

1. Entry requirements and Mode of Study

Department	Course Offered	Minimum Entry Requirements	Mode of Study	Campuses where courses are offered	Duration
1. All departments	B.Sc	Mean grade of C+ (Plus) at KCSE or equivalent with a minimum of a C (plain) in Mathematics and at least C+ (Plus) or equivalent in any three subjects chosen from Mathematics, Physics, Chemistry, Biology and Geography OR at least grade C (Plain) at KCSE with a Diploma of at least a credit pass in a relevant field of study from a recognized institution OR KACE with two (2) Principles and one (1) Subsidiary.	Full-time, Part-time, ODeL, IBP	All campuses	4 years
Chemistry	a. B.Sc (Analytical Chemistry with Management)	Mean grade of C+ (Plus) at KCSE or equivalent with at least C+ (Plus) or equivalent in Chemistry and Mathematics and either Physics/Physical Science, Biology or Biological Sciences OR Mean grade C (Plain) at KCSE or equivalent with a Diploma of at least credit pass in the relevant field of study from a recognized institution.	Full-Time, Part-Time	Main Campus	4 years
	b. B.Sc (Industrial Chemistry with Management)	Mean grade of C+ (Plus) at KCSE or equivalent with at least C+ (Plus) or equivalent in Chemistry and Mathematics and either Physics/Physical Science, Biology or Biological Sciences OR Mean grade C (Plain) at KCSE or equivalent with a Diploma of at least credit pass in the relevant field of study from a recognized institution.	Full-Time	Main Campus	4 years
Physics	a. B.Sc (Telecommunication)	Mean grade of C+ (Plus) at KCSE or equivalent with at	Full-Time	Main Campus	4 years

	& Information Technology)	least C+ (Plus) or equivalent in Mathematics and Physics OR Mean grade C (Plain) at KCSE or equivalent with a Diploma of at least a credit pass in the relevant field of study from a recognized institution. In addition, applicants must have obtained grade C (Plain) or equivalent in Mathematics.			
Biochemistry & Biotechnology	a. B.Sc (Biochemistry)	Mean grade of C+ (Plus at KCSE or equivalent with at least C+ (Plus) or equivalent in Chemistry, Biology, Physics/Mathematics and English or Kiswahili OR Mean grade C (Plain) at KCSE or equivalent with a Diploma at least a credit pass in the relevant field of study from a recognized institution.	Full-Time	Main Campus	4 years
	b. B.Sc (Biotechnology)	Mean grade of C+ (Plus at KCSE or equivalent with at least C+ (Plus) or equivalent in Chemistry, Biology, Physics/Mathematics and English or Kiswahili OR Mean grade C (Plain) at KCSE or equivalent with a Diploma at least a credit pass in the relevant field of study from a recognized institution.	Full-Time	Main campus	4 years
	c. B.Sc (Forensic Science)	Mean grade of C+ (Plus at KCSE or equivalent with at least C+ (Plus) or equivalent in the following subjects: Alternative A: Biology B-(Minus), Chemistry B-(Minus), Physics C+ (Plus). Alternative B: Biological Sciences B (Plain), Physical Sciences B (Plain), Mathematics C+ (Plus), OR two (2) Principals in Biology and Chemistry and one (1) Subsidiary in either Physics or Mathematics OR Diploma of at least a credit pass in the relevant field of study from a recognized institution with Mean grade C (Plain) at KCSE or KCE Division III and C+ in each of the mandatory subjects plus at	Full-Time	Main Campus	4 years

		least two (2) years relevant working experience.			
	d. B.Sc. (Molecular/Cell Biology)	Mean grade of C+ (Plus at KCSE or equivalent with the minimum grades shown in the following subjects: Alternative A: Biology B- (Minus), Chemistry B- (Minus), Physics C+ (Plus). Alternative B: Biological Sciences B (Plain), Physical Sciences B (Plain) OR KCSE C (Plain) or equivalent with a Diploma of at least a credit pass in the relevant field of study from a recognized institution.	Full-Time	Main Campus	4 years
Mathematics	B.Sc (Statistics & Programming)	Mean grade of C+ (Plus at KCSE or equivalent with at least B (Plain) or equivalent in Mathematics C+(Plus) in English OR at least two (2) Principals, one of which must be Mathematics at KACE or equivalent OR Mean grade of C (Plain) at KCSE or equivalent with a Diploma in statistics of at least a credit pass from a recognized institution.	Full-Time, Part-Tiem ODeL, IBP	Main Campus	4 years
Zoological Sciences	a. B.Sc (Biology)	Mean grade of C+ (Plus at KCSE or equivalent with at least B (Plain) or equivalent in Biology/Biological Sciences and any two of the following subjects: Chemsitry, Geography, Agriculture, Physical Science/Physics. In addition candidates must have obtained grade C (Plain)in Mathematics at KCSE or equivalent OR Mean grade of C (Plain) at KCSE with a Diploma of at least a credit pass in a relevant field of study from a recognized institution OR KACE with two (2) Principals and one (1) Subsidiary with a Principal pass in Biology.	Full-Time	Main Campus	
	b. B.Sc (Coastal & Marine Resources)	Mean grade of C+ (Plus at KCSE or equivalent and must have passed with the minimum grades shown in	Full-Time	Mombasa Campus	

