



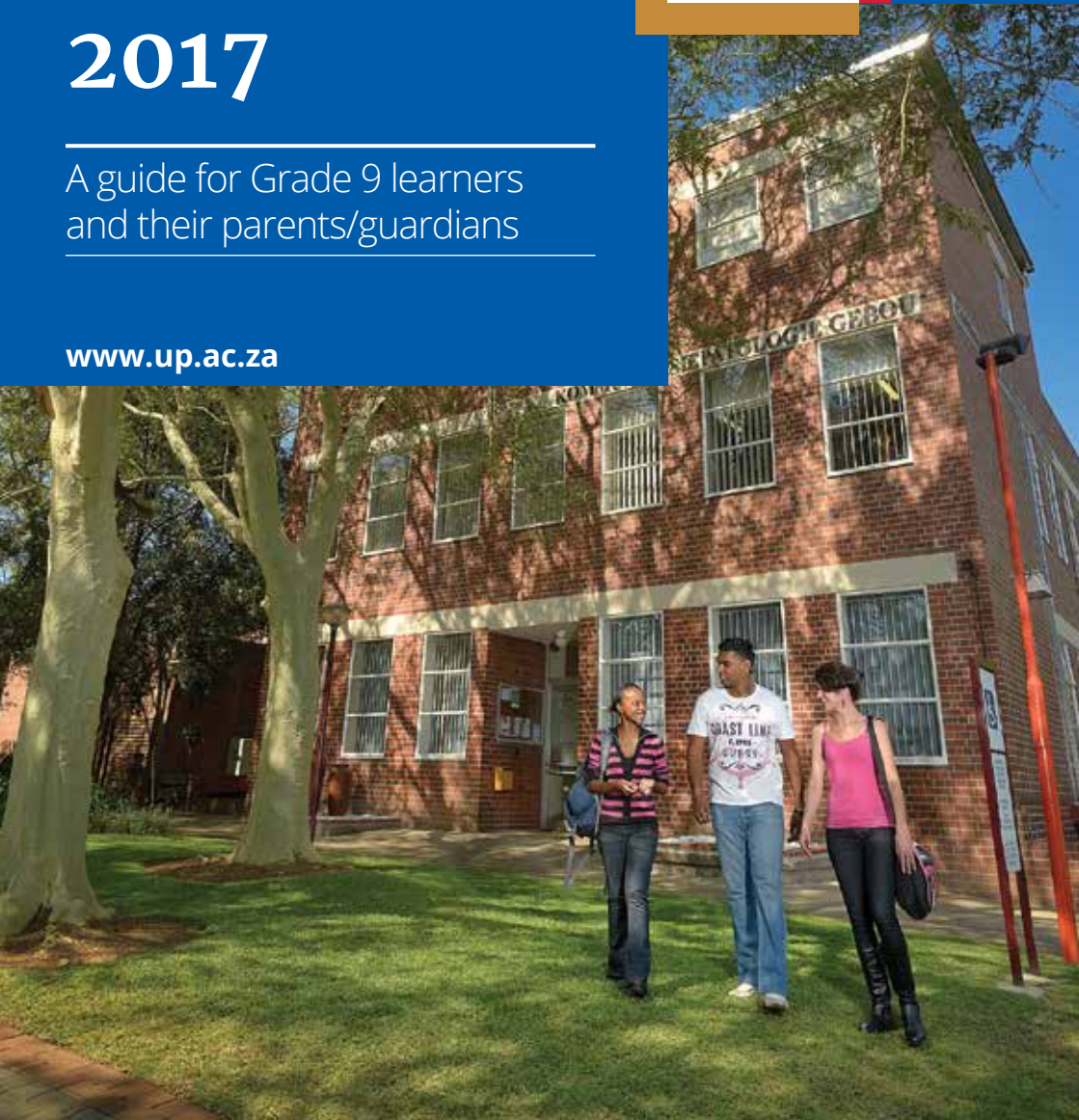
Grade 10 Subject choices 2017

A guide for Grade 9 learners
and their parents/guardians

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UNIVERSITEIT VAN PRETORIA
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Responsible Grade 10 subject choices are important



It is very disappointing when Grade 12 learners and their parents realise that the subjects the learners have chosen do not allow them to apply for their preferred study field at university. It can even happen that they have chosen the correct subjects, but they do not meet the minimum admission requirements.

