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 Assessment (Payable Once in Y3 S3)	8,000	8,000	8,000

Total Fees Per Semester (Exclusive of Accommodation and Food)

YEAR 1						YEAR 2		
SEMESTER I			SEMESTER II			SEMESTER I		
SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS	SSFTEW	SSDL	GSS
72,000	59,500	26,500	66,500	54,000	19,500	66,500	54,000	19,500

YEAR 2			YEAR 3					
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					
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

i). Self Contained Rooms (4 students sharing) inclusive of breakfast, Lunch & Supper = **Ksh. 30,000** per semester per Student

ii). Self Contained Rooms (6 students sharing) inclusive of breakfast, Lunch & Supper = **Ksh. 28,000** per semester per Student

iii). 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

E-Mail: admission@gretsauniversity.ac.ke

info@gretsauniversity.ac.ke

Website: www.gretsauniversity.ac.ke

or

For More Information SMS the word GRETSA to 20133

free of charge

or

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

 gretsa_uni

 Gretsa Thika

 Gretsa_Uni

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**

Revised: April 2023

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 Gretsa 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.

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

PROGRAMME STRUCTURE

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

Semester II

Course Code		Course Title
BSCS	207	Advanced Database Systems
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