<td>Engineering Mathematics IV</td>
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<tr>
<td>Electrical Protection IV</td>
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<td>0,1</td>
</tr>
<tr>
<td>Power Systems IV</td>
<td>EPDST4</td>
<td>0,1</td>
</tr>
</tbody>
</table>

3. What does a Power Engineering Technician/Technologist do?
Power Engineering consists of the following:
- Fundamentals of electrical engineering.
- Generation of power by means of conventional and alternative energy sources.
- Transmission and distribution of electrical power.
- Electrical Machines and Power Transformers.
- Electrical Protection and Power Electronics.

It can be seen from the above that Power Engineering forms an integral part of almost every industrial or household activity. There is a continuous demand for technicians and technologists in this field either from the electricity suppliers, mines, large industries, municipalities or small businesses.

Our diplomats and graduates are equipped with the knowledge, drive and initiative to play a leading role in securing a healthy future in this country through the field of Power Engineering. In the engineering team, Power Engineering reflects a dynamic and changing environment. It is practiced by people who are critical, inquisitive and creative. If you are such a person - then this Programme is just for you!

4. Career Opportunities

4.1 Technician (N Dip - 3 years):
Maintenance, development work, projects at places like Eskom, Mines, Municipalities, Sasol, etc. This person can register as Professional Technician with the Engineering Council of South Africa (ECSA).

4.2 Technologist (B Tech - 4 years):
Higher level of proficiency with special emphasis on technology transfer and application, complex problem solving abilities, analytical thinking and greater technical and managerial skills. This person can register as Professional Technologist with ECSA. For any further information regarding B Tech, please contact the Department of Power Engineering directly.

Government Certificate of Competence: This field of study will allow the student entrance to the National Examination after proof of relevant experience. Subjects required for entrance to the National Examination are listed as follows:

- Digital Systems I
- Electronics I
- Computer Skills 1
- Industrial Electronics II
- Electrical Machines II
- Mathematics IIA
- Electrical Protection III
- Electrical Machines III
- Design Project III
- Mechanics 1,
- Strength of Materials II
- Mechanical Technology II

5. Enquiries
Enquiries may be addressed to:
Head of Department Power Engineering: Faculty of Engineering
Vaal University of Technology
Private Bag X021 Vanderbijlpark 1900
Tel: (016) 950-9295 or 950-9908; Fax: (016) 950-9795; e-mail: rosemaryk@vut.ac.za website: www.vut.ac.za

Chemical Engineering

1. Admission Requirements

<table>
<thead>
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<th>Subjects</th>
<th>Diploma Eligibility for Diploma or BTech Degree</th>
<th>Note</th>
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<tr>
<td>NSC endorsement</td>
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<tr>
<td>Compulsory subjects</td>
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<tr>
<td>English</td>
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<td>Mathematics</td>
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<td>Physical Science</td>
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<tr>
<td>Any other 4 subjects</td>
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<td></td>
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<tr>
<td>Total</td>
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<td></td>
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</tbody>
</table>

Note: scholars who do not qualify for the National Diploma Programmes may apply for the foundation programmes. Tel: (016) 950 9589. For details on the pre-diploma bridging programmes see VUT website: www.vut.ac.za
2. Curriculum

2.1 National Diploma: Engineering: Chemical All subjects are compulsory.

Part 1

Part 2

Part 3

Part 4

The work integrated learning component must be completed at an approved employer and can be done after completion of S2 or later. A candidate must do a minimum of 12 month work integrated learning.

2.2 Baccalaureus Technologiae (B Tech) - Admission requirements:
All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months work integrated learning.

Duration of Programme: A degree will be awarded after the successful completion of 10 subjects. The Programme is offered full time, minimum duration of Programme: The equivalent of 1 year full-time study.

Programme Structure: All subjects are compulsory

2.3 Magister Technologiae: Engineering

3. What are the functions of a Chemical Engineering Technician?
The qualified technician may find himself/herself as a member of an engineering team which may consist of engineers, scientists, artisans, process personnel, technologists and technicians from other disciplines. Functions may include the commissioning and maintenance of chemical plants, process control, design and development, optimizing of chemical processes, quality control over the products of the manufacturing processes, feasibility studies and a variety of tasks related to the chemical process industry.

4. Career Opportunities
A profession in the field of chemical engineering offers a challenging and exciting career in both the private and public sectors. There is a continuous demand for trained manpower in the field of chemical engineering. Job designations may vary from production foremen, area superintendents, line managers and various others within several branches of heavy, light and general types of industries where the services and expertise of such persons are required.

