

## Academic Entry Requirements for International Year One:

Nationality	International Year One entry Requirement	English language equivalent	Recommended GCSE Maths Equivalent for subjects related to Engineering, Science and CS only
UK - GCSE	NA	GCSE 4	GCSE 4
UK - A Level/AS Level	2 A Levels minimum grade D	NA	NA
UK - International Baccalaureate	IB Diploma 24 Points	A minimum grade of 4 points in Standard Level or 3 Higher Level in English or Literature and Language	
Afghanistan	60%	No	12th Grade Graduation Certificate (academic) / Baccalauria/ Baccalaureate Maths at grade C
Albania	New State Matura (Matura Shtetërore) with an overall score of 6 in the 2 compulsory and 2-3 optional subjects	No	
Algeria	Baccalauréat de l'Enseignement Secondaire with 11/20	No	Baccalaureate de l'Enseignement Secondaire Maths with a minimum of 10
Armenia	Certificate of Unified Examination 10/20  Diplom krtser masnaget with a minimum average of 50%	No	Himnakan Yndhanur Krtutyan Attestat with 3 or higher
Austria	NA	Grad 2 in English in Reifeprüfung/Matura from Allgemeinbildende Höhere Schulen	
Australia	ATAR 75 State High School Cert Min mark of 7.5	High School Certificate Year 12 English – 65%	<ul style="list-style-type: none"> <li>▪ Capital Territory: Grade C on the Australia Capital Territory (ACT) Year 10 Certificate</li> <li>▪ New South Wales: Grade C on the Year 10 Certificate</li> <li>▪ Northern Territory: Grade C on the Junior Secondary Studies Certificate</li> <li>▪ Queensland: VHA, HA or SA on the Year 10 Certificate</li> <li>▪ South Australia: Pass on the South Australian Certificate of Education (SACE)</li> <li>▪ Tasmania: Credit, Higher Pass or Pass on the School Certificate</li> <li>▪ Victoria: Pass in unit 3 or 4 on the Victorian Certificate of Education (VCE)</li> <li>▪ Western Australia: Pass on</li> </ul>

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			the Certificate of Lower Secondary Studies (CLSS)
Azerbaijan	Completion of one year of a 4-year bachelor's degree (Bakalavr) at a recognised Azerbaijani with a minimum average of 55%.	No	Certificate of Complete Secondary Education (Orta tehsil haqqinda attestat with minimum grade 3
Bahrain	General Secondary Education Certificate (Shahadat Al-Thanawaya Al-Aama) with a minimum of 80%	No	65% General Secondary Education Certificate
Bangladesh	Higher Secondary Certificate / Intermediate with 50%	No	Higher Secondary Certificate or Alim (awarded by Bangladesh Madrasah Education Board) Maths with 3.0 / 50% / B
Belarus	NA	No	Diplom o Srednem Spetsialnom Obrazovanii grade 3
Bolivia	Técnico Superior (Advanced level Technician) with 56% or above	No	Bachillerato with with 56% or above
Belgium	NA	No	
Belgium (French speaking)	NA	No	
Bosnia-Herzegovina	Minimum of 3	No	Diploma o završenoj srednjoj školi/Matura, High School Diploma Maths with 3 or above
Botswana	Diploma 3 year with a minimum of 55%	No	Botswana GCSE (BGCSE) Grade C or above
Brazil	Certificado de Ensino Medio with minimum 60% or 6.0/10	No	Certificado de Ensino Medio with minimum grade 5
Brunei	Brunei-Cambridge GCE A Level (DDD)	No	O-Level with grade C (six)
Bulgaria	Diploma za sredno obrazovanie or Diploma of Completed Specialed Education (Sredno Spetzialno Obrazovanie) with an average grade of 4 (dobur)	No	Diploma za Sredno Obrazovanie (Diploma of Completed Secondary Education) OR Sredno Spetzialno Obrazovanie (Diploma of Completed Secondary Specialised Education) Maths with grade 3
Cambodia	Associate degree with an average grade of 2.5/4.0	No	Diploma of Upper Secondary Education with grade B or above
Cameroon	Baccalaureat with a minimum of 10	Academic IELTS with 5.5 overall with a minimum of 5.5 in each element	GCE Ordinary Level at Grade C+

