

FACULTY	ACADEMIC PROGRAMME				CAMPUS/learning site	English (as first language)	OR English (as additional language)	Mathematics	OR Mathematical Literacy	Additional Languages	Accounting	Agricultural Science/Technology/Management	Business Economics	Business Studies	Consumer Studies	Computer Applications Technology (CAT)	Computer Sciences	Economics	Engineering Graphics and Design	Geography	History	Information Technology	Life Sciences (Biology) OR Physical Science	Performing Arts and related	Visual Arts and related	POSSIBLE CAREERS		
	National Diploma 3 years	• B: B Tech Degree 4 years • M: Masters Degree 5 years • D: Doctorate Degree 7 years	Approximate First Year Cost	Approximate First Year Cost																								
THE ARTS	Dance	•••	32 430		3	3																			Professional dancer or dance teacher, choreographer			
	Drama	•••	20 130		4	4																			Professional performing artist, opportunities in cabaret, film, stage, radio, television, educational theatre, industrial theatre, stage administration, children's theatre and puppet theatre, teaching			
	Fashion	•••	25 140		3	3																				Fashion designer, pattern maker, pattern grader, costume designer, coordinator, buyer, illustrator, editor, presenter, cad grader, quality controller, broker, entrepreneur, educator		
	Film and Television	•••	36 720		3	3																				Film/video producer, scriptwriter, director, film marketing manager, critic, producer, editor, lighting and camera person, self employed		
	Fine Art	•••	19 240		3	3																				Professional artist, curator, manufacturing designer, teacher, computer artist, sculptor, painter, print maker, glass artist, ceramics artist, photographer, sign painter, cartoonist		
	Graphic Design	•••	29 570		4	4																				Design artist in the public and private sectors, e.g. layout artist, visualiser, illustrator, package designer		
	Multi Media Visual Arts	•	19 880		4	4																				Producer, creative director, art director, technical director, games designer, interface designer and interactive writer		
	Interior Design	•••	21 740		3	3																				Display designer, model builder, technical draughtsman, interior draughtsman, architectural illustrator, furniture designer, shop designer, window display designer, interior photographer		
	Jewellery Design and Manufacture	•	19 880		3	3																					Manufacturing jeweller and jewellery designer, artist jeweller, sales representative, sales staff	
	Music	•	27 890		3	3																					Performer, arranger for film/TV/radio, freelance musician, sound engineer, composer, musical director, record producer, music teacher, performing/multimedia artist, researcher, music programmer	
	Musical Theatre	••	28 980		3	3																					Professional career in musical theatre (on stage and TV), performer teacher in entertainment industry, advertising and promotion	
	Performing Arts Technology	•••	35 000		3	3	2	3																		Entertainment industry, theatre, film and TV, advertising and promotion companies, sound-recording studios, film-related industries, production houses and the display industry		
	Photography	••	23 000		3	3																					Photographer employed by an organisation or doing freelance work: portraiture, advertising, fashion, press, editorial, industrial, architecture, fine art	
	Textile Design and Technology	•••	18 070		3	3																					Textile designer/producer, theatre textile technician, costume designer and producer, fashion illustrator, developer and sales person, textile studio manager, adviser, stylist and exhibitor, entrepreneur	
Vocal Art: Coral training; Performance	•	40 450		3	3																					Choir leader, entrepreneur, classically trained opera singer, singer/coral conductor, singer/voice pedagogue		
ENGINEERING AND THE BUILT ENVIRONMENT	Architecture Professional Building	••	28 200	Pr	4	4	3	5																		Architectural technologist, property inspector, building product consultant, specialising in architectural technology, self-employed and private architect		
	Building	••	15 000	Pr	4	4	4																				Construction manager, technician quality surveyor, clerk of works, building inspector	
	Engineering: Chemical (E)	•••	26 080	Pr	4	4	4																				Chemical engineering technician and technologist, researcher and developer, fuel-cell technologist, consultant, planner, mould designer, production supervisor, quality control, inspector, production	
	Engineering: Civil (E)	•	19 840	Pr	4	4	4																				Construction manager or supervisor, project manager, technician in civil engineering working for a civil engineering consultant, construction company, or local, provincial or national government	