5. Enquiries may be addressed to:
Head of Department Chemical Engineering: Faculty of Engineering
Vaal University of Technology
Private Bag X021 Vanderbijlpark 1900
Tel: (016) 950-9243 or 950-9884; Fax: (016) 950-9796; e-mail: rethav@vut.ac.za
website: www.vut.ac.za

Note: Scholars who do not qualify for the National Diploma Programmes may apply for the pre diploma programmes see VUT website www.vut.ac.za

Note: Any candidate not meeting the standard minimum required but with total points of 28 can be placed on waiting list into Engineering Extended Programme including Foundation.

CIVIL ENGINEERING & BUILDING

1. Admission Requirements

<table>
<thead>
<tr>
<th>Subjects</th>
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<td>NSC endorsement</td>
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<td>Compulsory subjects</td>
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<td>Mathematics</td>
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<tr>
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<tr>
<td>Total</td>
<td>24</td>
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</tbody>
</table>

Hierachy of Qualifications

The National Diploma is the first level of qualification (3 years). Beyond that, the following degree hierarchy exists:

- Baccalaureus Technologiae (B Tech) 4 years
- Magister Technologiae (M Tech) 5 years
- Doctor Technologiae (D Tech) 7 years

Note: Scholars who do not qualify for the National Diploma Programmes may apply for the foundation programmes. Tel: (016) 950-9589. For details on the pre diploma programmes see VUT website www.vut.ac.za

2. Programme Structure of the National Diploma

This is a 3 year Programme and consists of:

Four semester university attendance (27 subjects).
Two semesters experiential training in industry which should preferably be done after the second semester of university attendance.

Chemical Admission requirements:

B Tech: Engineering: Chemical or equivalent. As this degree is based on research, all candidates shall, prior to registration submit the following:

Guidelines for research projects are available at the Faculty of Engineering.
Duration of Programme: The equivalent of 1 year full-time study.

Programme Structure: This instructional programme comprises of a thesis only.

PhD Engineering: Chemical Admission requirements:

Magister Technologiae: Engineering: Chemical or equivalent, Ad hoc cases will be treated on merit.
Duration of Programme: At least two years full-time research, concluded with a Doctoral Thesis.

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Note: Any candidate not meeting the standard minimum required but with total points of 28 can be placed on waiting list into Engineering Extended Programme including Foundation.
2.1 University Attendance
All the subjects are compulsory.

**Semester 1**

**Semester 2**

2nd Year
This year is devoted to experiential training in industry. Structured guide-lined assessment and evaluation is done through prescribed reports, supervision and monitoring visits. Engineering Practice: Civil II, Engineering Practice: Civil III. Whilst the University will provide assistance to students to find placement for experiential training, such placement cannot be guaranteed.

**Semester 3**
Applied Communication Skills 2.1, Management: Civil II, Transportation Engineering II, Geotechnical Engineering II, Structural Steel and Timber Design III, Structural Analysis II, Water Engineering II.

**Semester 4**
Documentation III, Transportation Engineering III, Geotechnical Engineering III, Reinforced Concrete and Masonry Design III, Structural Analysis III, Water Engineering III.

**Baccalaureus Technologiae (B Tech)**
- Admission requirements
  All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including Work Integrated Learning.
- **SPECIALISATION FIELDS:** Transportation, Water, Structural, Urban Engineering.
- **PROGRAMME DURATION:** It is offered by means of part-time classes. Two subjects per semester. This programme will therefore take a minimum of two years to complete. **ENTRANCE REQUIREMENT:** National Diploma: Engineering: Civil.
- **ADDITIONAL CONDITIONS:**
  For candidates applying for admission into the Programme B Tech: Engineering: Civil (Transportation Engineering), the following conditions shall also apply:
  Apart from meeting the above requirements, a candidate must obtained a 60% aggregate in a combination of ANY FOUR of the following subjects at the National Diploma: Engineering: Civil level: Transportation Engineering 2 and 3, Geotechnical Engineering 2, Surveying 2 and Documentation 3.
  For candidates applying for admission into the Programme B Tech: Engineering: Civil (Water Engineering), the following conditions shall also apply:
  Apart from meeting the above requirements, a candidate must obtained a 60% aggregate in a combination of ANY FOUR of the following subjects at the National Diploma: Engineering: Civil level: Applied Mechanics 1, Water Engineering 2 and 3, Geotechnical Engineering 2 and 3.
  For candidates applying for admission into the Programme B Tech: Engineering: Civil (Urban Engineering), the following conditions shall also apply:
  Apart from meeting the above requirements, a candidate must obtained a 60% aggregate in a combination of ANY FOUR of the following subjects at the National Diploma: Engineering: Civil level: Transportation Engineering 2 and 3, Water Engineering 2 and 3, and Documentation 3.

