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STUDENTS

ACADEMIC APPLY

Academic ≡

Home > Academic > Courses on offer

# Qualification Details

**CAREER STUDY FIELDS** 

**QUALIFICATIONS** 

**APS SCORE CALCULATOR** 

Disclaimer: All reasonable steps have been taken to ensure that the information contained on the website is accurate at the date it was published. Nelson Mandela University reserves the right to make changes to the programme details (e.g. rules, admission requirements) as published on the website.

Create Personal FEE ESTIMATION

NB! The following information is valid for 2019

# Bachelor of Science Honours in Computer Science and Information Systems

Qualification details

Rules & curriculum

Modules

Faculty info

Faculty regulations

- All qualifications are also subject to the **General Rules for Qualifications** • Links to view module details can be found under the **Modules** tab.

# Curriculum for 2019

# BACHELOR OF SCIENCE HONOURS IN COMPUTER (QUALIFICATION CODE: 21524 - A1) (NQF LEVEL: 8, TOTAL NQF CREDITS FOR QUALIFICATION: 120)

This programme has been approved in terms of the new Higher Education Qualification Sub-Framework (HEQSF).

### **GENERAL**

The Department must approve all applications for renewal of registration annually. The Department must approve the enrolment of a candidate for all the modules.

The Honours course consists of at least eight semester lecture modules with a total credit value of at least 88 and a treatise on an independent project. Each module will consist of a single topic taken over either one or two semesters. A two-semester module contributes 22 credits, a one-semester module 11 credits and the treatise on the project 32 credits. A total of at least 120 credits is required for the learning programme. The final mark for the Honours course is an aggregate of the marks for the module and the treatise, weighted according to their respective credit values.

### **RE-ADMISSION REQUIREMENTS**

To be re-admitted to the Honours programme, the candidate in the previous year:

- must not have failed Honours modules with a total credit value of more than 33 credits; • must not have failed the treatise, WHPV400; and
- must have passed Honours modules with a total credit value of at least 44 credits. In order to register for the treatise, WHPV400, the candidate must have passed Honours modules with a total credit value of at

least 66 credits.

## **DURATION**

The qualification shall extend over at least one year of full-time study and a maximum of three years of part-time study. **CURRICULUM** 

		Presented	Module Code	Credit Value
time	<u> </u>	I		
	Compulsory modules:			
	Information Systems Project Management	Semester 1	WHVV401	11
	Treatise on the project	Year	WHPV400	32
	Select elective modules comprising 77 credits, with at least 44 credits chosen from Set A, and at most 33 credits chosen from Set B.			
	Set A (select at least 44 credits) (not all modules will need be determined by student numbers and staff availability	•	ery year; presentation	thereof wi
	Computer Graphics	Semester 1*	WHGV401	11
	Compiler Construction	Semester 1*	WHWV401	11
	Usability Engineering	Semester 1*	WEUV401	11
	Evolutionary Computing and Intelligent Systems			
		Semester 2	WRCV402	11
	Virtual Reality Environment Development	Semester 2*	WVRV402	11
	Advanced Programming	Semester 1*	WHQV401	11
	Set B (select at most 33 credits) (not all modules will nebe determined by student numbers and staff availability	very year; presentation	thereof w	
	Design in the Digital Domain	Semester 1*	WDDV401	11
	Data Warehousing	Semester 1*	WDWV401	11
	Electronic Commerce	Semester 2*	WREV402	11
	Research Frontiers in Computing	Semester 1*	WHYV401	11
	Capita Selecta	Semester 1*	WHZV401	11
	Mobile Computing	Semester 1*	WMCV401	11
	Environmental Information Systems	Semester 2*	WEIM411	11
	Theory of Computation	Semester 2*	WRHC422	11
	Another Honours module which <b>must</b> be approved by the HoD of Computing Science, subject to the condition that it should complement the other modules in the programme. <b>Approval is dependent upon submission of request on appropriate form available in the Department.</b>			22

confirm in which semester any particular module will be offered.

\* The semester in which modules are offered can differ annually. The Department must be consulted prior to registration to

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