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		or GCE Ordinary Level at Grade C+	
Canada	<p>Alberta &amp; North West Territories - 50% in 4 subjects at grade 12</p> <p>British Columbia, Nova Scotia, Prince Edward Island - 60% in four subjects at grade 12</p> <p>Manitoba: Five credits at 300 level and at least 50% in four subjects.</p> <p>New Brunswick: 60%+ in five acceptable subjects at grade 12.</p> <p>Newfoundland: 65%+ in five acceptable subjects at Grade 12, or 60%+ in eight 3,000 level subjects.</p> <p>Ontario: 60%+ in five 4U or 4M courses</p> <p>Saskatchewan: 65%+ in four acceptable subjects at grade 12.</p> <p>Yukon Territories: minimum of four Cs in acceptable subjects at grade 12.</p> <p>Quebec: The Diplome d'Etudes Collgiales (DEC) awarded after two years of study at a 'college d'enseignement general et professionnel' (CEGEP) is acceptable and is marked on a percentage scale with 50% as the lowest pass mark.</p> <p>Between provinces the percentage grades differ however the range is generally 80%-100%=A, 65% - 79% = B, 50% - 64% = C (except in Ontario and Manitoba where 50% - 59% = D, but this is still regarded as a pass).</p>	<p>65% High School Grade 12 English</p> <p>OR</p> <p>2 English Classes/2 semesters of English at University or Community College</p> <p>OR</p> <p>AP English Language or Literature grade 3</p> <p>OR</p> <p>Standard English language entry requirements - IELTS 5.5 or equivalent</p>	Grade 10 Maths with a minimum of 50%

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China	Senior High School Graduation Certificate or Zhongzhuan Graduation Certificate (vocational high school) with 65% overall OR Successful completion of 1-year Higher Education	No	Senior High School Graduation Certificate or Zhongzhuan Graduation Certificate with grade C / 60%
Colombia	Tecnico Profesional en (subject area) with Pass	No	Título de Bachillerato Académico (or equivalent) qualification with grades 6+ (scale of 1-10) or 50+ (scale 1-100) in final year
Croatia	NA	No	Maturatna Svjedodžba (Matriculation Certificate) / School Leaving Certificate Maths with 2 or above OR Svjedodžba o završnom ispitu (certificate of completed education) with 3 and above
Cyprus	The Apolytirion with an average of 14 or above	No	The Apolytirion with 14 in Maths
Czech Republic	NA	No	Maturitni Zkouška / Maturita grade 4 or above
Denmark	7	With a mark of 7	Folkeskolens 10 Klasseprøve / Folkeskolens Afgangsprøve (10th form advanced leaving examination) grade 7
Ecuador	Titulo de Tecnico / Technico Superior with a minimum of 6 overall	No	Bachillerato (or equivalent) qualification with grades 12 in mathematics in final year.
Egypt	Al-Azhar Diploma with 50% overall	No	65% in Egyptian Thanaweya A'ama (General Secondary School Certificate)
Eritrea	Eritrean Undergraduate Diploma with Grade D	No	Eritrean Secondary Education Certificate Examination (ESECE) with grade C or above in Maths
Estonia	with 4 overall in Riigieksamid (State Exams)	No	Gümnaasiumi lõputunnistus (Secondary School Certificate) grade 3 in Maths
Finland	Ylioppilastutkinto ["yo-todistus"] / studentexamen (Matriculation Examination) with average grades of 3 or above over the 4 compulsory tests	No	Ylioppilastutkinto Maths B/2 in either long syllabus (pitka oppimaara) or basic / short syllabus (lyhyt oppimaara)
France	11/passable in Baccalaureat General,	No	Baccalauréat with 10 in Maths (with at least