4. Careers
The following selection of careers are available:
Design draughtsman, project official, site agent, municipal technician, engineering surveyor, quantity technician, designer, laboratory technician, contracts manager, project planner, estimator, quality controller, geotechnician.

4.1 Career Opportunities
There is ample opportunity to attain job satisfaction and attractive financial rewards. Some past students from this department have senior positions at consulting engineering firms, construction companies, government bodies, local authorities and industry. This career is accessible to men and women of all races.

5. Enquiries
Enquiries may be addressed to:
The Head of Department
Civil Engineering and Building - Block RE Building (3rd Floor)
Vaal University of Technology, Private Bag X021 VANDERBIJLPARK 1900
Tel: (016) 950-9241; Fax: (016) 950-9957 e-mail: patienceb@vut.ac.za website:
1. Admission Requirements

a) Completion of the Project Research IV subject (or approved equivalent) at the B Tech level;

b) Submission of a research proposal approved by the EXCO of Senate.

Minimum duration is one year. Note: Guidelines for research projects are available from the Faculty of Engineering.

5. What is Industrial Engineering

The main objective of this discipline is to constantly improve methods, procedures and practices within an organisation, in order to increase productivity and profits. Value is added if inputs like manpower, materials, machinery and money are converted more effectively into products and services by using sound management principles.

An Industrial Engineer is continually engaged in core aspects such as communication, cooperation, quality, planning and scheduling, as well as the calculation of cycle time, capacity and utilisation. Industrial Engineers should also be competent in economic analysis, problem solving, material handling, facility layout etc.

Industrial Engineering therefore requires persons who like working with people; who enjoy analysing and solving problems, developing solutions, gaining co-operation and motivating people. Industrial engineers always seek better, quicker and cheaper ways of doing things.

6. Job Opportunities

There is a great need for persons who are well trained in Industrial Engineering. Job opportunities for business advisors, industrial analysts, production personnel, planning personnel and line managers are available in all types of manufacturing companies as well as in service organisations.

Experience has shown that people with a qualification in Industrial Engineering and a dynamic personality, quickly progress to management level or start their own businesses.

7. Registration with ECSA

Registration with the Engineering Council of South Africa (ECSA) is possible. The following registration options are available:

i) Registered Engineering Technician after completion of the National Diploma.

ii) Registered Professional Technologist after completion of the B Tech degree with a minimum of three years industry experience.

8. Enquiries

Student Registration, Vaal University of Technology, Private Bag X021, Vanderbijlpark, 1900.

Further enquiries might be addressed to:

The Head of Department: Industrial Engineering and Operations Management

Vaal University of Technology, Private Bag X021, Vanderbijlpark, 1900

Tel: (016) 950 9287; Fax: (016) 950 9797; suzie@vut.ac.za;

marisee@vut.ac.za; website www.vut.ac.za
1. Admission Requirements

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Diploma NSC endorsement Eligibility for Diploma or BTech Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory subjects</td>
<td>4 English, 4 Mathematics, 4 Physical Science, 3 Any other subjects minimum 3</td>
</tr>
<tr>
<td>Total</td>
<td>24</td>
</tr>
</tbody>
</table>

Note: scholars who do not qualify for the National Diploma Programs may apply for the foundation programmes.

Note: 3 = 40-49%, 4 = 50-59%, 5 = 60-69%, 6 = 70-79%, 7 = 80-89%, 8 = 90-99%

A diploma will be issued on the completion of six semesters of university education.

4. Curriculum

Semester 1: ICT Skills; Manufacturing Technology I; Organisational Effectiveness I: Module 1; Operations Management I: Module 1; Applied Communication Studies I Module 1

Semester 2: Applied Communication Studies 1.2; Organisational Effectiveness I: Module 2; Manufacturing Technology I: Module 2; Operations Management I: Module 2; Workplace Dynamics 1; Module 2

Semester 3: Applied Communication Studies 2: Module 1; Couting and Estimating I: Module 1; Organisational Effectiveness 2: Module 1; Operations Management 2: Module 1; Operations Research III: Module 1.

Semester 4: Applied Communication Studies 2.2; Costing an Estimating I: Module 2; Organisational Effectiveness 2: Module 2; Operations Management 2: Module 2; Operations Research III: Module 2;

Semester 5: Organisational Effectiveness 3: Module 1; Operations Management Techniques 2; Operations Management III: Module 1; Labour Law 1: Module 1

Semester 6: Operations Management Practice 1; Operations Management Techniques 3; Operations Management 3: Module 2; Labour Law 1: Module 2.

