Faculty regulations

Pre-/Co-

Requisite

Major

Fee

R4170

R4170

R2090

R2090

R2090

Fee

Fee

Fee

Fee

Fee

R4420

R4420

R1970

R1970

Module

16 MATT101

8

8

8

Credit

Pre-/Co-

Requisite

Major

Module

Requisite

Major

Major

Major

Major

Module

Pre-/Co-

Requisite

Pre-/Co-

Requisite

Module

Pre-/Co-

Requisite

Pre-/Co-

Requisite

WRFV102

MATT101

WRFV102

WRAV102

WRFV101

Pre-/Co-

Requisite

Major

Major

Fee

R5530

R2770

R2770

Fee

R5820

R5820

Module

MATT101

MATT102

MATT102

MATT101

MATT102

Pre-/Co-

Requisite

Module

MATT102

MATT101

MATT102

MATT101

FVV101

Pre-/Co-

Requisite

Major

Pre-/Co-

Requisite

MATT102

WRIV202

WRAV202

WRIV202

MATT102

WRCV201

WRIV202

WRCV201

WRAV202

WRPV301

WRIV202

7 WRIV202

Pre-/Co-

Requisite

MATT202

15 MATT212 Major

Major

Major

Fee

R4170

R4170

Module

Credit

10 MATT102

7 WRAV202 Major

10 WRAV202 Major

Major

Major

Major

Major

Major

Major

Fee

R3150

R2340

R3150

R3150

R3520

R2530

R2340

Module

10 WRCV201

Fee

R2370

R2530

Module

8 WRFV102

8 WRWV201

Credit

WRAV102

Credit

Presented

Term 1+2

Term 1+2

Term 3+4

Term 1+2

Term 3+4

Term 3+4

Term 1+2+3+4

FVV102

10

Credit

Credit

Presented

Term 1+2

Term 3+4

Term 3+4

Presented

Term 1+2

Term 3+4

6

Module

15 STAS101

Credit

Credit

15

Module

Credit

16

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Qualification Details

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QUALIFICATIONS **CAREER STUDY FIELDS APS SCORE CALCULATOR**

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Bachelor of Science (Computer Science)

Qualification details Rules & curriculum Faculty info Modules

NB! The following information is valid for 2019

Module list: Bachelor of Science (Computer Science)

(20053)

needed are found under Rules, guidelines and curriculum for this qualification.

SOUTH CAMPUS FULL TIME

Fees are estimated fees. Mother subjects do not have fees, but the modules making up the mother subject do have.

Note: The rules for using these modules in a curriculum, with all restrictions, limitations, prerequisites and number of credits

Year: 1 **Compulsory Modules**

Term 1+2

Term 3+4

Module Description Presented

Mathematics 1a

MATT101

MAPV102

MAPV111

MAPV112

Module

Module

Module

Module

STAS101

STAS102

WRCV202

WRIV201

Module

MATT201

MATT202

MATT212

FVV201

FVV202

Module

WRWV201

WRWV202

Year: 3

WRDV301

WRLV302

WRPV301

WRPV302

WRRV301

WUIV302

Module

MATT301

MATT302

Mathematics 1b MATT102

1:Tick 3 g	roups from 1-4					
Module	Description	Presented	Credit	Pre-/Co- Requisite Module	Major	Fee
MAPV101	Graph Theory	Term 1+2	8	}		R2090

Term 3+4

Term 1+2

Term 3+4

Presented

Credit

Credit

2: Tick 3 groups from 1-4

Description

Description

Mechanics

Mathematical Modelling

Numerical Methods I

WRAV101	Programming Fundamentals 1a	Term 1+2	8	R2530
WRAV102	Programming Fundamentals 1b	Term 3+4	8 WRAV101	R2530
WRFV102	Computing Fundamentals 1.2	Term 3+4	8 WRFV101	R2620
A: Tick a	all modules		Pre-/Co-	

Presented

Presented

Module Description

3: Tick 3 groups from 1-4

Description

4: Tick 3 groups from 1-4

Description

Probability & Discr Distr Theory

Computer Architecture & Networks

Information Systems 2.1

Intro To Statistical Inference

B: Tick all modules

FVV101 Mechanics &	Thermodynamics	Term 1+2	15	R5050
FVV102 Electricity, Ma	agnetism And Optics	Term 3+4	15 FVV101	R5050

