

COURSES/ PROGRAMMES

NAME OF THE PROGRAMME.	ENTRY REQUIREMENTS.	PROGRAMME DURATION.
SCHOOL OF BUSINESS AND EDUCATION.		
POSTGRADUATE PROGRAMMES.		
Doctor of Philosophy in Business Administration	Be a holder of a Master of Business Administration or its equivalent from an institution recognized by the University Senate.	3 Years
Master of Business Administration	Be a holder of a Bachelor's degree with at least Upper Second class honors in any discipline or its equivalent from an institution recognized by the University Senate. OR Be a holder of a Bachelor's degree with Lower Second class honors with two (2) years relevant experience in a relevant field.	2 Years
UNDERGRADUATE PROGRAMMES		
Bachelor of Commerce	Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C (plain) in both mathematics and English. OR Be a holder of Diploma in a relevant discipline or equivalent	8 Semesters
Bachelor of Science in Human Resource Management	Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C (plain) in both mathematics and English OR Be a holder of Diploma in a relevant discipline or equivalent	8 Semesters

Bachelor of Business Management	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C (plain) in both mathematics and English</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent.</p>	8 semesters
Bachelor of Procurement and Supplies Management	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C (plain) in both mathematics and English</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	8 semesters
Bachelor of Economics	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C+ (plus) in mathematics and C (plain) in English/Kiswahili</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	8 semesters
Bachelor of Economics and Finance	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C+ (plus) in mathematics and C (plain) in English/Kiswahili</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	8 semesters
Bachelor of Economics and Statistics	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C+ (plus) in mathematics and C (plain) in English/Kiswahili</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	8 semesters
Bachelor of Economics and Mathematics	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C+ (plus) in mathematics and C (plain) in English/Kiswahili</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	8 semesters
Bachelor of Economics and	<p>Be a holder of KCSE with a minimum of C+ or equivalent and a minimum of C+ (plus) in mathematics and C (plain) in English/Kiswahili</p>	8 semesters

Global Business Studies	<p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	
<p>Bachelor of Technology Education</p> <p>-Building and Construction Technology option</p> <p>-Electrical and Electronics Technology option</p> <p>-Mechanical Engineering Technology option</p> <p>-Food and Textile Technology option</p>	<p>Be a holder of K.C.S.E certificate with a minimum aggregate of C+ and a minimum grade of C in both Mathematics and English and a minimum of C+ in the required cluster subjects for areas of specialization as follows:</p> <p>-Building and Construction technology option</p> <p>Minimum Requirements are: Mathematics C+, Physics C+ and Chemistry C+</p> <p>-Mechanical Engineering Technology option</p> <p>Minimum Requirements are: are: Mathematics C+, Physics C+ and Chemistry C+.</p>	8 Semesters
	<p>-Electrical and Electronics Technology option</p> <p>Minimum Requirements are: are: Mathematics C+, Physics C+ and Chemistry C+.</p> <p>- Food and Textile Technology</p> <p>Minimum requirements are: Chemistry C+ and Biology C+.</p> <p>OR</p> <p>Be a holder of Diploma in a relevant discipline or equivalent</p>	
Bachelor of Education (Science)	<p>Be a holder of K.C.S.E certificate with a minimum aggregate of C+ and a minimum grade of C+ in the <i>two (2)</i> science teaching subjects (Physics, Chemistry, Biology, Mathematics and Computer Studies)</p> <p>OR</p> <p>Be a holder of KCSE mean grade C (Plain) with a Diploma in Education (Science) with minimum of a credit pass</p>	8 Semesters
Bachelor of Education (Arts)	Be a holder of K.C.S.E certificate or its equivalent with a minimum aggregate of C+ and a minimum grade of C+ in any two teaching subjects from among	8 semesters

	<p>the following subjects taught in secondary school level: History, CRE, Geography, English, Kiswahili, Mathematics and Business Studies.</p> <p>OR</p> <p>Be a holder of KCSE mean grade C (Plain) with an overall credit pass at Diploma in Education level (S1 level)</p>	
SHORT COURSES		
Proficiency certificate in Supervisory skills	<p>Degree Holders in any area relevant to the Public Sector Services</p> <p>OR</p> <p>KCSE/KCE/KACE qualifications and a relevant Diploma from an institution recognized by the University senate</p>	<p>4 Weeks - Fulltime</p> <p>6 Weeks - Part time</p>
Proficiency certificate in Senior Management skills	<p>Degree Holders in any area relevant to the Public Sector Services</p> <p>OR</p> <p>KCSE/KCE/KACE qualifications and a relevant Diploma from an institution recognized by the University senate</p>	<p>4 Weeks - Fulltime</p> <p>6 Weeks - Part time</p>
Proficiency certificate in Customer Care	<p>Degree Holders in any area relevant to the Public Sector Services</p> <p>OR</p> <p>KCSE/KCE/KACE qualifications and a relevant Diploma from an institution recognized by the University senate</p>	<p>4 Weeks - Fulltime</p> <p>6 Weeks - Part time</p>
Proficiency Certificate in Strategic Management and Leadership	<p>Degree Holders in any area relevant to the Public Sector Services.</p> <p>OR</p> <p>KCSE/KCE/KACE qualifications and a relevant Diploma from an institution recognized by the University senate.</p>	<p>4 Weeks - Fulltime</p> <p>6 Weeks - Part time</p>
SCHOOL OF PURE AND APPLIED SCIENCES.		
POST GRADUATE PROGRAMMES		
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