Operations Management offers a challenging and exciting career in the private sector. The expertise and skills that you will achieve find their optimum application and growth in the manufacturing industry, progressively, as Production Assistant / Production Planner, Production Scheduler / Head Planner, Production Superintendent, Production Manager and Operations Manager. People with Operations Management qualifications and experience are also well equipped to start their own business.

7. Enquiries
Student Registration, Vaal University of Technology, Private Bag X021, Vanderbijlpark, 1900.
Further enquiries might be addressed to:
The Head of Department: Industrial Engineering and Operations Management
Vaal University of Technology, Private Bag X021, Vanderbijlpark, 1900
Tel: (016) 950 9287; Fax: (016) 950 9797; suzie@vut.ac.za; marisee@vut.ac.za; website www.vut.ac.za
1. Admission Requirements

Subjects | Diploma Eligibility for Diploma or BTech Degree
--- | ---
**NSC endorsement** | **Note**
Compulsory subjects | 
English | 4 | 
Mathematics | 4 | 
Physical Science | 4 | 
Any other 4 subjects minimum 3 | 3x4=12 | 
Total | 24 |

**Hierarchy of Qualifications**

Degrees: Doctor Technologiae (D Tech) 7 years,
Magister Technologiae (M Tech) 5 years,
Baccalaureus Technologiae (B Tech) 4 years
Diploma: National Diploma: Engineering: Mechanical (N Dip) 3 years
Note: Scholars who do not qualify for the National Diploma Programmes may apply for the pre diploma programmes. Tel: (016) 950-9589. For details on the pre diploma programmes see VUT website www.vut.ac.za

2. Programme Structure: National Diploma

Four semesters University attendance.
Two semesters work integrated learning in industry. The Vaal University of Technology is not responsible for providing opportunities for work integrated learning but will assist students in obtaining such opportunities. This Department offers the following fields of study in this programme: Design and Electromechanical. All students are required to complete at least one of the two streams. Note that the medium of instruction is English.

2.1 Curriculum

**Semester 1:** Mechanics I, **Mechanical Engineering Drawing I**, ICT Skills, Applied Communication Skills 1.1, Mechanical Manufacturing Engineering I, Electrical Engineering I, Mathematics I, EDL. *Prerequisite for Mechanics of Machines II, Strength of Materials II, Fluid Mechanics II and Thermodynamics II. **Prerequisite for Mechanical Engineering Design II


**Baccalaureus Technologiae (B Tech)** - Admission requirements

All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months Work Integrated Learning.
(iii) Mathematics III, Hydraulic Machines III, Steam Plant III, Theory of Machines III, and Applied strength of Materials III must be passed at diploma level

**PROGRAMME DURATION:** Minimum formal time is one year full time or two years part-time.

**SUBJECTS**

**Option 1:** Technology

Engineering Design Project IV (Two semesters - enrolment in January), Strength of Materials IV, Stress Analysis IV, Mechanics of Machines IV, Automatic Control IV, Fluid Mechanics IV, and Turbo Machines IV.

**Option 2:** Management

Engineering Design Project IV (Two semesters - enrolment in January) plus two of the following combinations:
Strength of Materials IV / Stress Analysis IV; Mechanics of Machines IV / Automatic Control IV; Fluid Mechanics IV / Turbo Machines IV.

Note: scholars who do not qualify for the National Diploma Programmes may apply for the foundation programmes. Tel: (016) 950 9589. For details on the pre-diploma bridging programmes see VUT website www.vut.ac.za

3. What does a Technician in Mechanical Engineering do?

A technician is a person in possession of at least the National Diploma in Engineering. The task of the technician in the design field is to assist the engineer/technologist with the design of new products or equipment for use in industry or society. A technician in the maintenance field must see to it that preventive or scheduled maintenance is done on all machines in order to prevent interruptions in production. The activities in Mechanical Engineering can therefore be grouped into design, maintenance, electromechanical and project work where the latter includes aspects such as planning of projects, cost control, evaluation of tenders, negotiations with contractors, control over the progress of the project, co-ordination of all the interested departments and commissioning of the completed project.

3.1 Who is a professional Technologist?  
He/she is a person who has completed at least a B Tech degree, has the necessary practical experience and is registered with the Engineering Council of South Africa as a professional person. Such a person can perform work of an engineering nature prescribed by the Minister as the kind of work reserved for persons registered in terms of an Act of Parliament. This person can offer a consulting service in the field in which he/she has received the necessary academic and practical training.