	Engineering: Electrical (Extended)			PrE																							Technician, technologist or specialist in clinical engineering, repairing, developing and managing maintenance systems for medical equipment and medical technology, service suppliers. Marketing, developing, repair of electronic systems. Programming, integrating and maintaining systems. Managing digital and analogue design, integration and maintenance on hardware and software related to IT, commercial and industrial sectors. Developing, managing, marketing and programming electronic systems related to IT, commercial and industrial sectors. Maintenance and installation of equipment in the field of radio, television, radar and microwave engineering as well as satellite communication. Design, planning, construction and maintenance of power stations. Protection control and measurement of all power systems from power generation to the user, mechanical technologist. Maintenance, servicing, development and commissioning of apparatus and process instruments, implementation and commissioning of telecommunication. Mechanical technologist specialising in manufacturing, technician, project manufacturing.	
	Engineering: Electrical Clinical Digital, Electronic Power, Process Instrumentation, Telecommunication	•••	27 500	Pr Pr Pr Pr	4	4	4																					
	Engineering: Industrial (E)	•••	27 230	Pr	4	4	4																				Professional technologist, technician, manager, entrepreneur and consultant	
	Engineering: Mechanical (E)	•••	26 000	Pr	4	4	4																					Mechanical technologist, technician, manager, entrepreneur and consultant
	Engineering: Mechatronics (E)	•••	25 640	Pr	4	4	4																					Mechanical and Electronic technologist, technician, manager, entrepreneur and consultant
	Engineering: Metallurgy (E)	•••	25 140	Pr	4	4	4																					Metallurgist, technician, plant manager, consultant, researcher and developer
Surveying (E)	•	18 950	Pr	4	4	4																					Surveying technician, surveyor and professional topographic or engineering surveyor, GIS/LIS, photogrammetr	
Three-Dimensional Design (Industrial Design)	•	21 420	Pr	4	4	3	5																				Designer, design and development manager, project manager in all industrial design related fields, design skills can be applied everywhere.	
ECONOMICS AND FINANCE	Accountancy (National Higher Certificate) 2 years	•	20 350	GMPO	4	4	3	4																		Accounting technician, bookkeeper, accounts clerk, tax consultant, financial accountant		
	Accounting	•	22 390	GM	4	4	3	4																			Financial accountant, auditor, asset manager, administrative service manager, administrative service manager	
	Cost and Management Accounting	•	20 820	GMPO	4	4	3	4																			Cost and management accountant or financial accountant in service industries, trading institutions, manufacturing industries and semi-government or government institutions	
	Economic Management Analysis	•	22 160	G	4	4	3	4																			Consultant, financial analyst, entrepreneur, economist, banking, insurance, investment, public sectors in economics and financial management, financial and management consultant	
	Finance and Accounting (Public)	•	19 710	GMPO	4	4	3	4																			State accountant and accountant in central and provincial government sectors, as well as statutory government institutions	
	Financial Information Systems	•	21 050	GM	4	4	3	4																			Accounting and business analyst in commercial data processing, computer auditor	
	Internal Auditing	•••	22 490	GMPO	4	4	3	4																			Auditor	
	Local Government Finance	•	19 240	G	4	4	3	3																			Accountant at a local government	
HUMANITIES	Business Communication	•••	22 520	S	5	4	3	4																			Marketing communication specialist, industrial journalist, public relations officer, media planner, publicity coordinator, account planner/manager	
	Correctional Services Management	•••	17 070	S	3	3	3	3																			Correctional services official, skills development officer, manager, security official	
	Baccalaureus Educationis: (FET) Specialisation	BEd	20 010	S	4	4	3	3																			Specialisation in Accounting/Business management and Economics/Computer service; Mathematics and Mathematical Literacy	
	Baccalaureus Educationis: (FET) Specialisation: Natural Science	BEd	20 690	S	4	3	4																4	4			Educator/lecturer, school inspector, representative of Department of Education, life-skills facilitator, guidance counsellor	
	Baccalaureus Educationis: (FET) Specialisation: Technical, Technology, Consumer studies	BEd	23 000	S	4	4	3	4																			Educator/lecturer, school inspector, representative of Department of Education, life-skills facilitator, guidance counsellor	