Doctor of Philosophy in Applied and computational Mathematics	Be a holder of a relevant Master 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 degree in Pure mathematics or its equivalent from an institution recognized by the University Senate.	3 Years
MSc. Biostatistics	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
M.Sc. 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
Master of Computer Science	Be a holder of a Bachelor's degree at least at Upper second class honours in relevant discipline or its equivalent from an institution recognized University Senate. OR Lower Second Class honors with two (2) years relevant experience in a relevant field	2 years
M.Sc. 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.	2 Years
Master of Information Technology	OR Lower Second Class honors with two (2) years relevant experience in a relevant field.	
MSc. Applied Mathematics	Must hold a Bachelor of Science degree in mathematics, or a closely related subject, with substantial applied mathematics content with at	2 Years

	<p>least Upper second class honours from a recognized university</p> <p>OR</p> <p>Lower Second Class honors with two (2) years relevant experience in a relevant field</p>	
MSc. Pure Mathematics	<p>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 honours from a recognized university.</p> <p>OR</p> <p>Lower Second Class honors with two (2) years relevant experience in a relevant field</p>	2 Years
MSc. Data Science and Analytics	<p>Must hold a Bachelor's degree with mathematics and/or statistics as a major subject and at least an upper second-class honours or its equivalent from an institution recognized by the University Senate.</p> <p>OR</p> <p>Lower Second Class honors with two (2) years relevant experience in a relevant field</p>	2 Years
MSc. Actuarial Science	<p>Be a holder of a Bachelor's degree with Actuarial Science or Applied Statistics as a major subject and at least an upper second class honors or its equivalent from an institution recognized by the University Senate.</p> <p>OR</p> <p>Lower Second Class honors with two (2) years relevant experience in a relevant field</p>	2 Years
UNDERGRADUATE PROGRAMMES		
BSc. Information Technology	<p>Be a holder of KCSE with a minimum aggregate of C+(plus) with a minimum of C in both Mathematics and English.</p> <p>OR</p> <p>Mean Grade of C (Plain) at KCSE with a Diploma certificate in a relevant discipline from an institution recognized by the University Senate</p>	8 Semesters

Bachelor of Business Information Technology	<p>Be a holder of KCSE with a minimum aggregate of C+(plus) with a minimum of C in both Mathematics and English.</p> <p>OR</p> <p>Mean Grade of C (Plain) at KCSE with a Diploma certificate in a relevant discipline from an institution recognized by the University Senate</p>	8 Semesters
BSc Computer Science	<p>Be a holder of KCSE with a minimum aggregate of C+(plus) with a minimum of C in both Mathematics and English.</p> <p>OR</p> <p>Mean Grade of C (Plain) at KCSE with a Diploma certificate in a relevant discipline from an institution recognized by the University Senate</p>	8 Semesters
Sc. In Software Engineering	<p>Be a holder of KCSE with a minimum aggregate of C+(plus) with a minimum of C in both Mathematics and English.</p> <p>OR</p> <p>Mean Grade of C (Plain) at KCSE with a Diploma certificate in a relevant discipline from an institution recognized by the University Senate</p>	8 Semesters
BSc. Statistics	<p>Be a holder of KCSE with a minimum aggregate of C+ (plus) with at least C+(plus) in English and B- in Mathematics.</p> <p>OR</p> <p>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.</p>	8 Semesters
BSc. in Mathematics and Computer Science	<p>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.</p>	8 Semesters
BSc. in Actuarial Science	<p>Be a holder of KCSE with a minimum aggregate of C+(plus) with at least C+(plus) in English and Mathematics</p> <p>OR</p> <p>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.</p>	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.	8 Semesters
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. 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
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
SCHOOL OF HEALTH SCIENCES.		
POST GRADUATE PROGRAMMES.		
Master of Public Health	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.	2 years
	OR Lower Second Class honors with two (2) years relevant experience in a relevant field	
Master of Forensic 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.	2 years
	OR Lower Second Class honors with two (2) years relevant experience in a relevant field	
MSc. Medical Genetics	Be a holder of a Bachelor's degree with at least Upper Second Class honors in relevant discipline or	2 years