3.2 What is the certificate of competency as Engineer?  
The Certificate of Competency as a Mechanical and / or Electrical Engineer is issued by the Department of Labour (Factories) or the Department of Mineral and Energy Affairs (Mines) to a person with the necessary academic (diploma / degree) and practical experience who has passed a qualifying examination. A person with such a Certificate must take responsibility for the operation of a factory or mine where the consumption of electricity exceeds a certain limit. This University of Technology is one of a few tertiary institutions which offers accredited Diplomas (by both Departments mentioned above) as preparation for the examination for this Certificate.

4. Career opportunities

In any heavy or light manufacturing industry, e.g. the chemical industry, iron and steel manufacturing industry, mining industry, power stations, transport services, provincial and government services, etc. Technicians are much sought after and a career in this field is lucrative and rewarding.

5. Enquiries

Learner Registrations, Vaal University of Technology, Private Bag X021, VANDERBIJLPARK 1900

Further enquiries may be addressed to:
The Head: Department of Mechanical Engineering
Vaal University of Technology, Private Bag X021, VANDERBIJLPARK 1900
Tel: (016) 950-9287; Fax: (016) 950-9797 e-mail: suzie@vut.ac.za
Subjects

<table>
<thead>
<tr>
<th>Diploma</th>
<th>Eligibility for Diploma or BTech Degree</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Note: scholars who do not qualify for the National Diploma Programmes may apply for the pre diploma programmes. Tel: (016) 950-9589. For details on the pre diploma programmes see VUT website <a href="http://www.vut.ac.za">www.vut.ac.za</a></td>
</tr>
<tr>
<td>Compulsory subjects</td>
<td>Note: scholars who do not qualify for the National Diploma Programmes May apply for the pre-diploma bridging programmes. See VUT website <a href="http://www.vut.ac.za">www.vut.ac.za</a></td>
</tr>
<tr>
<td>English</td>
<td>Physical Science</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Any other 4 subjects minimum 3</td>
</tr>
</tbody>
</table>

Total: 24

Note: Scholars who do not qualify for the National Diploma Programmes may apply for the pre diploma programmes. Tel: (016) 950-9589. For details on the pre diploma programmes see VUT website www.vut.ac.za

2. National Diploma

Semester 1


Semester 2


Optional subjects: (Select two)

Strength of Materials II, Practical Metallurgy (PM option) or Mineral Processing, Practical Metallurgy (EM option).

N.B: A maximum of two subjects from any other engineering discipline as approved by the HOD.

A National Certificate may be awarded to a candidate on the successful completion of the six first semester subjects and any six second semester subjects.

Semester 3

Compulsory subjects: Quality Control II, Metallurgical Thermodynamics II, Physical Metallurgy II (PM option) or Applied Mineral Processing II (EM option), Applied Communication Skills II(X).

Optional subjects:

One subject out of each of the following subject groups:

Group A: Materials Testing III (PM option), Metallurgy III (PM option), Extraction of Non-Ferrous Metals III (EM option), Production of Iron & Steel (EM).

Group B: Foundry Technology II (PM & EM), Ferroalloy Technology II (EM option), Geology I (EM option).

Group C: Composite Materials II

Group D: Mechanical Deformation Technology II (PM option), Chemical Metallurgy II (EM option), Refractories II (EM option).

N.B: A maximum of two subjects from any other engineering discipline as approved by the HOD.

Semester 4

Compulsory subjects: Physical Metallurgy III (PM option) or Applied Mineral Processing III (EM option), Applied Communication Skills II(Y).

Optional subjects:

One subject out of each of the following subject groups:


Group B: Quality Control III (PM & EM), Chemical Metallurgy III (EM option), Mechanical Metallurgy III (PM option).

Group C: Welding Technology II (PM option), Mineralogy II (EM option), Refractories III (EM option).

Group D: Mechanical Deformation Technology III (PM option), Extraction of Non-Ferrous Metals III(EM option), Production of Iron & Steel III(EM option).


N.B: A maximum of two subjects from any other engineering discipline as approved by the HOD.

Remarks

The programme consists of a minimum of 24 credits, spread over a minimum of four semesters, plus one year Work Integrated Learning at an approved employer. The programme will therefore take a minimum of 3 years to complete.

3. Baccalaureus Technologiae (B Tech) - Admission requirements

All applicants must have a National Diploma with the proviso of a 60% performance in those diploma subjects that will carry forward into the B Tech qualification, including 12 months Work Integrated Learning. The prerequisite is a National Diploma with the relevant prerequisite subjects for the field of specialisation.