Two reasons for high dropout rates are the following:

- (a) Learners choose the wrong programme.
- (b) Learners do not ensure that their Grade 10 subject choices align with their preferred programme.

In an effort to bridge the gap, this brochure enables Grade 9 learners to make sound subject choices in Grade 10 that will

offer them access to an array of programmes. Learners have a crucial responsibility in this regard, because uninformed subject choice decisions may negatively affect their future career planning. Learners need not panic, they can plan and consider options with their parents and educators to determine which exciting career they would like to pursue and what subjects they will need to take in Grade 10 to make that dream possible.

This brochure is a unique, **step-by-step guide** that explains alternative career choices to learners. It will enable them to make sensible subject choices.

Steps to follow

Step 01

Gather information on possible career opportunities

This is often the most difficult step and the one that causes parents and learners to become despondent, especially if learners simply do not know what career they would like to follow one day. However, the aim with this step should not be,

in the first place, to decide on a specific career, but rather on a broad field of career interest, eg health sciences, social sciences, natural sciences, engineering, etc.

It is therefore necessary for learners themselves to collect as much information as possible on such possible fields of interest that match their own areas of interest and personalities. Parents can play an important role in this process and can be of great help because they know more about the demands made by specific careers. It is important that learners should be supported and guided with advice to enable them eventually to make their OWN choices as far as possible. In this way, the self-image of learners will develop and they will take ownership of their decisions. Several sources are available where more information on fields of career interest may be obtained. One such source to be recommended is the website of PACE Careers. Learners may follow the following steps:

- Go to www.pacecareers.com.
- Click on "Services".
- Scroll down and click on "Get career guidance" and then on "Start questionnaire".
- Register to complete the questionnaire. It consists of 105 simple statements to which the learner only has to answer "Yes" or "No".
- When the last question is answered, a profile of the learner's fields of career interests is shown, with a clear indication of the fields of career interest that are the strongest.
- Next to every field of interest, there is a link on which a learner should click, that will give a list of all possible careers within the field of interest concerned.
- By clicking on a specific career, the learner then obtains detailed information in connection with that career, including a summary of what the career entails, subjects required and also programmes relating to each career.
- It is further suggested that learners take time to do job shadowing. In this way learners can experience the real working environment, which is a crucial aspect when a decision about a specific career should be made.



Step 02

Take note of the structure of the National Senior Certificate (NSC) and the Independent Examination Board (IEB) Certificate

Grade 9 learners are required to include at least SEVEN subjects in their subject package for Grade 10:

Four compulsory subjects:

- Home Language
- First Additional Language
- Mathematics or Mathematical Literacy
- Life Orientation

Three other optional subjects from a list of the recognised NSC 20 credit subjects offered by the school concerned

A list of the school subjects from which a learner may choose will be made available by the school. The range of subjects offered will be determined by the available resources and equipment at individual schools.

Step 03

Make sure you are aware of the admission requirements for studies at a tertiary institution

Examples of tertiary institutions include universities, universities of technology, colleges for further education and training (FET colleges) and private colleges. Prospective students will have to comply with two sets of admission requirements based on their Grade 11 and/or Grade 12 results in order to study at a tertiary institution:

Admission requirements of the Department of Education

The statutory minimum requirements for degree studies is a National Senior Certificate (NSC) or an Independent Examination Board (IEB) Certificate with a minimum achievement level of 4 (50%–59%) in four recognised NSC 20-credit subjects from the designated list below:

- Accounting
- Agriculture Science
- Business Studies
- Consumer Studies
- Dramatic Arts
- Economics
- Engineering Graphics and Design
- Geography
- History
- Information Technology
- Languages*
- Life Sciences
- Mathematical Literacy

- Mathematics
- Music
- Physical Science
- Religion Studies
- Visual Arts

*In formal education at the University of Pretoria, the language of tuition is English or Afrikaans, or both of these languages, provided that there is a demand and that it is academically and economically justifiable. It is advisable for students to have English and/or Afrikaans as Home Language or as First Additional Language. UP's language policy is currently under revision.

Admission requirements of the different tertiary institutions

These admission requirements include faculty-specific admission requirements. Please note that the different tertiary institutions will have different admission requirements. For the admission requirements prescribed by the University of Pretoria, visit www.up.ac.za/admissioninfo.

