University of Pretoria Yearbook 2023

Bachelor of Radiography in Diagnostics [BRad in Diagnostics] (10137100)

Department	Radiography
Minimum duration of study	4 years
Total credits	500
NQF level	08

Programme information

The programme extends over four years' full-time study.

The programme has both an academic and compulsory clinical (work integrated learning) component, with students having to complete specified clinical outcomes for the course in an HPCSA accredited facility. Students must comply with the stipulations of the Health Professions Council of South Africa concerning the required clinical outcomes and as determined by the Department of Radiography.

All students are required to complete specified clinical outcomes in HPCSA accredited training facilities for each year of study. Students are subject to the rules and regulations of the selected facility in which they are placed for the clinical component of the course, whether in public and/or private health sectors.

Admission requirements

Important information for all prospective students for 2023

The admission requirements apply to students who apply for admission to the University of Pretoria with a **National Senior Certificate (NSC) and Independent Examination Board (IEB) qualifications.**

University of Pretoria website click here

Minimum requirements Achievement level English Home Language or English First Additional Language	**Mathematics**	**Physical Sciences**	**APS**
NSC/IEB	NSC/IEB	NSC/IEB	
4	4	4	**30**

For advice on a second-choice programme, please consult a Student Advisor. To make an appointment, send an email to carol.bosch@up.ac.za.

Applicants with qualifications other than the abovementioned should refer to the Brochure**:** Undergraduate Programme Information 2023: Qualifications other than the NSC and IEB, available at click here.

International Students: Click here

Important faculty-specific information on undergraduate programmes for 2023

The closing date for all **selection programmes** is **30 June 2022**. Applicants are strongly advised and encouraged to submit their applications as soon as possible after **1 April 2022** and to check the application site (UP Student Portal) regularly.

- The following persons will be considered for admission: a candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required National Senior Certificate (NSC) with university endorsement; a candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution; a candidate who is a graduate of another Faculty at the University of Pretoria; and a candidate who is currently studying at a university.
- Admission to Health Sciences programmes is subject to a selection process.
- Grade 11 final examination results will be used for the conditional selection of prospective students.
- For selection purposes, the sum of the results in six subjects, including English, Mathematics and Physical Sciences, is calculated.
- Life Orientation is excluded in the calculation of the Admission Point Score (APS).
- All modules will be presented in English, as English is the language of tuition, communication and correspondence.
- Places are reserved in specific categories to ensure an equitable representation of demographically defined designated groups. Selection thus takes place in different categories.
- For purposes of selection in the Faculty of Health Sciences, the “Designated Group” category includes South African Black African or South African Coloured African candidates. The “Open” category refers to all applicants including applicants from the Designated Group who compete first in the Open category and then in the Designated Group category if unsuccessful in the Open category.
- Target numbers are specified for all categories as applicable to each programme. Where insufficient applications are received from qualifying applicants in a certain category, the selection committee may decide not to fill all places or to fill the places from qualifying applicants in another category.
- A limited number of places are made available to citizens from countries other than South Africa (applicants who are not South African citizens), with those from SADC countries being given preference. Permanent residents of RSA are not categorised as foreign students. Applications from citizens from countries other than South Africa (applicants who are not South African citizens) may also be considered if they are
  - citizens or permanent residents of countries which have relevant government to government agreements with South Africa
  - asylum seekers or refugees
- Citizens from countries other than South Africa (applicants who are not South African citizens) who do not comply with the conditions above may be considered if space is available.
- If an applicant has multiple citizenships, which includes South African citizenship, he/she will be considered as a South African applicant.
- The final number of places allocated to new applicants will be determined on an annual basis taking into account the teaching facilities and resources available and, where necessary, the number of places allocated to students repeating modules in the first year of study of each degree programme.
- Only applicants who comply with the requirements set out in this document will be considered for selection.

However, the achievement of the minimum requirements does not guarantee admission as only a limited number of students can be accommodated.