This Programme is offered from January to November, on Fridays (1 year). The Programme consists of a year-long project plus a minimum of three subjects from the options listed below.

4. M Tech

B Tech or equivalent: This is a purely research qualification. The student should prove that he/she has passed an approved Programme in research methodology.

5. D Tech

Admission requirements:

Magister Technologiae: Engineering: Metallurgical Ad hoc cases will be treated on merit.

Duration of the programme: At least two years full time research, concluded with a Doctoral Thesis

6. What are the functions of the Metallurgical Technician?

He/she will be involved in:

- Developing new processes/procedures in the extraction/manufacturing industry as well as optimising/improving existing processes; ensuring the quality of products during the different stages of the process; testing and inspection of the final material/product.

7. Career Opportunities

Many opportunities exist at primary producers of both ferrous and non-ferrous metals as well as in the manufacturing industry.

8. Enquiries

Enquiries may be addressed to:

Head of Department: Metallurgical Engineering
Vaal University of Technology, Private Bag X021, VANDERBIJLPARK 1900
Tel: (016) 950 9243; Fax: (016) 950 9796
E-mail: rethav@vut.ac.za Website: www.vut.ac.za
WELCOME
The Sport Academy would like to extend a warm welcome to you as a new student on campus. We invite you to make use of the numerous well equipped sport facilities that are available. We have top quality coaches who are willing to help with your needs. Through sport we build the image of VUT. We wish you a happy and successful sporting experience.

ADMISSION REQUIREMENTS
Registration at any one of the sport clubs is open to all full time, part time, as well as non-students at the Vaal University of Technology. Acceptance to clubs depend on that club's constitution. There is no discrimination with regard to gender, colour or creed at the Sport Academy and its associated divisions and clubs. This is also the policy at the Vaal University of Technology. Kindly note that only bona fide VUT students will qualify for selection to national student teams and for representing the VUT at the University Sport South Africa (USSA) tournaments.

SPORT CODES
USSA and Provincial Leagues
- Rugby
- Basketball
- Softball
- Volleyball
- Netball
- Body Building
- Aerobics
- Chess
- Football

Dean: Mr GB Koen (016) 950-9918
Head of Department (Sport and Recreational Services): (016) 950-9248
Secretary (016) 950-9282
Stadium Manager: Mr Hannes Hattingh (016) 981 6403

FACILITIES
Isak Steyl Stadium
- 2 rugby fields (floodlit)
- grandstand & VIP lounge
- 3 soccer fields (floodlit)
- 1 athletics track (floodlit)
- throws practice nets (floodlit)
- Astro Hockey field (floodlit)
- 2 hockey grass fields (floodlit)
- hockey/cricket/soccer clubhouse

- 2 cricket fields (2 x floodlit)
- 8 cricket nets
- hockey/cricket open pavillion
- 6 netball courts (floodlit)
- 6 tennis courts (floodlit)
- 3 basketball courts (floodlit)
- Weight training room
- VUT radio station

HOSTELS
- 3 tennis courts (floodlit)
- 2 soccer fields
- 1 gymnasium

SPORT MERIT BURSARIES
Merit bursaries are available, with the minimum requirements being provincial colours. Priority is given to USSA sports. The annual closing date is 31 October.

SPORT AWARDS
Honours:
Awarded to athletes who are selected at a senior provincial level or higher and to those who are selected to represent the different USSA teams.

Merits:
Awarded to athletes who are selected for provincial junior teams.

General:
The Sport Academy works in conjunction with the Academic Faculties and the Sport Management Department as well as With South African Sport Federations such as Athletics South Africa, Basketball South Africa, Gauteng Cricket Board, Falcons Rugby etc.

ENQUIRIES
VUT Sport Academy
Vaal University of Technology
Private Bag X021
Vanderbijlpark 1900
Tel: (016) 950-9917
Fax: (016) 950-9763
Sport & Recreation
Tel: (016) 950-9282
Fax: (016) 950-9763

GPS: S26, 42’ 15.1 /E27, 52’ 35.1
Bursaries & Loans

VISION
To become recognised as a leading administrative section providing a creative, holistic personalised and satisfactory service to a wide range of clients, to the maximum benefit of all concerned.

MISSION
Financial Aid Office strives to offer a comprehensive internal and external administrative service to all stakeholders, specifically catering for individual needs in a creative and professional manner in order to make a meaningful contribution to their success and in so doing to foster a long term working relationship.

