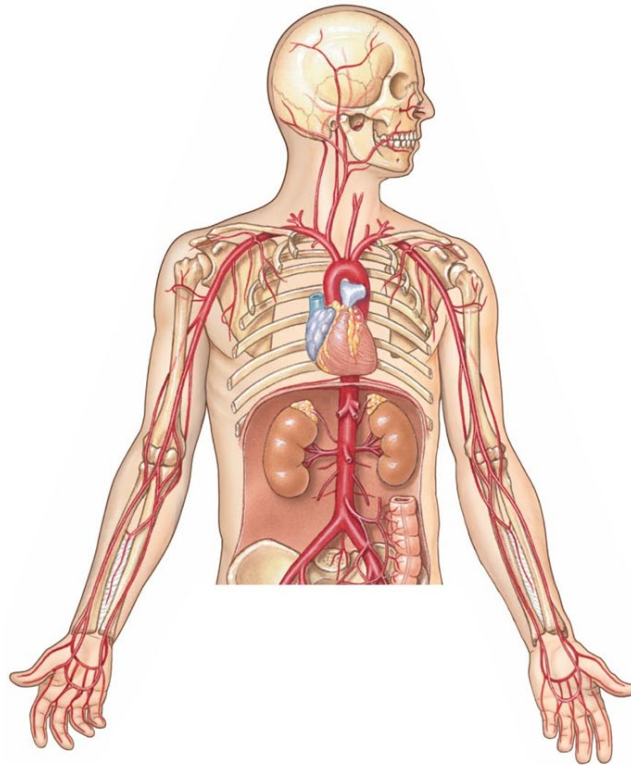


A grayscale photograph of a person in a white lab coat. The person's left hand holds a stopwatch, and their right hand holds a stethoscope. In the background, their hands are clasped together. The text "BHSc Hons Physiology" is overlaid in the center.

**BHSc Hons
Physiology**

Purpose

This program has been designed for fulltime students and is aimed at introducing students to an academic or research career in Cardiovascular Physiology.



Program

(BHSc Honours Physiology: 8EA L01; G602P)

Duration:

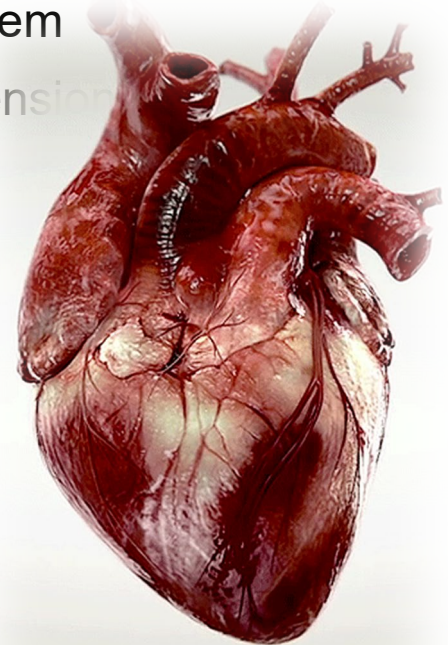
1 Year (Full time)

Language of instruction: English

Modules to complete:

- **PHYS 615** Cellular signalling of the cardiovascular system
- **PHYS 616** Determinants of blood pressure and hypertension
- **PHYS 625** End-organ damage
- **PHYS 626** Cardiovascular pathology and treatment
- **PHYS 673** Research methodology*
- **PHYS 672** Research Report*

* *year modules*



What is expected?

In addition to the 5 theory modules you need to complete, you will also be expected to complete a research project consisting out of:

1. Writing a research proposal.
2. Presentation to a scientific panel
3. Submitting a scientific report.

Topics for the project will be focused on the cardiovascular system.

What will a typical week consist of?

The academic program starts in January with orientation and training in the hypertension clinic.

A typical week will consists out of:

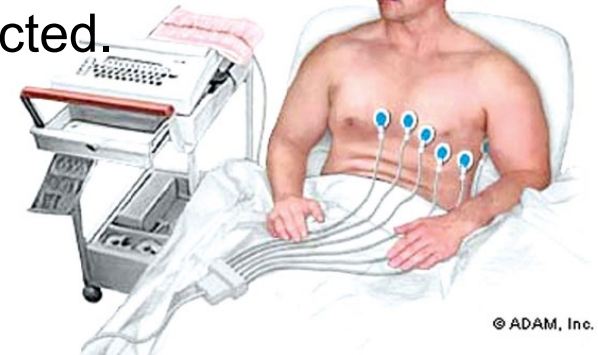
- theory classes;
- mandatory clinic work;
- working on your project;
- assistant work;
- as well as occasional journal clubs.

All theory classes, project, clinic work and journal club activities are mandatory.

These activities require you to be available on campus (Mondays – Fridays) from 08:00 – 17:00

INVOLVEMENT IN THE HYPERTENSION RESEARCH AND TRAINING CLINIC AND THE RESEARCH LABORATORY

- You will be assigned to the clinic as part of the research team for project-based or work-integrated learning.
- It is a requirement that you will be involved with ongoing research projects in HART to obtain the necessary basic research skills that will allow you to conduct independent work as researcher in the future.
- The established researchers and manager of the HART Research and Training Clinic will provide training in:
 - basic research protocols,
 - research administration,
 - and the research measurements conducted.



Prospective employment

The BSc Hons is the first step that prepares you for an academic or research career

Honors
BSc Hons

Masters
MSc

Doctoral
PhD

Take note: you will require additional studies (MSc and PhD) when considering an academic or research career.

Prospective employment

Our past students obtained work at the following institutions

- Researcher affiliated with a tertiary institution
- Higher education teaching (lecturers)
- PGCE



Application information

- Application to be completed online **before or on 31 July 2022:**
<http://studies.nwu.ac.za/studies/apply>
If you are struggling with the submission of your application please contact the admissions office.
- Faculty specific rules and requirements of the programme:
 - a) A BSc degree with Physiology as a major subject or an equivalent qualification with in-depth knowledge of Physiology
 - b) Selection is subject to the available capacity of the unit and approval by the school director.
 - c) At least **65% average** in Physiology at third-year level is required. (please submit your first-semester academic record for selection)

Take Note: Due to the high amount of applications we receive we select the students with the highest averages first. An average of >65%, therefore does not guarantee acceptance into the program.

Funding

NSFAS do not currently supply funding for this degree.

Please visit the NRF site for announcements on possible honours funding opportunities.

<https://www.nrf.ac.za/nrf-for-post-graduate-students/bursaries-scholarships/>

NRF Honours funding applications must be submitted by November.

Funding

- Also visit these sites for possible bursary opportunities:

General:

<https://bursaries-southafrica.co.za/bursaries-for-health-sciences/>

CSIR:

<https://www.csir.co.za/student-graduate-1>

NWU bursaries:

<http://studies.nwu.ac.za/financial-support-services/nwu-postgraduate-bursary-scheme>

Program information

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(018) 299-2436
F12-115

I applied. What Now?

Applicants will be notified at the end of October of the status of their applications.

In the meantime

Follow our research group (HART) social media pages to see what our postgraduate students and staff have been up to.

Instagram:

https://www.instagram.com/nwu_hart/

Facebook:

<https://www.facebook.com/NWUHART/>

Twitter:

https://mobile.twitter.com/nwu_hart

NWU website:

<https://health-sciences.nwu.ac.za/hart>