

1. FEE STRUCTURE

	Self Sponsored Students: Fulltime, Evening & Weekends (SSFTEW)	Self Sponsored Students: Distance Learning (SSDL)	Government Sponsored Students (GSS)
Tuition Fees Per Semester	Kshs.	Kshs.	Ksh.
Tuition Fees (6 Courses Only)	55,000	45,000 (Inclusive of Study Modules)	8,000
Administrative Charges Per Semester	Kshs.	Kshs.	Ksh.
Student Activity	1,500	1,500	1,500
Medical Cover	2,500	-	2,500
Library	2,000	2,000	2,000
ICT	2,000	2,000	2,000
Students Association (GUSA)	500	500	500
Exam Fee (6 Courses)	3,000	3,000	3,000
Practicals Fee			
Year 2 semester II	5,000	5,000	5,000
Year 3 semester I	5,000	5,000	5,000
Year 3 semester II	5,000	5,000	5,000
Year 4 semester I	5,000	5,000	5,000
One-Off Administrative Charges (Payable once on entry)	Kshs.	Kshs.	Kshs.
Facilities Maintenance Fee	2,000	2,000	2,000
Student ID Card	500	500	500
Registration Fee	2,000	2,000	2,000
KUCCPS Placement Charge	-	-	1,500
CUE Quality Assurance Charge	1,000	1,000	1,000
Other Charges	Kshs.	Kshs.	Kshs.
Industrial Attachment	8,000	8,000	8,000
Assessment (Payable Once in Y3 S3)			

Total Fees Per Semester (Exclusive of Accommodation and Food)								
YEAR 1			YEAR 2			YEAR 3		
SEMESTER I			SEMESTER II			SEMESTER I		
SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS
72,000	59,500	26,500	66,000	54,000	19,500	66,500	54,000	19,500
YEAR 2			YEAR 3			YEAR 4		
SEMESTER II			SEMESTER I			SEMESTER II		
SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS
71,500	59,000	24,500	71,500	59,000	24,500	71,500	59,000	24,500
YEAR 3			YEAR 4			YEAR 5		
SEMESTER III (CORPORATE INTERNSHIP)			SEMESTER I			SEMESTER II		
SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS
8,000	8,000	8,000	71,500	59,000	24,500	66,500	54,000	19,500

NB: All applicable fees should be paid within one month of the start of the registered semester failure to which a late payment surcharge of Ksh.2,000 will automatically be debited to the student fee account.

2. ACCOMODATION & MEALS

- Self Contained Rooms (4 students sharing) inclusive of breakfast, Lunch & Supper = **Ksh. 30,000** per semester per Student
- Self Contained Rooms (6 students sharing) inclusive of breakfast, Lunch & Supper = **Ksh. 28,000** per semester per Student
- General Rooms (Washroom facilities outside the rooms) inclusive of breakfast, Lunch & Supper = **Ksh.26,000** per semester per Student



FOR MORE INFORMATION PLEASE CONTACT

The Students Recruitment & Admissions Office

Gretsa University

P.O Box 3 - 01000

Thika, Kenya.

Tel : +254 711 949006 + 254 712 959293

020 2308997/8

E-Mail: admission@gretsauniversity.ac.ke

info@gretsauniversity.ac.ke

Website: www.gretsauniversity.ac.ke

or


For More Information SMS the word GRE TSA to 20133

free of charge

or

Visit our Main Campus located at Thika Town along Thika Garissa Road

Join us on  **Gretsa University - Thika**

Follow us on  **@GretsaUni_Thika**



SCHOOL OF COMPUTING AND INFORMATICS

BACHELOR OF SCIENCE IN COMPUTER SCIENCE



The School's Vision

To be a center of excellence in the training and research on Computer Science and Information Technology professionals who are recognized locally and internationally.

The School's Mission

To provide a learning environment that attracts, develops and retain students. The School endeavors in training and equipping students with current and relevant theoretical and practical skills that suit today's information technology demands.

Please visit our website at: www.gretsauniversity.ac.ke

Effective Date : 1 August 2018

OVERALL GOAL OF THE PROGRAMME

Computers have become important and powerful tools in collecting, recording, managing and distributing critical essential masses of information in the world today. The aim of this programme is to produce a computing science graduate who has competitive technical information technology and communication (ICT) skills necessary and vital in all business environments..

CORE PROGRAMME LEARNING OUTCOMES

Upon completion of the Bachelor of Science in Computer Science degree programme, the graduate will have acquired diverse information technology knowledge and will be able to demonstrate the ability to apply information technology and communication skills to support, corporate, personal and social work, develop and implement reliable software solutions with proper technical documentation in line with the economic pillar of Kenya Vision 2030.