The Financial Aid Office offers the following services in order to help students to obtain bursaries and/or loans to be able to complete their studies. Bursaries and/or loans are offered in all study fields at the Vaal University of Technology.

1. SPORT BURSARIES
The Vaal University of Technology offers Sport Bursaries to students who have excelled in sport. The value of these bursaries is determined by the level of competitions in which candidates have participated.

The retention of a sport bursary is dependent on satisfactory academic progress.

Contact number: (016) 950 9282 / 9307

2. MERIT AWARD (Academic)

2.1 FIRST YEARS

Grade 12 Results

<table>
<thead>
<tr>
<th>%</th>
<th>Criteria</th>
<th>Bursary</th>
</tr>
</thead>
<tbody>
<tr>
<td>75%+</td>
<td>Science Engineering &amp; Technology</td>
<td>R15 000</td>
</tr>
<tr>
<td>70%+</td>
<td>Photography</td>
<td>R12 000</td>
</tr>
<tr>
<td>65%+</td>
<td>Fine Arts</td>
<td>R10 000</td>
</tr>
<tr>
<td>75%+</td>
<td>Accounting</td>
<td>R10 000</td>
</tr>
<tr>
<td>70%+</td>
<td>Accounting</td>
<td>R 6 000</td>
</tr>
<tr>
<td>65%+</td>
<td>Accounting</td>
<td>R 4 000</td>
</tr>
<tr>
<td>75%+</td>
<td>Other</td>
<td>R 7 000</td>
</tr>
<tr>
<td>70%+</td>
<td>Other</td>
<td>R 5 000</td>
</tr>
<tr>
<td>65%+</td>
<td>Other</td>
<td>R 3 000</td>
</tr>
</tbody>
</table>

Closing date: 31 January each year
Contact number: (016) 950 9342 / 950 9486

2.2 SENIOR STUDENTS Please note:
A list of all qualified students will be published no later than 31 March.
Funds are allocated in the following manner: Annual aggregate of 75+- (Minimum 3 registered subjects per annum), R5000 automatic award.

3. PRESTIGE AWARDS
Depending on the availability of funds, students can receive prestige awards dependent on involvement in student activities throughout the year. Contact number: (016) 950 9900

4. COMPANY BURSARIES
At the Vaal University of Technology we fully provide assistance to all company sponsored students. Students who are in possession of confirmation letters must report to the Financial Aid Bureau where their registration will be dealt with.

The following assistance is provided
* Meal vouchers* Book vouchers
* Booking of residence
* Sending of statements
* Sending of Academic Records
* Handling of all refunds
* Debt Collection* Company Visits

NOTE: The Vaal University of Technology is not responsible in funding nor seeking sponsorship (s) for students. It also remains the responsibility of the student to ensure that their accounts are settled on time.

Should any information be required feel free to contact the following numbers:
Tel: (016) 950 9342 Fax: (016) 950 9106

The Vaal University of Technology will provide assistance to students in securing placements for experiential training but does not guarantee such placements.

5. LOANS

i) NSFAS LOANS
What is NSFAS?
The National Student Financial Aid Scheme (NSFAS) is a loan and bursary scheme operating in terms of Act 56 of 99 and funded by the National Department of Education. NSFAS has been established to assist academically deserving and financially needy students to achieve academic goals at tertiary educational institutions in South Africa, with particular concern in overcoming barriers created by structural disadvantage.

What does NSFAS offer?
- The means to obtain a tertiary qualification
- Loans at low interest rates
- Loans without guarantees
- A reasonable repayment plan

NSFAS convert loan (s) to a Bursary.
Up to 40% of the award may be converted into a bursary depending on your end of year results.
- If you pass all the courses for which you have registered, you qualify for a 40% bursary.
- If you pass three quarters of the course, you qualify for a 30% bursary.
- If you pass half of the courses, you qualify for a 20% bursary.
- If you pass one quarter of the course, you qualify for a 10% bursary.
- If you pass none of the courses, you qualify for no bursary at all.

What is a loan?
- A loan is the money you borrow to cover tertiary studies. This loan has to be repaid.

Who qualifies for a NSFAS loan?
You can qualify for a NSFAS loan if you are:
- A South African citizen;
- Registered at a South African university or University of Technology;
- An undergraduate, studying for a first tertiary educational qualification; or
- Studying for a second tertiary qualification, if this is necessary to practice in your chosen profession; (e.g. LLB or HDE)
- Able to demonstrate potential for academic success;
- Financially needy;
- You will, however, be expected to make your own family contribution towards the total costs of your studies. (EFC)

How much money do you get?
- There is a minimum award and a maximum award, which is determined annually by NSFAS. Please enquire at the Financial Aid Office for the current limits.

