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# University of Pretoria Yearbook 2021

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## BRadHons Nuclear Medicine (10247016)

**Department** Radiography

**Minimum duration of study** 1 year

**Total credits** 120

**NQF level** 08

### Programme information

Students who specialised at undergraduate level (i.e. from the second year of study) in Nuclear Medicine, register according to this curriculum.

### Admission requirements

1. BRad (or equivalent) degree **or** Bachelor in Technology: Radiography **or** National Diploma in Radiography **and** BRadHons bridging programme
2. A weighted average of at least 60% at final-year level
3. Research methodology passed at bachelor's level
4. Registration as a radiographer or a postgraduate student with the Health Professions Council of South Africa (HPCSA)
5. Access to accredited, suitable training facilities

### Additional requirements

All students must register for NVB 700 Research principles.

Also consult the General Regulations.

### Examinations and pass requirements

Second examinations may be granted in modules not passed, according to the stipulations of the School of Healthcare Sciences in this regard.

### Pass with distinction

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



## Curriculum: Final year

Minimum credits: 120

### Fundamental modules

#### Research principles 700 (NVB 700)

<b>Module credits</b>	5.00
<b>NQF Level</b>	08
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	1 discussion class per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Radiography
<b>Period of presentation</b>	Semester 1

#### Module content

Development and submission of a research protocol.

### Core modules

#### Instrumentation 700 (INX 700)

<b>Module credits</b>	25.00
<b>NQF Level</b>	08
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	1 discussion class per week, 1 lecture per week, 1 practical per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Radiography
<b>Period of presentation</b>	Year

#### Module content

PET/CT. PET/MRI. Hybrid image reconstruction technology.

#### Nuclear medicine 700 (KDE 700)

<b>Module credits</b>	30.00
<b>NQF Level</b>	08
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	1 discussion class per week, 1 lecture per week, 1 practical per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Radiography



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**Period of presentation** Year

**Module content**

Advanced imaging and processing techniques. Procedures involving the use of emerging technologies and radiopharmaceuticals. Paediatric nuclear medicine diagnostic imaging. Management and administration of therapeutic radiopharmaceuticals. Radiation safety aspects.

Comprehensive quality assurance and unit management. Establishing nuclear medicine services. Advanced concepts, current quality management theory, accreditation, and audit documentation. Basic principles and practices necessary for effective supervision and leadership in a healthcare environment. Principles and practices in human resource management in healthcare settings.

**Radiopharmacology 700 (RDF 700)**

**Module credits** 30.00

**NQF Level** 08

**Prerequisites** No prerequisites.

**Contact time** 1 discussion class per week, 1 lecture per week, 1 seminar per week

**Language of tuition** Module is presented in English

**Department** Radiography

**Period of presentation** Year

**Module content**

Radiopharmaceutical development trial processes and novel applications.

**Research report: Radiography 700 (RSK 700)**

**Module credits** 30.00

**NQF Level** 08

**Prerequisites** No prerequisites.

**Contact time** as scheduled with study leader

**Language of tuition** Module is presented in English

**Department** Radiography

**Period of presentation** Year

**Module content**

Continuation of the research process which includes the implementation of the approved research protocol and writing up a research essay of the completed research project.

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.