	Baccalaureus Educationis: GET Intermediate/Senior Phase	BEd	22 770	S	4	3	3	3																				Educator/lecturer, school inspector, representative of Department of Education, life-skills facilitator, guidance counsellor
	Baccalaureus Educationis: (GET) Foundation Phase	BEd	26 090	S	4	3	3	3																				Educator/lecturer, school inspector, representative of Department of Education, life-skills facilitator, guidance counsellor
	International Communication	•••	22 590	S	5	4	3	4																				International public relations practitioner, international communication specialist, international tourism officer, media liaison officer, communication practitioner
	Journalism	•••	23 980	S	5	4																						Journalist in printed media, broadcasting, industrial and online journalism
	Language Practice	•••	19 280	S	4	4																						General language practitioner, translator, editor or proofreader, language advisor, consultant, technologist, broadcaster, interpreter, language planner, editor, columnist, writer, teacher
	Legal Assistance	•	15 570	SM	3	3			3																			Estate agent, legal assistant, community advice centre manager, community legal service programmes manager
	Local Government Management	•	29 190	S	3	3	3	3																				Manager at a local government
	Policing	•••	13 310	S	3	3	3	3																				Employee of SAPS, reservist, security occupation community policing, municipal and metro police, private investigators
	Public Management	•••	11 910	SMPo	3	3	3	3																				Clerk, official manager
	Public Relations Management	•••	24 960	S	5	4	3	4																				Public relations practitioner, media officer, communication officer, promotion officer, fund-raiser, industrial journalist, strategist, events manager, media liaison officer, events coordinator
Municipal and Traffic Policing	••	11 460	S	3	3	3	3																				Road traffic and municipal police official, licensing and registration, road safety, senior position in traffic safety division, traffic chief, metro or municipal police official	
Road Safety	••	9 720	S	3	3	3	3																				Road traffic and municipal police official, licensing and registration, road safety, senior position in traffic safety division, traffic chief, metro or municipal police official	
INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)	Engineering: Computer Systems	•••	30 770	S	4	4	4																				Systems analyst, network technologist, systems manager, programmer	
	Information Technology (E)	•••	26 000	S	3	3	3	5																			Depending on field of specialisation: programmer, systems analyst, database administrator, network specialist, web developer, helpdesk operator, project manager, multimedia specialist	
	Information Technology:			S	3	3	4	5																			Depending on field of specialisation: programmer, systems analyst, database administrator, network specialist, web developer, helpdesk operator, project manager, multimedia specialist	
	Software Development (1st year)	•••	24 680	S	3	3	3	5																			Programmer, analyst programmer, systems developer, systems tester, system analyst, designer, project manager, database administrator	
	Business Applications	•••	18 290	S	3	3	3	5																			Computer studies programmer, software developer, database administrator, systems analyst, web developer, network specialist, helpdesk operator, project manager, multimedia specialist	
	Communication Networks	•••	18 550	S	3	3	3	5																			Programmer, database administrator, systems analyst, web developer, network specialist, helpdesk operator, project manager, multimedia specialist	
	Intelligent Industrial Systems	•••	17 630	S	3	3	3	5																			Programmer, software developer, database administrator, systems analyst, web developer, network specialist, helpdesk operator, project manager, multimedia specialist	
	Multimedia (design, technology, programming)	•••	18 070	S	3	3	3	5																				Webmaster, internet applications developer, internet programmer, web content manager, web designer, games programmer, multimedia programmer, designer, 3-D animations games
	Support Services	•	17 800	S	3	3	3	5																				Programmer, system analyst, database administrator, network specialist, web developer, helpdesk operator, project manager, multimedia specialist, computer technician, helpdesk analyst, network analyst, information centre manager, systems administrator
	Technical Applications	•••	16 960	S	3	3	3	5																				Mobile programmer, JAVA developer, analyst programmer, systems developer, systems tester, systems analyst, designer, wireless networks specialist, wireless network analyst
Web and																												