Where do you apply for a loan?
At the Financial Aid Office of the Vaal University of Technology.

NOTE:
Interest on NSFAS awards is determined annually by NSFAS.

Closing dates:
Senior students (year and first semester courses) 04 October 2016.
First year students (year and semester courses) 31 October 2016.
Late first year applicants: 24 January 2017.
Late applicants will only be considered for awards if funds are available.

Contact numbers: (016) 950 9484, 9972, 9486, 9485, 9571
Brochures for NSFAS ‘Students guide to funding’ are available at the Financial Aid Bureau office.

ii) EDU-LOAN
Do you need study finance?
You can apply for Edu-loan at the VUT campus (Finance). Edu-loan offers hassle free educational finance. As long as you, or a family member, receive a salary, paid into a bank account then you could qualify for an Edu-loan. What’s more, if we have an agreement with your, or your family member’s employer, we won’t even have to carry out credit checks.
Student Counselling and Support Career Services

Student Counselling and Support as a whole is committed to offering career support, career counselling and guidance, therapeutic counselling and support as well as spiritual/pastoral guidance and support.

Career services that are offered within Student Counselling and Support

The Career Centre Support Services include:

- Career Guidance
- Psychometric Testing
- Workplace Preparation:
  - CV writing
  - Job hunting skills
  - Interview skills
  - Professionalism and ethics
- Academic Support:
  - Adjustment to student life
  - Study skills/time management
  - Exam preparation
  - Exam and test anxiety
  - Personal Finance

As enrolled students, the above services are available FREE of charge.

Prospective students and External Clients can liaise with our department to enable them to make appropriate subject (Grade 9) and career (Grade 11/12) choice as well as graduate career development decisions. Career and subject choice counselling process include:

1. The initial interview (40-60 minutes) and parents are welcome to sit in on the interview
2. Psychometric testing (approximately 5 hours) determining your:
   - interests: which measures how people differ in their motivation, values and opinions in relation to their interests
   - Aptitude: Which measures how people differ in their ability to perform or carry out different tasks
   - Personality: Which measures how people differ in their style or manner of doing things and in the way they interact with their environment and other people
3. Feedback session (40-60 minutes), where we will be giving feedback about the assessment and discussing the outcomes with you. Parents are welcome to sit in during this session

Procedure to follow on assessing our services:
- Phone (016) 950-9244 or visit us at P021
- An initial interview will be arranged, after which a payment (R600.00) must be made at AW-Building into cost code 4220/5460. The receipt must be forwarded to us.
- A booking for psychometric testing will be confirmed as soon as the proof of payment is received
- The payment includes the feedback session that will be scheduled after the psychometric testing to discuss the results.

Career Assessments and Career Guidance Services are offered to Grade 9-12 Learners as well as those who have graduates and are looking to develop in their career.

Office Hours:
Monday – Friday
08:30-16:30

For further information, please feel to contact us and calling our office

Where to find us:   P-Block (P021-ground floor)
Contact number: (016) 950 9244

VUT- Student Counselling and Support

www.vut.ac.za
Major expenses for the year:
Registration fee, Accommodation, Class / Course Fees, Books, Pocket Money, Transport.
For costs see VUT website www.vut.ac.za (look under: Study at VUT, Tuition Fees & Study Loans).

Application for Admission & Accommodation:
Prospective students are advised to apply early in the year preceding registration for admission to the course, and / or for hostel accommodation.
Arrangements can be made to visit the campus in this regard.
Closing date for admission 30 September.
Closing date for accommodation applications 31 October.

International Students:
31 October

How to apply:
See front page of application form or VUT website (www.vut.ac.za) click on “study at VUT” and then “admissions and how to apply” and then “how to apply”.

Enquiries:
General Tel: (016) 950 9924/5 or Call Centre 0861 861 888
Admission Enquiries: (016) 950 9356

Application Status: Self-check
Go to VUT website - www.vut.ac.za
Click on “admissions new students”
Click on “check your application status”
Click on blue block “check your application status”
Enter student or identification number
Click “submit”

The Department of Co-operative Education assists in experiential learning administration and placements.
Contact details: Tel: (016) 950 9496
Fax: (016) 950 9759
E-mail: wil@vut.ac.za

The institution makes every attempt to accommodate students with disabilities.

Whilst every effort has been made to present you with the relevant information in this brochure, program offerings may be subject to change in order to keep abreast with new developments in the higher education landscape. The institution therefore reserves the right to unilaterally change or amend any of the content / structures contained herein.