# University of Pretoria Yearbook 2020

# BRad in Diagnostics (10137100)

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|---|---|
| **Minimum duration of study** | 4 years |
| **Total credits** | 502 |
| **NQF level** | 08 |
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## Programme information

The programme extends over four years' full-time study, during which period a student radiographer will be allocated to an institution approved by the Department of Radiography and accredited by the Health Professions Council of South Africa for clinical training in collaboration with the University of Pretoria.

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 as 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

- 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 and the National Benchmark Test (NBT) 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).
- The applications of international candidates who come from countries that have medical schools will not be considered for placement in the MBChB programme, except where intergovernmental agreements are in place.
- **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 (university experience)**

- The applications of students who are studying towards a tertiary qualification or have obtained a tertiary qualification must meet the following requirements regarding school subjects and performance levels: They must be in possession of an NSC for degree studies/full exemption certificate and must have attained a performance level of 5 (or 50% HG if completed prior to 2009) for Mathematics and Physical Sciences (or Life Sciences, if required).
- If the subjects were not passed in Grade 12, the equivalent subjects (Physics, Chemistry and Mathematics) must be completed at the tertiary level. University students do not have to write the National Benchmark Test (NBT) or submit any non-academic performance record or CV. In their case selection is based on the results attained in the qualification(s) previously completed, ie they will be considered on the basis of their results achieved in higher education.
- The completion of only a three-year diploma or certificate is not considered as university experience, but will be considered in the school-leaver category and admission will be based on the applicant's Grade 12 and NBT results.

**Qualifications from countries other than South Africa**

- A limited number of places are made available to citizens from countries other than South Africa, 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 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

**National Benchmark Test (NBT)**

The NBT is compulsory for all school leavers who apply for admission to any programme in the Faculty of Health Sciences.

- Applicants must write the NBT no later than the middle of July.

**University of Pretoria website** click here

**National Benchmark Test website** click here

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

* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. Students in the Cambridge system must offer both Physics AND Chemistry with performance at the level specified for NSC Physical Sciences in the table above.

* International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission. Students in the IB system must offer both Physics AND Chemistry with

performance at the level specified for NSC Physical Sciences in the table above.

## 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.

**A second examination opportunity in a module is granted to students in the following cases:**
Second examinations are granted according to the stipulations of the general pass requirements of the School of Healthcare Sciences.

**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

**Special examination: Fourth year of study**
A special examination for a student who failed the module; Clinical Practice in Diagnostic Radiography IV. He or she must undergo a further clinical instruction in 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.

## Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75% in the final-year modules.

# Curriculum: Year 1

**Minimum credits: 144**

## Fundamental modules

Academic information management 101 (AIM 101) - Credits: 6.00
Academic information management 111 (AIM 111) - Credits: 4.00
Academic information management 121 (AIM 121) - Credits: 4.00
Academic English for Health Sciences (BCur, BDietetics, BOH, BOccTher, BRad and BPhysT) 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: 12.00
Radiographic anatomy 100 (RAN 100) - Credits: 20.00
Radiation physics 100 (RPH 100) - Credits: 10.00
Sepedi for beginners 110 (SEP 110) - Credits: 12.00
Academic orientation 110 (UPO 110) - Credits: 0.00
isiZulu for beginners 110 (ZUL 110) - 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
Radiation physics 100 (RPH 100) - Credits: 10.00
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: 20.00
Research in healthcare sciences 400 (RHC 400) - Credits: 10.00

## Core modules

Diagnostic radiography 400 (DIR 400) - Credits: 35.00
Management and leadership 400 (RML 400) - Credits: 20.00