		<p>any of the two subjects from the following alternatives: Alternative A: Biology B- (Minus), Chemistry C+ (Plus), Physics C+ (Plus), Mathematics C+ (Plus), Geography B+ (Plus), English B (Plain). Alternative B: Physical Sciences B- (Minus), Biological Sciences B+ (Plus), Mathematics C+ (Plus), Geography B+ (Plus), English B (Plain) OR at least two (2) Principals one of which must be Biology and one (1) Subsidiary in KACE or equivalent OR Mean grade of C (Plain) at KCSE or Div. III at KCE or equivalent with a Diploma in Forestry, Education (Biology, Agriculture), Applied Biology, Wildlife or Wetlands with at least a credit pass from a recognized institution.</p>			
	c. B.Sc (Animal Health)	<p>Mean grade of C+ (Plus at KCSE or equivalent and must have passed with the minimum grades shown in any of the two subjects from the following alternatives: Alternative A: Biology B- (Minus), Chemistry B- (Minus), Mathematics/Physics C+ (Plus) Alternative B: Biological Sciences B (Plain), Physical Sciences B (Plain), Mathematics C+ (Plus) OR at least two (2) Principals one (1) Subsidiary in Biology and Chemistry in KACE or equivalent KCSE C (Plain) or equivalent with a Diploma in the relevant field of study from a recognized institution.</p>	Full-Time	Mombasa Campus	
Plant & Microbial Sciences	a. B.Sc (Microbiology)	<p>Mean grade of C+ (Plus at KCSE or equivalent with at least B (Plain) or equivalent in Biology/Biological Sciences and any two (2) of</p>	Full-Time, IBP	Main Campus	4 years

		the following subjects: Chemistry, Geography, agriculture Physical Science/Physics. In addition candidates must have obtained grade C (Plain) in Mathematics at KCSE or equivalent OR Mean grade of C (Plain) at KCSE with a Diploma of at least a credit pass in a relevant field of study from a recognized institution OR KACE with two (2) Principles and one (1) Subsidiary with a Principal pas in Biology.			
	b. B.Sc (Conservation Biology)	Mean grade of C+ (Plus at KCSE or equivalent with at least B (Plain) or equivalent in Biology/Biological Sciences and any two (2) of the following subjects: Chemistry, Geography, Agriculture, Physical Science/Physics. OR at least two (2) Principles one of which must be Biology and one (1) Subsidiary in KACE or equivalent OR Div III at KCE or equivalent with a Diploma in Forestry, Education (Biology, Agriculture), Wildlife or Wetlands of at least a credit pass from a recognized institution.	Full-Time	Main Campus	4 years

M.Sc Programmes:

Entry Requirements:

- To qualify for a Masters programme, one needs to hold a bachelors degree (Upper Second Class). Those with Lower Second are required to have at least two years relevant working experience.
- Candidates must also satisfy departmental requirements before admission in any department.

M.Sc programmes are offered in the school in the areas of specialization shown below:

1. **Chemistry Department**
 - M.Sc (Industrial Chemistry)
 - M.Sc (Applied Analytical Chemistry)
 - M.Sc (Physical Chemistry)
 - M.Sc (Theoretical Chemistry)

- M.Sc (Inorganic Chemistry)
M.Sc (Organic Chemistry)
- 2. Biochemistry & Biotechnology Department**
M.Sc (Medical Biochemistry)
M.Sc (Biotechnology)
M.Sc (Microbiology)
M.Sc (Biochemistry)
- 3. Physics Department**
M.Sc (Applied and Theoretical Physics)
M.Sc (Atomic and Molecular Physics)
M.Sc (Condensed Matter Physics)
M.Sc (Electronics)
M.Sc (Environmental Physics)
M.Sc (Geophysicis)
M.Sc (Material Science)
M.Sc (Medical Physics)
M.Sc (Nuclear Physics)
M.Sc (Polymer Physics)
M.Sc (Theoretical Physics)
- 4. Plant & Microbial Sciences Department**
M.Sc (Microbiology)
M.Sc (Ethnobotany)
M.Sc (Plant Taxonomy)
M.Sc (Genetics)
M.Sc (Plant Biochemistry and Physiology)
M.Sc (Plant Pathology)
M.Sc (Plant Ecology)
M.Sc (Developmental Botany)
- 5. Zoological Sciences Department**
M.Sc (Zoology)
M.Sc (Applied Entomology)
M.Sc (Animal Physiology)
M.Sc (Development Biology)
M.Sc (Immunology)
M.Sc (Applied Medical Parasitology)
M.Sc (Vertebrate Pest Studies)
M.Sc (Agricultural Entomology)
M.Sc (Aquatic Ecology)
M.Sc (Animal Ecology)
M.Sc (Fisheries Science)
- 6. Mathematics Department**
M.Sc (Pure Mathematics)
M.Sc (Applied Mathematics)
M.Sc (Statistics)

Ph.D Programmes:

For admission into Ph.D programmes, a candidate must have a Masters degree from a recognized University and fulfill other departmental requirements.

Facilities

The School has separate laboratory facilities and specialized equipment for each of the departments.

A key facility is the Level 2 Biosafety Plant Transformation Laboratory (PTL) and Glasshouse. This is the only approved facility of its kind in a University of Eastern and Central Africa and will greatly facilitate teaching and research in plant genetic transformation and molecular biology.

Research Activities

The School undertakes various research activities in all the departments. The list of these is readily available in the relevant departments.

For more information contact:

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