Step 04

Take an important decision between Mathematics and Mathematical Literacy

Not all learners have a love for Mathematics and not all learners have the same aptitude to master this subject equally well. Learners who do not like Mathematics and do not do well in this subject are unlikely to choose a field of study or career where Mathematics is a prerequisite. However, it is a reality that Mathematics is a compulsory subject for a number of programmes at tertiary level and that learners who do not take Mathematics, will therefore not be able to be considered for such programmes.

Learners usually find it easier to master the content of Mathematical Literacy than the content of Mathematics since Mathematical Literacy is aimed more at the practical application of mathematical principles and concepts in everyday life, eg calculating areas, volumes and circumferences, calculating profit and loss, drawing up a budget, etc.

Remember that for a learner, a pass mark in Mathematical Literacy is better than a failing mark in Mathematics. This should also be the point of departure when the learner, together with his or her parents, has to decide between these two subjects. Learners and parents are strongly advised to consider the recommendation by the school and the Mathematics teacher in this regard when making this decision.

Please also note that it is most definitely not the end of the study or career path for a learner who does not take Mathematics. **There are many fields of study available for learners taking Mathematical Literacy as a subject, and these are clearly indicated in the faculty tables in this brochure.** In addition, it is a fact that these learners may become just as successful in their subsequent careers as their colleagues who took Mathematics as a subject.

Decide now on a safe choice of subjects for Grade 10

The structure of the NSC and the IEB Certificate referred to in Step 2 allows Grade 10 learners, apart from the critical and compulsory subjects, to also take elective subjects that the learners enjoy and in which they can perform well to enhance their average marks. Apart from good performances in the subjects required for specific programmes, the average percentage achieved by learners for all their subjects taken together is very important with a view to eventually being admitted to a programme at a tertiary institution.

The faculty tables from page 6 reflect all the undergraduate programmes offered by the University of Pretoria and also show the required NSC/IEB subjects from which learners will have to choose in Grade 10 in order to be considered for the programmes. These tables also include hints on other appropriate subjects to complete the subject package of seven subjects. Please note that subjects may be indicated that are not necessarily offered at all schools. Some schools may also offer recognised NSC 20-credit subjects that do not feature in these tables, and these subjects may be taken as electives.

Step 05

Step 06

Become a JuniorTukkie

The JuniorTukkie programme of the Department of Enrolment and Student Administration at the University of Pretoria has been established to assist learners in Grades 9, 10, 11 and 12 to make responsible study and career choices. The JuniorTukkie initiative also develops important skills to better equip learners for the challenges they may face as a student in their personal capacity, as well as professionally. The JuniorTukkie programme provides, among others, a wide variety of services to learners and students, such as first-hand information on study and career options, leadership, life skills and study skills development, as well as engagement in community projects and many more. Learners with a minimum academic average of 70% may apply for membership of the JuniorTukkie Club. Membership of the JuniorTukkie Club is free of charge.

Just look at all the benefits JuniorTukkies may enjoy:

- Receive two online editions every year of the JuniorTukkie magazine crammed with campus information and information on the various faculties and programmes we offer.
- Access to our JuniorTukkie website, where, among other things, study guides for a number of school subjects may be downloaded.
- Access to useful examination hints.
- Personal invitations to events and functions offered by the University of Pretoria.
- Direct access to the JuniorTukkie Office to assist you with enquiries.
- Assistance to ensure your application process runs smoothly when you apply in your Grade 12 year for admission to study at the University of Pretoria.
- Access to the JuniorTukkie Summer and Winter schools.
- Access to e-learning enrichment programmes in Mathematics and Physical Science.
- Access to the LectorSA reading development programme.
- Access to the JuniorTukkie App.