- Selection is based on merit. The faculty does not determine specific selection cut-off values for the different categories. Such values are generated by the competing students within a particular category in relation to the number of places available.
- A Merit Point Score (MPS) is used for ranking applicants for selection purposes in all programmes. In certain programmes other criteria such as rural residence may be used as part of the selection process.
- Only first-choice applicants will be considered, except where otherwise specified, in which case second-choice candidates may be considered if there are places available.
- The top candidates will be selected provisionally up to or surpassing the allocated number, based on experience of the expected number of acceptances. A waiting list is created from the group of candidates with the next highest scores. The length of the waiting list is determined by experience of the number of places likely to become available and to prevent creating unrealistic expectations.
- All offers are provisional until the final exam results have been received. For applicants in the School leaver categories a provisional place will be confirmed as long as the NSC or equivalent scores do not fall by more than two points from the Grade 11 APS score.
- After the final NSC or equivalent qualification results are received, provisional offers will be confirmed if the applicant still meets the required criteria. The MPS of those on the waiting list will be recalculated using the NSC or equivalent qualification results and if places become available they will be made offers.
- Places becoming available in any category after selection due to cancellation or forfeiture will be filled from the waiting list for the specific category.
- This waiting list will remain active until the end of the second week after the start of lectures.
- All successful candidates are admitted to the first year of study only. Registered students in the University Experienced categories may apply for credit for equivalent modules which they have completed.
- Incomplete applications will not be considered and any false information provided by an applicant in his/her application may result in immediate cancellation of the application, admission or registration.
- **Candidates should note that their conditional admission will be revoked if their APS drops by more than two points in their final school examination results.**
- PLEASE NOTE that compliance with the minimum admission requirements does not guarantee admission to any programme in this Faculty.
- Selection queries may be directed to click here.
- A student who is made an offer but does not accept it cannot defer the offer and must reapply to be considered in the following year.

Transferring students

A transferring student is a student who, at the time of applying at the University of Pretoria (UP) is/was a registered student at another tertiary institution. A transferring student will be considered for admission based on NSC or equivalent qualification and previous academic performance. Students who have been dismissed from other institutions due to poor academic performance will not be considered for admission to UP.

Closing dates: Same as above

Returning students

A returning student is a student who, at the time of application for a degree programme is/was a registered student at UP, and wants to transfer to another degree at UP. A returning student will be considered for admission based on NSC or equivalent qualification and previous academic performance.

- Students who have been excluded/dismissed from a faculty due to poor academic performance may be considered for admission to another programme at UP, as per faculty-specific requirements.
- Only ONE transfer between UP faculties and TWO transfers within a faculty will be allowed.
- Admission of returning students will always depend on the faculty concerned and the availability of space in the programmes for which they apply.

Closing date for applications from returning students is the same as the above

Additional requirements

Please note:
Each student in BRad in Diagnostics must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in BRad in Diagnostics immediately after admission to the first year of study.

Examinations and pass requirements

Consult the general pass requirements of the School of Healthcare Sciences, for the calculation of the final mark in a module, the continuous assessment mark, obtaining a pass mark in modules with practical and/or clinical components, etc.

Subminimum
A subminimum of 50% is required in the written, as well as the practical/clinical components sections of the examinations in all modules in Radiographic Sciences at 100, 200, and 300 level.