	<p>its equivalent from an institution recognized by the University Senate.</p> <p>OR</p> <p>Lower Second Class honors with two (2) years relevant experience in a relevant field</p>	
MSc. Health Systems Management	<p>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.</p> <p>OR</p> <p>Lower Second Class honors with two (2) years relevant experience in a relevant field</p>	2 years
Post Graduate Diploma in Nursing Oncology and Palliative Care	Be a holder of a Bachelor's degree in Nursing from accredited University.	3 Trimesters
Post Graduate Diploma in Operating Theatre Nursing	Be a holder of a Bachelor's degree in Nursing from accredited University.	1 Trimester
Post Graduate Diploma in Nursing Midwifery	Be a holder of a Bachelor's degree in Nursing from accredited University.	3 Trimesters
Post Graduate Diploma in Nursing Education	Be a holder of a Bachelor's degree in Nursing from accredited University.	3 Trimesters
UNDERGRADUATE PROGRAMMES		
BSc. Forensic Science	Be a holder of KCSE with a minimum aggregate of C+ (plus) with C+ (plus) in English, Biology or Biological Sciences, Chemistry, Mathematics/Physics/ Physical Sciences	8 Semesters
Bachelor of Science in Environmental Health		
BSc. Clinical Medicine & Community Health (Direct Entry)	Be a holder of KCSE with a minimum aggregate of C+ (plus) with C+ (plus) in English/Kiswahili, Biology or Biological Sciences, Chemistry and Mathematics/ Physics/Physical Sciences.	12 Trimesters

BSc. Clinical Medicine & Community Health (Mature Entry)	<p>-Be a holder of KCSE with a minimum aggregate of C (plain) and a Diploma or Higher Diploma in Clinical Medicine and Surgery.</p> <p>-Be registered by the Clinical Officer's Council of Kenya</p>	8 Semesters
BSc. Nursing	Be a holder of KCSE with a minimum aggregate of C+ (plus) with C+ (plus) in English, Biology or Biological Sciences, Chemistry, Mathematics/ Physics/Physical Sciences.	12 Trimesters
BSc. Community Health & Development	Be a holder of KCSE with a minimum aggregate of C+ (plus) with C (plain) in Biology or Biological Sciences and a minimum of C- (minus) in Chemistry and Mathematics/Physics/Physical Sciences.	8 Semesters
BSc. Health Information Management & Informatics	Be a holder of KCSE with a minimum aggregate of C+ (plus) and above with C (plain) in English / Kiswahili ,Biology/Biological Sciences, Mathematics, Physics/ Chemistry	8 Semesters
	<p>OR</p> <p>Diploma in Health Records and Information Technology or any other equivalent qualification from an institution recognized by the University Senate.</p>	
BSc. Medical Biochemistry	Kenya Certificate of Secondary Education mean grade of C+ (plus) and above with a combination of: English or Kiswahili C , Biology/Biological Sciences, C , Mathematics C, Physics /Chemistry C.	8 Semesters
	<p>OR</p> <p>Have a minimum of 2 principal passes in mathematics and biology in A' Levels.</p>	
BSc. Medical Microbiology	Kenya Certificate of Secondary Education mean grade of C+ (plus) and above with a combination of: English or Kiswahili C , Biology/Biological Sciences, C , Mathematics C, Physics /Chemistry C	8 Semesters
	<p>OR</p> <p>Have a minimum of 2 principal passes in mathematics and biology in A' Levels.</p>	
BTECH Medical Engineering	Kenya Certificate of Secondary Education mean grade of C+ (plus) and above with a combination of: English or Kiswahili C+, Biology/ Biological Sciences, C+, Mathematics C+, Physics / Chemistry C+	8 Semesters