Faculty of Economic and Management Sciences

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BCom (Investment Management) ▪ BCom (Accounting Sciences) ▪ BCom (Financial Sciences) ▪ BCom (Law) ▪ BCom (Econometrics) ▪ BCom (Economics) ▪ BCom (Informatics) ▪ BCom (Statistics) ▪ BCom ▪ BCom (Agribusiness Management) ▪ BCom (Marketing Management) ▪ BCom (Entrepreneurship) ▪ BCom (Human Resource Management) ▪ BCom (Business Management) ▪ BCom (Recreation and Sports Management) ▪ BCom (Supply Chain Management) 	<ul style="list-style-type: none"> ▪ TWO languages of which English should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Accounting ▪ Agricultural Science ▪ Business Studies ▪ Economics ▪ Geography ▪ History ▪ Information Technology ▪ Tourism ▪ Computer Application Technology ▪ A third language
<ul style="list-style-type: none"> ▪ BAdmin (International Relations) ▪ BAdmin (Public Management) 	<ul style="list-style-type: none"> ▪ TWO languages of which English should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Accounting ▪ Agricultural Science ▪ Business Studies ▪ Economics ▪ Geography ▪ History ▪ Information Technology ▪ Tourism ▪ Computer Application Technology ▪ A third language

Faculty of Education

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BEd (Foundation Phase Teaching) – Pre-primary to Grade 3 ▪ BEd (Intermediate Phase Teaching) – Grades 4 to 6 ▪ BEd (Senior Phase and Further Education and Training Teaching) – Grades 7 to 12 (General option) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Accounting ▪ Business Studies ▪ Economics ▪ Tourism ▪ Computer Application Technology ▪ Information Technology ▪ Agricultural Science ▪ Dramatic Arts ▪ Engineering Graphics and Design ▪ Geography ▪ History ▪ Music ▪ Religion Studies ▪ Visual Arts ▪ Hospitality Studies ▪ Consumer Studies ▪ A third language

Faculty of Education		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BEd (Senior Phase and Further Education and Training Teaching) – Grades 7 to 12 (Natural sciences option). 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Physical Science ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Life Sciences ▪ Computer Application Technology ▪ Information Technology ▪ Geography ▪ A third language
<ul style="list-style-type: none"> ▪ BEd (Senior Phase and Further Education and Training Teaching) – Grades 7 to 12 (Economic and management sciences option). 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Accounting ▪ Business Studies ▪ Economics ▪ Tourism ▪ Computer Application Technology ▪ Information Technology ▪ Hospitality Studies ▪ A third language

Faculty of Engineering, Built Environment and Information Technology

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BEng (Industrial Engineering) ▪ BEng (Chemical Engineering) ▪ BEng (Electrical Engineering) ▪ BEng (Electronic Engineering) ▪ BEng (Mechanical Engineering) ▪ BEng (Metallurgical Engineering) ▪ BEng (Mining Engineering) ▪ BEng (Computer Engineering) ▪ BEng (Civil Engineering) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Physical Science ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Accounting ▪ Engineering Graphics and Design ▪ Computer Application Technology ▪ Information Technology ▪ Economics ▪ History ▪ Life Sciences ▪ Civil Technology ▪ Mechanical Technology ▪ A third language <p>Additional to the subject package, learners are encouraged to also take Additional Mathematics.</p>



Faculty of Engineering, Built Environment and Information Technology		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BSc (Architecture) ▪ BSc (Interior Architecture) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Physical Science ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Engineering Graphics and Design ▪ Computer Application Technology ▪ Economics ▪ Accounting ▪ Geography ▪ History ▪ Visual Arts ▪ A third language
<ul style="list-style-type: none"> ▪ BSc (Landscape Architecture) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Physical Science or Geography or Life Sciences ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Engineering Graphics and Design ▪ Computer Application Technology ▪ Economics ▪ Accounting ▪ Physical Science ▪ Life Sciences ▪ Geography ▪ History ▪ Visual Arts ▪ A third language
<ul style="list-style-type: none"> ▪ BSc (Construction Management) ▪ BSc (Real Estate) ▪ BSc (Quantity Surveying) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Physical Science or Accounting ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Geography ▪ Engineering Graphics and Design ▪ Computer Application Technology ▪ Economics ▪ Accounting ▪ Physical Science ▪ History ▪ Visual Arts ▪ Civil Technology ▪ A third language
<ul style="list-style-type: none"> ▪ BTRP – Bachelor of Town and Regional Planning 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Engineering Graphics and Design ▪ Computer Application Technology ▪ Economics ▪ Accounting ▪ Geography ▪ History ▪ Visual Arts ▪ A third language