Examinations

- There are two main examination periods per annum. In respect of first-semester modules, the standard examination is in May/June and the supplementary examination is in October/ November and the supplementary examination in November/December of the same year. Where students need to work additional clinical hours to be allowed to do a supplementary examination, the relevant head of department will determine the date of the supplementary examination.
- Only two examination opportunities per module are allowed. If a student fails the supplementary examination, the module must be repeated.
- A supplementary examination in a module is granted to students in the following cases:
  - If a student obtains a final mark of between 40%-49% in the relevant module at the standard examination and thus fails.
  - If a student obtains a final mark of at least 50% but the required subminimum in the examination, as required for a specific module, has not been obtained.
- Students intending to sit the supplementary examination due to the reasons mentioned above, must register for the supplementary examination opportunity 24 hours after the results have been made public.
- If a student fails a module at the standard examination opportunity, the examination mark obtained in the relevant module at the supplementary examination will be calculated as the final mark. The marks obtained with continuous evaluation during the course of the quarter/semester/year will not be taken into calculation. If the student passes the module at the supplementary examination a maximum of 50% is awarded as a pass mark to the module in question.
- A student who is prevented from writing the standard examination due to illness or other qualifying circumstances, may be granted permission by the dean to write a special examination in the particular module(s). If a student is granted permission by the dean to write a special examination, the continuous

evaluation mark, together with the examination mark obtained in the module in question at the special examination, will be calculated as the final mark obtained in the module.
- In instances where students are unable to write the examination and supplementary examination as a consequence of a serious medical condition or an accident, such a student must apply for a special dispensation, with the support of the dean, to the Registrar, who will make a final decision.

Admission to fourth year of study
A student must pass all the modules of the first, second and third year of study in order to be admitted to the fourth year of study

Chancellor's examination: Fourth year of study
A Chancellor's examination for a student who failed the module; Clinical Practice in Diagnostic Radiography IV. He or she must undergo further clinical instruction in specified clinical training areas and obtain at least 50% in the examination.

A student who has not obtained a pass mark in the module Research for healthcare sciences 400 must submit an amended essay at a date determined by the head of department.

Promotion to next study year

Consult the general requirements for promotion to a subsequent year of study under the School of Healthcare Sciences, in this publication. Consult also the general pass requirements of the School of Healthcare Sciences for the calculation of the final marking and module, the continuous assessment mark, etc in the learner guides. All modules with practical and clinical training credits cannot be passed, unless all prescribed clinical hours and practical skills have been completed as per module requirement.

Exemption from the examination in (ANP) Anatomical Pathology 210
Exemption from the examination may be granted if a student who obtained a module mark of at least 65%, exercises the option to accept it as the final mark.

Passing modules in Anatomy and Physiology

i. A **module mark** is calculated from the continuous evaluation opportunities during the course of the presentation of the relevant module. These evaluations will include one or more of the following:

a. Evaluations in connection with theoretical knowledge.
b. Evaluations in connection with practical knowledge and skills.
c. Compulsory attendance at and active participation in prescribed activities.
d. A final comprehensive module test.

ii. Students may exercise the option that the module mark at the end of the semester be ratified as the final module mark for the relevant module (i.e. they are exempted from the module examination for this module), if they comply with the following requirements:

a. The abovementioned module mark is more than 65%.
b. Proven attendance of all applicable module-specific activities, namely:

- All tests/continuous evaluations.
- All practical work and skills development sessions.

c. Attendance of the relevant module from Day 1.
d. No convictions by the School’s Preliminary Disciplinary Committee (Student Transgressions) of any form of transgression.

iii. A **module examination** is granted to all registered students (even if the module mark is more than 65%).
iv. The **final module mark** is calculated from the examination mark and the module mark (continuous evaluation) in the ratio 50:50.
v. A **second module examination** is granted to all students who have obtained a final module mark of 40% to 49%. Students who have obtained a module mark of less than 40%, fail the module and will have to repeat the year of study.
vi. The relevant **second examination** will take place in November/December of the current year or in January of the subsequent year. A minimum of 50% is required to pass in the second examination.
vii. **Aegrotats or extraordinary examinations**, for students who could not sit the module examination due to health or other acceptable reasons, will take place during the second examination period. Students must apply formally for these examinations, and will be admitted by the Chairperson of the School or his/her authorised person. Where applicable, the Chairperson of the School may first require the recommendation of the Faculty Health Committee before admission to an aegrotat.

All modalities of a final examination must be written jointly as a special examination, even if part of the relevant examination had already been written during the previous examination period.