	<p>OR</p> <p>-Have a minimum of 2 principal passes in mathematics and biology in A' Levels.</p> <p>-Have a Diploma in Medical Engineering or any other equivalent qualification from an institution recognized by the University Senate.</p> <p>-Mean grade of C- (minus) at KCSE</p>	
BSc. Epidemiology and Medical Statistics	KCSE with a minimum aggregate of C+ (plus) with B- (minus) in Mathematics, Biology or Biological Sciences, Chemistry, English/Kiswahili.	8 semesters
BSc. Health Systems Management	Be a holder of KCSE with a minimum aggregate of C+ (plus). with B- (minus) in Mathematics, Biology or Biological Sciences, Chemistry, English/Kiswahili.	8 semesters
PROFESSIONAL SHORT COURSES		
Short Course in Good Clinical Laboratory Practice (GCLP)	KCSE/KCE/KACE Certificate with a pass in Professional qualifications in laboratory sciences OR A holder of any other qualification accepted by the university senate as equivalent to any of the above.	1 Week (Full time)
Short course in Mentorship	KCSE/KCE/KACE Certificate with a pass in health care Professional qualifications in laboratory sciences, nursing, medicine, clinical medicine, public health and community health and development OR A holder of any other qualification accepted by the university senate as equivalent to any of the above.	1 Week (Full time)
Monitoring and Evaluation of Health Programmes	KCSE/KCE/KACE Certificate with a pass in health care Professional qualifications in laboratory sciences, nursing, medicine, clinical medicine, public health and community health and development. OR A holder of any other qualification accepted by the university senate as equivalent to any of the above.	1week (Full time)
Infection prevention and Control	KCSE/KCE/KACE Certificate with a pass in health care Professional qualifications in laboratory sciences, nursing, medicine, clinical medicine, public health and community health and development. OR A holder of any other qualification accepted by the university senate as equivalent to any of the above.	1week (Full time)
SCHOOL OF ENGINEERING AND TECHNOLOGY.		
POST GRADUATE PROGRAMMES.		

Master of Science in Construction Management	<p>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.</p> <p>OR</p> <p>Lower Second Class honors with two (3) years relevant experience in a relevant field</p>	2 Years
Master of Science in Renewable Energy	<p>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.</p> <p>OR</p> <p>Lower Second Class honors with two (3) years relevant experience in a relevant field</p>	
UNDERGRADUATE PROGRAMMES		
Bachelor of Technology in Construction and Property Management	<p>KCSE Mean Grade C+, (plus) with C+ (Plus) in Mathematics, C+(plus) in Physics/ Chemistry/ Biology/ Geography OR any other from group III, IV, V</p>	8 semesters
	<p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	
Bachelor of Technology in Electronics and Computer Engineering	<p>KCSE Mean Grade C+, (plus) with C+ (Plus) in Mathematics, C+ (plus) in Physics/ Chemistry/ Biology/ Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	8 semesters
Bachelor of Technology in Mechanical Engineering	<p>KCSE Mean Grade C+, (plus) with C+(plus) in Mathematics, C+ (plus) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	8 semesters

Bachelor of Water Irrigation and Environmental Engineering	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate.</p>	8 semesters
Bachelor of Technology in Mechanical ventilation and air conditioning	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant of three-years in Diploma from an Institution recognized by CUE and University Senate</p>	8 semesters
Bachelor of Technology in Renewable Energy	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	8 semesters
Bachelor of Technology in Instrumentation and Control Engineering	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	8 semesters
Bachelor of Technology in Telecommunication and Information Engineering	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p> <p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	8 semesters
Bachelor of Technology in Chemical Engineering	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p>	8 semesters

	<p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	
Bachelor of Technology in Architectural Studies	<p>KCSE Mean Grade C+, (plus) with C (plain) in Mathematics, C (plain) in Physics/Chemistry/Biology/Geography OR any other from group III, IV, V</p>	8 semesters
	<p>OR</p> <p>A relevant Diploma of three-years from an Institution recognized by CUE and University Senate</p>	
DEPARTMENT OF TEXTILE TECHNOLOGY.		
POST GRADUATE PROGRAMMES		
Master of Science in Fashion design and Textile Technology	<p>Be a holder of a relevant Bachelors' Degree with at least Upper Second Class Honours from an institution recognized by the University Senate</p>	2 years
	<p>OR</p> <p>Be a holder of a relevant Bachelors' Degree with Lower Second Class Honours (2) years relevant experience in a relevant field</p>	
	<p>OR</p> <p>Be a holder of a relevant Bachelors' Degree with a pass in the related discipline from a recognized University with four (4) years post qualification experience</p>	
UNDERGRADUATE PROGRAMMES		
BSc. Fashion Design and Textile Technology	<p>Mean grade of C+ (plus) at KCSE, C (plain) in art design/home science or one science subject (Chemistry, Biology and Physics /one art subject (Geography, History)</p> <p>OR</p> <p>Pass in Diploma in fashion design or its equivalent with minimum C- at KCSE</p> <p>OR</p> <p>Be a holder of any qualification recognized by the University Senate as equivalent to any of the above.</p>	8 Semesters

Bachelor Interior Design (BID)	<p>Mean grade of C+ (plus) at KCSE, C (plain) in art design/home science or one science subject (Chemistry, Biology and Physics /one art subject (Geography, History)</p> <p>OR</p> <p>Pass in Diploma in interior design or its equivalent with minimum C- at KCSE</p>	8 Semesters
SHORT COURSES.		
Apparel Accessories	Be a holder of KCPE or KCSE Certificate	1 month
Interior Design and Fabric Decoration	Be a holder of KCPE or KCSE Certificate	3 weeks