Faculty of Engineering, Built Environment and Information Technology		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BIT – Bachelor of Information Technology ▪ BSc (Computer Science) ▪ BIS (Multimedia) ▪ BSc (Information and Knowledge Systems) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Computer Application Technology ▪ Information Technology ▪ Economics ▪ Business Studies ▪ Accounting ▪ A third language
<ul style="list-style-type: none"> ▪ BIS (Information Science) ▪ BIS (Publishing) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Computer Application Technology ▪ Information Technology ▪ Economics ▪ Business Studies ▪ Accounting ▪ A third language

Faculty of Health Sciences		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ MBChB – Bachelor of Medicine and Surgery ▪ BChD – Bachelor of Dental Surgery ▪ BOT – Bachelor of Occupational Therapy ▪ BPhysio – Bachelor of Physiotherapy ▪ BRad – Bachelor of Radiography ▪ BDietetics – Bachelor of Dietetics ▪ BOH – Bachelor of Oral Hygiene ▪ BSportSci – Bachelor of Sports Science 	<ul style="list-style-type: none"> ▪ TWO languages of which English should be one on Home Language level or First Additional Language level ▪ Mathematics ▪ Physical Science (or Life Sciences only for BSportSci) ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Life Sciences ▪ Accounting ▪ Computer Application Technology ▪ A third language
<ul style="list-style-type: none"> ▪ BNurs – Bachelor of Nursing Science 	<ul style="list-style-type: none"> ▪ TWO languages of which English should be one on Home Language level or First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Life Sciences ▪ Accounting ▪ Computer Application Technology ▪ A third language
<ul style="list-style-type: none"> ▪ BCMP – Bachelor of Clinical Medical Practice 	<ul style="list-style-type: none"> ▪ TWO languages of which English should be one on Home Language level or First Additional Language level ▪ Mathematics ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Life Sciences ▪ Accounting ▪ Computer Application Technology ▪ Physical Science ▪ A third language

Faculty of Health Sciences

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
Higher Certificate in Sports Science: HCert (Sports Science) <ul style="list-style-type: none"> ▪ Sports Coaching ▪ Education 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	Please note that any THREE other recognised NSC 20 credit subjects must be included. HINT: Examples of popular school subjects that may be considered for these programmes: <ul style="list-style-type: none"> ▪ Life Sciences ▪ Accounting ▪ Computer Application Technology ▪ Physical Science ▪ A third language

Faculty of Humanities

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BA (Audiology) ▪ BA (Speech-Language Pathology) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Life Orientation 	Please note that any THREE other recognised NSC 20 credit subjects must be included. HINT: Examples of popular school subjects that may be considered for these programmes: <ul style="list-style-type: none"> ▪ Accounting ▪ Computer Application Technology ▪ Music ▪ A third language
<ul style="list-style-type: none"> ▪ BSW – Bachelor of Social Work ▪ BA ▪ BA (Law) ▪ BA (Languages) ▪ BPolSci (International Studies) ▪ BPolSci (Political Studies) ▪ BSocSci (Industrial Sociology and Labour Studies) ▪ BSocSci (Heritage and Cultural Tourism) ▪ BA (Fine Arts) ▪ BA (Information Design) ▪ BA (Visual Studies) ▪ BDram – Bachelor of Drama ▪ BMus 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	Please note that any THREE other recognised NSC 20 credit subjects must be included. HINT: Examples of popular school subjects that may be considered for these programmes: <ul style="list-style-type: none"> ▪ Life Sciences ▪ Accounting ▪ Computer Application Technology ▪ Tourism ▪ Dramatic Arts ▪ Visual Arts ▪ Music ▪ A third language
<ul style="list-style-type: none"> ▪ BSocSci (Philosophy, Politics and Economics) [PPE] 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Life Orientation 	Please note that any THREE other recognised NSC 20 credit subjects must be included. HINT: Examples of popular school subjects that may be considered for these programmes: <ul style="list-style-type: none"> ▪ Accounting ▪ Computer Application Technology ▪ History ▪ Business Studies ▪ Economics ▪ Information Technology ▪ Religion Studies ▪ A third language

Faculty of Law

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ LLB 	<ul style="list-style-type: none"> ▪ TWO languages of which English should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics or Mathematical Literacy ▪ Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> ▪ Accounting ▪ Computer Application Technology ▪ Dramatic Arts ▪ History ▪ Business Studies ▪ Economic ▪ A third language