The **final module mark** is calculated from the marks of all the sections/ modalities of the special examination and the continuous evaluation mark. The same criteria as set for a pass mark in a module are applicable here. Students who could not sit the module examination in the examination period due to acceptable reasons, and who are consequently writing the module examination in the supplementary examination period, forfeit the opportunity to be admitted to a further examination.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75% (not rounded) in the final-year modules.

General information

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.

Curriculum: Year 1

Minimum credits: 130

Choose SEP 119 or ZUL 119.

Fundamental modules

Academic information management 111 (AIM 111) - Credits: 4.00
Academic information management 121 (AIM 121) - Credits: 4.00
Academic English for Health Sciences (BNurs, BDietetics, BOH, BOT, BRad and BPhysio) 121 (ELH 121) - Credits: 6.00
Academic English for Health Sciences122 (ELH 122) - Credits: 6.00
Physiology 161 (FSG 161) - Credits: 6.00
Physiology 162 (FSG 162) - Credits: 6.00
Medical terminology 180 (MTL 180) - Credits: 8.00
Radiographic anatomy 100 (RAN 100) - Credits: 20.00
Radiation physics 100 (RPH 100) - Credits: 10.00
Sepedi for beginners 119 (SEP 119) - Credits: 12.00
Academic orientation 110 (UPO 110) - Credits: 0.00
isiZulu for beginners 119 (ZUL 119) - Credits: 12.00

Core modules

Clinical practice in diagnostic radiography 100 (CDR 100) - Credits: 10.00
Diagnostic radiography 100 (DIR 100) - Credits: 15.00
Integrated healthcare leadership 120 (IHL 120) - Credits: 8.00
Diagnostic radiographic science 100 (RSC 100) - Credits: 15.00

Curriculum: Year 2

Minimum credits: 127

Fundamental modules

Anatomical pathology 210 (ANP 210) - Credits: 10.00
Physiology 251 (FSG 251) - Credits: 6.00
Physiology 252 (FSG 252) - Credits: 6.00
Physiology 262 (FSG 262) - Credits: 6.00
Basic emergency care 286 (GNK 286) - Credits: 5.00
Radiographic anatomy 280 (RAN 280) - Credits: 10.00
Radiation physics 200 (RPH 200) - Credits: 20.00

Core modules

Clinical practice in diagnostic radiography 200 (CDR 200) - Credits: 10.00
Diagnostic radiography 200 (DIR 200) - Credits: 22.00
Integrated healthcare leadership 210 (IHL 210) - Credits: 8.00
Introduction to radiation therapy, nuclear medicine and radiobiology 200 (RNR 200) - Credits: 9.00
Diagnostic radiographic science 200 (RSC 200) - Credits: 15.00

Curriculum: Year 3

Minimum credits: 123

Fundamental modules

Anatomical pathology 300 (ANP 300) - Credits: 15.00
Radiographic anatomy 380 (RAN 380) - Credits: 10.00
Research methodology for healthcare sciences 300 (RHC 300) - Credits: 30.00
Radiation physics 300 (RPH 300) - Credits: 10.00

Core modules

Clinical practice in diagnostic radiography 300 (CDR 300) - Credits: 15.00
Diagnostic radiography 300 (DIR 300) - Credits: 20.00
Integrated healthcare leadership 310 (IHL 310) - Credits: 8.00
Diagnostic radiographic science 300 (RSC 300) - Credits: 15.00

Curriculum: Final year

Minimum credits: 120

Fundamental modules

Multimodality imaging 400 (MMI 400) - Credits: 24.00
Research in healthcare sciences 400 (RHC 400) - Credits: 10.00

Core modules

Clinical practice in diagnostic radiography 400 (CDR 400) - Credits: 35.00
Diagnostic radiography 400 (DIR 400) - Credits: 35.00
Management and leadership 400 (RML 400) - Credits: 16.00

Regulations and rules

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.

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