FACULTY	ACADEMIC PROGRAMME	Approximate First Year Cost	CAMPUS/Learning site	POSSIBLE CAREERS																						
				English (as first language)	OR English (as additional language)	Mathematics	OR Mathematical Literacy	Additional Languages	Accounting	Agricultural Science/Technology/Management	Business Economics	Business Studies	Consumer Studies	Computer Applications Technology (CAT)	Computer Sciences	Economics	Engineering Graphics and Design	Geography	History	Information Technology	Life Sciences (Biology) OR Physical Science	Performing Arts and related	Visual Arts and related			
SCIENCE	Agriculture: Animal Production	13 480	Pr	4	4	3	4																		Animal production manager, animal production representative, animal production technician, researcher farmer, feedlot manager, lecturer, agricultural journalist	
	Agriculture: Commercial Mixed Farming	22 710	Pr	4	4	3	4																		Agricultural producer, manager, farmer, representative	
	Agriculture: Crop Production	22 710	Pr	4	4	3	4																		Commercial crop producer, production manager, extension service worker	
	Agriculture: Development and Extension	22 710	Pr	4	4	3	4																		Agricultural developer	
	Analytical Chemistry (E)	26 150	Ar	4	4	4																			Analytical chemist, technologist. Opportunities in laboratories, manufacturing industries (e.g. oil refineries) or research industries, chemical analyst at forensic departments, SAB, Eskom, CSIR, Mintec	
	Biomedical Technology* (E)	20 410	Ar	4	4	4																			Medical technologist, work in medical field, analysing human tissue and blood, pathology, histology, virology, blood transfusion and laboratory work	
	Biotechnology (E)	20 570	Ar	4	4	4																			Biotechnologist or microbiologist, work in the industry or research labs, microbiology, waste management, beverage production, food production, research	
	Clinical Technology*	15 340	Ar	4	4	4																			Clinical technologist, private hospitals and private practices, opportunities in cardiology, nephrology, reproduction, the respiratory system and neurophysiology, cardiovascular perfusion, pulmonology	
	Dental Assisting (National Certificate 1 year)	19 190	PrPo	3	3	3	4																			Assisting in a dental practice, assisting a dentist, infection control, stock control and accounts
	Dental Technology* (E) (equipment included)	45 570	Pr	4	4	3	4																			Dental technician, making and repairing bridges, crowns and dentures, work in dental labs
	Ecotourism Management	24 740	Pr	3	3	3	3																			Field guide, ecotourism guide, tour operator, planner, developer, manager, entrepreneur, ecodestination planner, manager at eco-lodges, researcher
	Environmental Health	16 690	Pr	4	4	3	4																			Environmental health practitioner, health advisor, air-pollution control officer, meat inspector, occupational hygienist, consultant, inspector, environmental officer/auditor, food safety auditor, risk officer, researcher
	Environmental Sciences	26 920	Ar	4	4	4																				Environmental manager, technologist, monitoring the impact of products on the environment, e.g. at SASOL, NECSA, Nissan, Dept. of Environmental Affairs and Forestry, mining companies