Faculty of Natural and Agricultural Sciences

Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> ▪ BSc (Biochemistry) ▪ BSc (Biological Sciences) ▪ BSc (Biotechnology) ▪ BSc (Ecology) ▪ BSc (Zoology) ▪ BSc (Entomology) ▪ BSc (Genetics) ▪ BSc (Human Genetics) ▪ BSc (Human Physiology) ▪ BSc (Human Physiology, Genetics and Psychology) ▪ BSc (Medical Sciences) ▪ BSc (Microbiology) ▪ BSc (Plant Science) ▪ BSc (Chemistry) ▪ BSc (Physics) ▪ BSc (Geography) ▪ BSc (Geoinformatics) ▪ BSc (Geology) ▪ BSc (Meteorology) ▪ BSc (Environmental Sciences) ▪ BSc (Environmental and Engineering Geology) ▪ BSc (Culinary Science) ▪ BSc (Food Science) ▪ BSc (Nutrition) ▪ BScAgric (Agricultural Economics and Agribusiness Management) ▪ BScAgric (Animal Science) ▪ BScAgric (Animal Science and Pasture Science) ▪ BScAgric (Plant Pathology) ▪ BScAgric (Applied Plant and Soil Sciences) 	<ul style="list-style-type: none"> ▪ TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level ▪ Mathematics ▪ Physical Science ▪ Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> ▪ Computer Application Technology ▪ Geography ▪ Life Sciences ▪ Agricultural Science ▪ Economics ▪ Business Studies ▪ Accounting ▪ Engineering Graphics and Design ▪ Consumer Studies ▪ Hospitality Studies ▪ A third language



Faculty of Natural and Agricultural Sciences		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> BSc (Actuarial and Financial Mathematics) BSc (Mathematics) BSc (Applied Mathematics) BSc (Mathematical Statistics) 	<ul style="list-style-type: none"> TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level Mathematics Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> Information Technology* Physical Science* Computer Application Technology Life Sciences Economics Business Studies Accounting A third language <p>*Especially important for studies in actuarial sciences. Alpha or Additional Mathematics is also recommended although it is not offered at all schools.</p>
<ul style="list-style-type: none"> BConSci (Clothing Retail Management) BConSci (Food Retail Management) BConSci (Hospitality Management) 	<ul style="list-style-type: none"> TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level Mathematics Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> Computer Application Technology Physical Science Life Sciences Consumer Studies Hospitality Studies Economics Business Studies Accounting A third language

Faculty of Theology		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> BDiv – Bachelor of Divinity (for admission to MDiv studies) BTh – Bachelor of Theology DipTh – Diploma in Theology 	<ul style="list-style-type: none"> TWO languages of which English or Afrikaans should be one and of which at least one should be on Home Language level and the other on First Additional Language level Mathematics or Mathematical Literacy Life Orientation 	<p>Please note that any THREE other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for these programmes:</p> <ul style="list-style-type: none"> Accounting Computer Application Technology Music Dramatic Arts History Religion Studies A third language



Faculty of Veterinary Science		
Programme	Required subjects that have to be included in the NSC/IEB Grade 10 subject package	Other subjects that may be included in the NSC/IEB Grade 10 subject package
<ul style="list-style-type: none"> BVSc – Bachelor of Veterinary Science 	<ul style="list-style-type: none"> TWO languages of which English should be one on Home Language level or First Additional Language level Mathematics Physical Science Life Orientation 	<p>Please note that any TWO other recognised NSC 20 credit subjects must be included.</p> <p>HINT: Examples of popular school subjects that may be considered for this programme:</p> <ul style="list-style-type: none"> Accounting Computer Application Technology Economics Geography Life Sciences Agricultural Science A third language
<ul style="list-style-type: none"> Diploma in Veterinary Nursing 	<ul style="list-style-type: none"> TWO languages of which English should be one on Home Language level or First Additional Language level Mathematics Physical Science Life Sciences Life Orientation 	<p>Please note that any ONE other recognised NSC 20 credit subject must be included.</p> <p>HINT: Examples of popular school subjects which may be considered for this programme:</p> <ul style="list-style-type: none"> Accounting Computer Application Technology Geography Agricultural Science A third language

University of Pretoria contact information

Learners and parents are most welcome to contact the Department of Enrolment and Student Administration at the University for any enquiries and advice.

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