Presented

Presented

Term 1+2

Term 3+4

Year: 2 1: Tick 3 groups from 1-5

Module	Description	Presented	Credit	Module	Major	Fee
WRAV201	Data Structures And Algorithms	Term 1+2	8	MATT101 WRFV101 WRAV102		R2530
WRAV202	Data Structures And Algorithms	Term 3+4	8	WRAV201		R2530
WRCV201	Computer Architecture & Networks	Term 1+2	6	WRAV102		R1970

Term 3+4

Term 1+2

Information Systems 2.2 WRIV202 Term 3+4 6 WRIV201 R1970 2: Tick 3 groups from 1-5 Pre-/Co-Requisite Description Module Module Presented Credit Major Fee MAPV201 **Differential Equations** Term 1+2 MATT102 R2770 **Transform Theory** Term 3+4 MAPV202 MATT102 R2770 Numerical Methods Ii MAPV211 Term 1+2 MATT102 R2770 **Linear Optimization** Term 3+4 MAPV222 MATT102 R2770

4: Tick 3 groups from 1-5 Module Description

5: Tick 3 groups from 1-5

Computer Science II non-majors

Description

Web Systems 2.1

Web Systems 2.2

3: Tick 3 groups from 1-5

Description

Real Analysis

Linear Algebra

Multivariable And Vector Calculus

Optics, Ac Theory And Thermodynamics

Mechanics And Modern/Nuclear Physics

Module	Description	Presented	Credit	Pre-/Co- Requisite Module	Major	Fee
STAS201	Theory Of Distributions	Term 1+2	20	STAS101 MATT102 STAS102		R5820
STAS202	Regression Analysis & Adv Regr Topics	Term 3+4	20	MATT102 STAS101 STAS102		R5820

Presented

Term 1+2

Term 3+4

Module Description **Advanced Data Structures** WRAV301

Database Systems 3

Advanced Programming 3.1

Advanced Programming 3.2

User Interface Design

Project

3: Tick 2 groups from 1-5

Description

Real Analysis

Modern Algebra

Formal Languages And Automata Theory 3.1

1: Tick 2 groups from 1-5

2: Tick 2	groups from 1-5					
Module	Description	Presented	Credit	Pre-/Co- Requisite Module	Major	Fee
MAPV301	Partial Differential Equations	Term 1+2	15	MAPV202 MAPV201	Major	R4170
MAPV302	Nonlinear Optimization	Term 3+4	15	MAPV211	Major	R4170
MAPV311	Finite Difference Methods	Term 1+2	15	MAPV211	Major	R4170
MAPV312	Dynamical Systems	Term 3+4	15	MAPV201	Major	R4170

Presented

Term 1+2

Term 3+4

					FVV20 FVV20			
FVV302	Crystallography And Solid State Physics	Term	า 3+4		30 FVV20 MATT FVV20 MATT	102 1	njor R9	9770
5: Tick	2 groups from 1-5							
Module	Description	Presented	Credit		Pre-/Co- Requisite Module	Major	Fee	
STAS301	Statistical Inference	Term 1+2		24	STAS201	Maior	R	5860

l· Tick	2 groups from 1-5		15 M <i>A</i>	ATT202 Ma	ajor	
Module	Description	Presented	Credit	Pre-/Co- Requisite Module	Major	Fee
FVV301	Electrodynamics And Quantum Mechanics	Term 1+2	30	MATT201 MATT202 FVV201 FVV202	Major	R9770
FVV302	Crystallography And Solid State Physics	Term 3+4	30	FVV202 MATT102 FVV201 MATT101	Major	R9770

				Pre-/Co- Requisite		
Module	Description	Presented	Credit	Module	Major	Fee
STAS301	Statistical Inference	Term 1+2	24	STAS201	Major	R5860
STAS312	Time Series Analysis	Term 3+4	10	STAS202	Major	R2920
STAS321	Special Topics In Statistics	Term 1+2	6	STAS201	Major	R1780
STAS322	Theory Of Linear Models	Term 3+4	10	STAS202	Major	R2920
STAS342	Operations Research	Term 3+4	10	STAS201	Major	R2920

Presented

Term 3+4

Module

WRMV302

Description

Multimedia Systems 3.2

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Pre-/Co-

Requisite

Major

Fee

R3150

Module

10 WRMV301

Credit