	Equine Science	18 210	Pr	4	4	3	4																			Horse-stud manager, horse seller, riding-school owner, equine breeder
	Fire Technology	15 420	Ar	3	3	3	4																			Fire fighter, fire prevention officer, fire safety officer, station officer, divisional officer, emergency services manager, officer in SANDF
	Food Technology (E)	20 360	Ar	4	4	4																				Food technologist, quality controller, researcher, developer of new products, opportunities in food processing, canning, meat or fish factories, food quality and hygiene
	Game Ranch Management	21 990	Pr	4	4	3	4																			Game-farm or ranch manager, advisor, professional hunter, ranch planner, game captivist
	Geology	28 530	Ar	4	4	4																				Engineering geologist, geological technician or technologist, hydro-geological consultant, mining companies, Department of Minerals and Energy, Department of Water Affairs and Forestry
	Horticulture	22 990	Pr	4	4	3	4																			Horticulturist, work in the wholesale trade (production), retail trade (sales), researcher, grounds superintendent, greenkeeper, manufacturing/sales
	Landscape Technology	22 870	Pr	4	4	3	4																			Landscape design and construction, consultant in private and public sector, entrepreneur
	Medical Orthotics and Prosthetics*	15 690	Pr	4	4	3	4																			Medical orthotist or prosthetist, own practice, medical representative (orthopaedic rehabilitation by assessing, measuring, designing, manufacturing, maintaining and fitting orthoses and prostheses)
	Nature Conservation	23 580	Pr	4	4	3	4																			Conservation manager, conservation researcher, environmental educationist, eco-destination planners, guides, nature conservator, hunting operator
	Nursing Science (E) (B Tech 4 years)	24 180	Pr	4	4	3	4																			Practice as nurse and midwife in public and private health care facilities or as private nurse practitioner.
	Officiating and Coaching Science	15 630	Pr	3	3	3	4																			Technical sport assistant, gymnasium manager and instructor, sports technician, specific sports coaching, sport-technological practitioner, fitness specialist, official umpire, official linesman, coach
	Pharmacy (B Pharm 4 years)	71 390	BPharm	4	4	4																				Pharmacist
	Radiography: Diagnostic *	19 530	Ar	4	4	3																				Radiographer, radiation control officer and medical and pharmaceutical representative
Somatology (Beauty Technology)	33 770	Ar	3	3	3	4																			Health and skin care professional as a somatologist, aromatherapist, reflexologist, stress-relief and relaxation therapist at health spa or stress clinic, representative of cosmetic firm or own business	
Sport and Exercise Technology	15 700	Pr	3	3	3	4																			Technical sport assistant, gymnasium manager/instructor, sports technician, specific sports coaching, sport-technological practitioner, fitness specialist, sports coach, sports researcher	
Biokinetics (fourth year)		Ar	3	3	3	4																			Biokineticist, medical physicist, physical education teacher and biophysicist	
Veterinary Technology	23 520	Ar	4	4	3																				Veterinary technologist (activities include the collection and processing of samples, diagnostic work and research and vaccine production)	

