KIRINYAGA UNIVERSITY PROGRAMMES

SCHOOL OF PURE AND APPLIED SCIENCES		
Name of the Programme	**Entry Requirements**	**Programme Duration**
POST GRADUATE PROGRAMMES		
Doctor of Philosophy in Applied and Computational Mathematics	Be a holder of a relevant Master's degree in Applied mathematics or its equivalent from an institution recognized by the University Senate	3 Years
Doctor of Philosophy in Pure Mathematics	Be a holder of a relevant Master's degree in Pure mathematics or its equivalent from an institution recognized by the University Senate	3 Years
Doctor of Philosophy Statistics	Be a holder of a relevant Master's degree in Statistics or its equivalent from an institution recognized by the University Senate	3 Years
Doctor of Philosophy in Information Technology	Be a holder of Master's of Science in computing or Information Technology or Software Engineering or Computer Science or Computer Technology or Information Systems or Computer Engineering or their equivalents from an institution recognized by the University Senate.	3 Years
Doctor of Philosophy in Information Science.	Be a holder of a Master of Information Science or its equivalent from an institution recognized by the University Senate	3 Years
MSc. in Applied Mathematics	Must hold a Bachelor of Science degree in mathematics, or a closely related subject, with substantial applied mathematics content with at least Upper second class honors from a recognized university **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Pure Mathematics	Must hold a Bachelor of Science degree in mathematics, or a closely related subject, with substantial pure mathematics content with at least Upper second class honors from a recognized university. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Statistics	Be a holder of a Bachelor's degree with at least Upper Second Class honors in statistics as a major subject or its equivalent from an institution recognized by the University Senate. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years

MSc. in Data Science and Analytics	Be a holder of a Bachelor's degree with at least Upper Second Class honors in mathematics and or statistics as a major subject or its equivalent from an institution recognized by the University Senate. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Biostatistics	Be a holder of a Bachelor's degree with at least Upper Second Class honors degree in biostatistics, applied statistics, statistics, Bsc general with a mathematics major with a bias in statistics or related disciplines **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Actuarial Science	Be a holder of a Bachelor's degree with at least Upper Second Class honors in Actuarial Science or Statistics as a major subject or its equivalent from an institution recognized by the University Senate. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Information Science	Be a holder of a Bachelor's degree with at least Upper Second Class honors in relevant discipline or its equivalent from an institution recognized by the University Senate. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Computer Science	Be a holder of a Bachelor's degree with at least Upper Second Class honors in relevant discipline or its equivalent from an institution recognized by the University Senate. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
MSc. in Information Technology	Be a holder of a Bachelor's degree with at least Upper Second Class honors in relevant discipline or its equivalent from an institution recognized by the University Senate. **OR** Lower Second Class honors with two (2) years relevant experience in a relevant field.	2 Years
UNDERGRADUATE PROGR AMMES		
BSc in Information Technology Bachelor of Business Information Technology BSc Computer Science Bsc. Information Science Bsc. in Software Engineering	Be a holder of KCSE with a minimum aggregate of C+(plus) with a minimum of C in both Mathematics and English. **OR** Mean Grade of C (Plain) at KCSE with a Diploma certificate in a relevant discipline from an institution recognized by the University Senate	8 Semesters

BSc. Statistics	Be a holder of KCSE with a minimum aggregate of C+ (plus) with at least C+ (plus) in English and B- in Mathematics. **OR** Diploma in applied Sciences in which there has been a substantive mathematics content, with at least a credit pass in relevant subjects from an institution recognized by the University Senate.	8 Semesters
BSc. in Mathematics and Computer Science	Be a holder of KCSE with a minimum aggregate of C+(plus) with at least C+(plus) in Mathematics. In addition, applicants must have grade C-(minus) in both Chemistry and Physics.	8 Semesters
BSc. in Actuarial Science	Be a holder of KCSE with a minimum aggregate of C+(plus) with at least C+(plus) in English and Mathematics **OR** A mean grade of KCSE C (Plain) with C (plain) in Mathematics and a Diploma or equivalent in relevant discipline with at least a credit pass from an institution recognized by the University Senate.	8 Semesters
BSc. in Computer Systems Engineering	Be a holder of KCSE with a minimum aggregate of C+(plus) with at least C+(plus) in Mathematics, English and Physics/ Physical Science.	
BSc. General	Candidates must have passed with KCSE mean grade of C Plus (C+) or its equivalent and either a C+ in any two of the following subjects; Biology/Biological Sciences, Chemistry, Mathematics, Physics or Computer Science, depending on the preferred combinations.	8 Semesters
BSc. Analytical Chemistry	Be a holder of KCSE with a minimum aggregate of C+(plus) with at least C+(plus) or its equivalent and either a C+ in any three of the following subjects; Biology/Biological Sciences, Chemistry, Mathematics, Physics or Geography.	8 Semesters
BSc. Industrial Chemistry	Be a holder of KCSE with a minimum aggregate of C+(plus) with at least C+(plus) in i) Chemistry and Mathematics, ii) Physics/Physical sciences or Biology/Biological sciences.	8 Semesters
BSc. Applied Statistics	KCSE mean grade of C Plus (C+) and at least C Plus (C+) in English and Mathematics	8 Semesters
BSc. Financial Engineering	Kenya Certificate of Secondary Education (KCSE) mean grade of C Plus (C+) and at least C+ in both English and Mathematics	8 Semesters

SHORT COURSES		
Proficiency Certificate in Computer Applications. Certificate in data & Information Security. Certificate in Computer Networking. CISCO IT Essentials.	Be a holder of KCSE/KCE Certificate **OR** An equivalent qualification from an institution recognized by university senate	8 weeks – fulltime 12 weeks – part time
Proficiency certificate in data analysis	Be a holder of KCSE Certificate	10 Days