CAREER PROSPECTS

Computer Science graduates have successful career in the following fields:

- ◆ Management of computer Systems & hardware Maintenance .
- ◆ Systems and Web development.
- ◆ Network Management.
- ◆ Systems Administration.
- ◆ IT Consultancy.
- ◆ Database Management.

ADMISSION REQUIREMENTS

- Be a holder of KCSE (or equivalent examination) certificate with a minimum mean grade of C+ (Plus) Or
- Be a holder of KACE certificate with a minimum of two principal passes and one subsidiary pass, Or
- Be a holder of a diploma or a professional certificate in IT recognized by the Ministry of Education and/or Commission for University Education

PROGRAMME DURATION

The duration of the programme will be 8 Semesters, undertaken within 3 calendar years.

EXAMINATION REGULATIONS

Senate approved Common Rules and Regulations for Grets University shall apply

CREDIT TRANSFER

Holders of relevant IT diplomas from KNEC,KASNEB and other institutions and professional bodies recognized by CUE will be admitted in 2nd year of study while those with higher diplomas and final level professional qualification will be admitted in 3rd year of study provided the credit s transfers granted do not exceed 49% of credits offered in this degree programme.

Semester II

Course Code	Course Title
BSCS 207	Advanced Database Systems

GRADING OF COURSES

Each unit is graded out of 100 marks and the pass mark as follows:

Overall Average Mark	Grade
70% and above	A
60% to below 70%	B
50% to below 60%	C
40% to below 50%	D
Below 40%	F

CLASSIFICATION OF THE DEGREE

The Degree shall be classified as follows, based on the Cumulative Average Mark

Overall Average Mark	Degree Classification
70% and above	First Class Honours
60% to below 70%	Second Class Honours (Upper Division)
50% to below 60%	Second Class Honours (Lower Division)
40% to below 50%	Pass

YEAR I

Semester I

Course Code	Course Title
GUCC 100	Computer Application skills
GUCC 101	National Cohesion & Integration
GUCC 102	Quantitative Skills
BSCS 100	Discrete Structures I
BSCS 101	Fundamentals of Computing
BSCS 102	Principles of Operating Systems

Semester II

Course Code	Course Title
BSCS 103	Systems Analysis and Design
GUCC 103	Human Health and Wellness
BSCS 104	Discrete Structures II
BSCS 105	Digital Electronics I
BSCS 106	Introduction to Programming
BSCS 107	Introduction to Database Systems

YEAR II

Semester I

Course Code	Course Title
BSCS 201	Algorithms and Data Structures
BSCS 202	Digital Electronics II
BSCS 203	Differential and Integral Calculus
BSCS 204	Visual Programming
BSCS 205	Object Oriented Programming
BSCS 206	Introduction to Internet Technologies

BSCS 208	Advanced Object Oriented Programming
BSCS 209	Probability & Statistics
BSCS 210	Linear Algebra
BSCS 211	Software Engineering
GUCC 201	Information Literacy
BSCS 215	IT Practical I - PC Repair & Maintenance

YEAR III

Semester I

Course Code	Course Title
GUCC 300	Entrepreneurship and Business Development
BSCS 301	Computer Organization and Architecture
BSCS 302	Data Communication and Networks
BSCS 303	Software Project Management
BSCS 304	Design and Analysis of Algorithms
BSCS 305	Computing Research Methods
BSCS 306	IT Practical II – Database Development with MySQL

Semester II

Course Code	Course Title
GUCC 301	Critical Thinking & Logic
BSCS 307	Computing Research Project I
BSCS 308	Assembly Language
BSCS 309	Internet Application Programming
BCBA 300	Management Information Systems
BSCS 311	Principles of Programming Languages
BSCS 314	IT Practical III – Networking

Semester III

Course Code	Course Title
BSCS 315	Industrial Attachment

YEAR IV

Semester I

Course Code	Course Title
BSCS 400	Computer Graphics
BSCS 401	Artificial Intelligence
BSCS 402	Human Computer Interaction
BSCS 403	Computing Research Project II
BSCS 404	Software Quality Assurance
BSCS 405	Computer Security & Cryptography
BSCS 406	IT Practical IV - Mobile Application Development with Android

Semester II

Course Code	Course Title
GUCC 400	Entrepreneurship Project
BSCS 407	Distributed Systems
BSCS 408	Compilers Construction and Design
BSCS 409	Wireless & Mobile Computing
BSCS 414	Professional Ethics in Computing
BSCS 415	Computer Systems Project