(E) Extended programme (four years National Diploma)

Level 3 (40 - 49%) Level 4 (50-59%) Compulsory subject

○ Recommended subject, Preferably level 3 or more

* Limited student number intake

Check if you meet the requirements for consideration for admission into your course/s of choice online before you apply. To use this facility, please visit www.tut.ac.za and click on Enrolment, then **NEW – Admission Point Score System (APS)**.

Campus/Learning site	
Ar	Arcadia
Arts	Arts
E	eMalahleni (Witbank)
G	Ga-Rankuwa
M	Mbombela (Nelspruit)
P	Polokwane
S	Soshanguve
Pr	Pretoria
Med	Medunsa

TUT Contact details:

012 382 5533/4 OR 086 110 2421

general@tut.ac.za

www.tut.ac.za

www.gostudy.mobi

SMS the word TUT, your name, course and address and e-mail address to 41478

All information in this publication is subject to change. E&OE. Printed January 2013



Tshwane University of Technology
We empower People

Grades Companion

Live your life. Create your destiny.



2013

The Career Plan

Making a career decision should not be taken lightly. There are several aspects that need to be taken into account. The following steps form part of a comprehensive career plan.

- Step 1: Identify your interests**
- Step 2: Know your personality**
- Step 3: Know your aptitude**
- Step 4: Know your values and needs**
- Step 5: Career Research**
- Step 6: Making the decision**

TUT Information

As a dynamic university of technology, the Tshwane University of Technology will provide you with unlimited opportunities for professional and personal development, while equipping you with skills and knowledge to live your life to the fullest and to create your own destiny. Academically, TUT is divided into seven faculties (the seat of each faculty is indicated in brackets):

Faculties and learning sites

- Faculty of Economics and Finance (Ga-Rankuwa Campus)
- Faculty of Engineering and the Built Environment (Pretoria Campus)
- Faculty of Humanities (Soshanguve Campus)
- Faculty of Information and Communication Technology (ICT) (Soshanguve Campus)
- Faculty of Management Sciences (Pretoria Campus)
- Faculty of Science – Incorporating Natural Sciences, Health Sciences and Agriculture (Arcadia Campus, Pretoria CBD)
- Faculty of the Arts (Arts Campus, Pretoria CBD)

Hierarchy of qualifications

The basic qualifications the institution confers are the National Diploma (N Dip) and the Bachelor's Degree in Technology (B Tech). Possibilities for further studies are the Master's Degree in Technology (M Tech) and the Doctorate in Technology (D Tech).

Career Counselling and Study Guidance

The Directorate of Student Development and Support offers a comprehensive Career Counselling service.

This service is available to all who would like to make an informed decision when choosing a course to study or a career. The course and careers recommendations are not restricted to the Tshwane University of Technology only, but are directed at addressing the needs of the individual.

- The following specialised services are available to all prospective students:
- Career counselling interviews** for basic information and the verification

Different exit levels exist.

- D TECH DEGREE 7 years
- M TECH DEGREE 5 years
- B TECH DEGREE 4 years
- NATIONAL DIPLOMA 3 years
- NATIONAL HIGHER CERTIFICATE NATIONAL CERTIFICATE 1 year

Minimum admission requirements

TUT admission requirements for entry-level programmes adhere to national legislation and therefore the following are required:

- Bed degrees at least four subjects at a performance level 4.**
- Adequate achievement 50 – 59%.**
- National Diplomas: at least four subjects at performance level 3. (Moderate achievement 40 – 49%).**

- Acceptance is subject to available Enrolment Plan (SEP).**

Please verify specific and additional requirements per programme. No person may be registered as a student in a programme/course of TUT unless he or she complies with the following:

General admission requirements for TUT

- a) A pass mark in English** at Senior Certificate level (minimum additional languages; certain programmes/courses may require first or home language status).

of study and career options as well as basic career planning (available at all learning sites at no cost).

- Full psychometric assessment, detailed feedback with recommendations on suitable study and career options and a comprehensive written report. This process is recommended to prospective students who are uncertain about their abilities, interests, personality and appropriate career options (available at specific learning sites; costs involved).

Please phone the applicable number for further information and to make arrangements:

- eMalahleni (Witbank): 013 653 3109/10

b) Each programme/course has its own specific admission requirements.

c) Prospective students should note that the admission requirements of individual programmes/courses could change from year to year. Prospective students will not be admitted to any qualification without prior evaluation.

d) For some programmes/courses, students will be required to write an admission test, which will determine whether they will be admitted to the programme/course, or whether it will be recommended to them that they enrol for a relevant **Extended Curriculum Programme (E)** with Foundation Provision.

Mathematics or Mathematical Literacy?

All learners are required to take one of the two subjects for NSCG purposes. **TUT position: Mathematics** is relevant to programmes/courses that require a **prior knowledge of Mathematics**.

- It is **compulsory** for the faculties of Science, Engineering and the Built Environment and Information and Communication Technology (ICT)
- Mathematical Literacy** is optional for the faculties of The Arts and Humanities.

- The following faculties require **either one of the two: Management Sciences and Economics and Finance.**

How to apply

Prospective students are required to complete an Application for Admission form and submit it to the Tshwane University of Technology, Private Bag X 680, PRETORIA 0001.

- A **fully completed** application form and **certified copies** of your identity document and **Grade 11 results** and/or highest academic results, as well as the **administration fee**, must reach the institution before the specified closing dates.

The application form can be downloaded from the website.

<http://www.tut.ac.za/Students/enrol/apply/Pages/default.aspx>

Online application is also available on quick links on the web page.

Closing dates for 2013

- for programmes that **start in the following year**
- 15 June:** Nature Conservation, Radiography, Dental Assisting and Dental Technology.
- 15 June:** All international students
- 15 August:** All other programmes/courses.