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	Diplome de l'Enseignement du Second Degre, Baccalaureat avec Option Internationale, Baccalaureat Technologique, Baccalaureat Professionnel, Brevet de Technicien		coefficient 5 or 7+); 12 in Maths (with at least coefficient <5) from either épreuves anticipées obtained in première [yr 2], or épreuves terminales obtained in teminale [yr 3])
Gabon	Baccalaureat, Baccalaureat Technique, Diplome de Technicien Industriel grade 12 (assez bien).	No	Baccalauréat with assez bien (12)
Gambia	6 credit passes with grade C6 of above from the SSCE (WAEC/NECO) including Maths and English	No	WAEC Maths grade 1-6
Georgia	NA	No	Secondary school leaving certificate (სრული ზოგადი განათლების ატესტატი / sashualo ganatlebis atestasi or sashualo skolis atestati) 'satisfactory'
Germany	NA	No	Abitur/Realshulabschluss/Mittlere Reife/Realschulreife Maths with a score of 4 or above (LF - Leistungskurs level – [Advanced]) or 7 (non-LF).
Ghana	West African School Certificate or NECO Senior School Certificate with Grade C profile	Academic IELTS with 5.5 overall with a minimum of 5.5 in each element OR WAEC/NECO with grade C6+ in English	WAEC/NECO with grade C6+ in Maths
Greece	Students must have passed the Apolytirion of Lykeio / Apolytirio (Geniko) Lykeiou (Απολυτήριο (Γενικού) Λυκείου) from a Eniaio Lykeio (ενιαίο λύκειο), Unified Lyceum or Geniko Lykeio (General Lyceum which replaced the former) with a minimum average of 15, including in key subjects	No	13.1 or above in Apolytirio ([Geniko] Lykeiou Απολυτήριο [Γενικού] Λυκείου)
Guatemala		No	Bachillerato / perito / bachiller with 70%

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	Diplomado / Diploma de Técnico Universitario with 60%		
Hong Kong	Hong Kong Diploma of Secondary Education (HKDSE) with minimum grades 3,3,2	HKDSE English Level 3 at category A	Hong Kong Certificate of Education Examination (HKCEE) Mathematics Grade C
Hungary	Erettsegi / Matura with an average of 3/ közepes/average or above over the 5 subjects (4 compulsory and 1 optional) ▪ Szakközépiskola Érettségi Bizonyítvány (Vocational Secondary School Leaving Certificate) with a minimum average of 3	No	Erettsegi / Matura or Foiskola Oklevel with 2 (Elegseges) in standard or higher grade Maths
Iceland	Studentsprof (Matriculation / University Entrance Diploma) with 140 credits and average marks of 5 and above	With a mark of 9	Stúdentspróf (matriculation / University Entrance Diploma) grade 5 in at least 6 credits
India	Senior School Certificate / Higher Secondary Certificate / India School Certificate - Standard 12 with a minimum of 50% overall  OR  SSC (Grade X) 60% + 2 or 3 Year Diploma in Engineering/Technology subjects with an overall average of 55%	Academic IELTS 5.5 with no subtest below 5.5 with the exception of students who have the following exam board and regional results from Standard 12/Standard XII or Grade 12: 70% in Year 12 English (See: Category A) 68% in Year 12 English (See: Category B) Category A Board of Intermediate Education (Andhra Pradesh), Bihar Board, Uttar Pradesh Board, Jharkhand Board, Punjab Board, Haryana Board, Himachal Board, Jammu & Kashmir Board, Gujarat Board and Telangana Board.  Category B All other Boards, where Medium of Instruction is English: CBSE, AISCSE, Maharashtra Board, West	Year 12 Maths with 50% or Year 10 Maths at 70%

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		Bengal Board, Kerala Board, Karnataka Board, Madhya Pradesh Board, Rajasthan Board and other Boards	
Indonesia	Sekolah Menengah Atas (SMA) with 70% overall	No	Ijazah - Sekolah Menengah Pertama/Madrasah Tsanawiyah (SMP/MT) (Certificate of Graduation from Junior Secondary School) with a grade 6
Iran	High School Diploma (Metevaseth) with 11 overall	No	High School Diploma (Metevaseth) with grade 10
Ireland	NA		Irish Leaving Certificate Standard Level O1 – O4 in Maths.
Italy	Diploma di Esame di Stato / Diploma di Maturità (Classica/Scientifica/Linguistica) with a minimum overall mark of 6.5 or 65 including in key subjects	No	Minimum 6 in Maths in at least year 3 of Liceo or equivalent vocational school
Ivory Coast	Brevet de Technician with 10 or above ▪ Diplôme Universitaire de Technologie	No	Baccalauréat with assez bien (12)
Japan	Kotogakko Sotsugyo Shomeisho (Upper Secondary School Leaving Certificate) with 4 overall	No	A grade of 3 or above (out of 5) in the Lower Secondary Leaving Certificate, or Special Training School Upper Secondary Certificate
Jordan	Certificate of General Secondary Education with 60%	No	Certificate of General Secondary Education with 50%
Kazakhstan	Diploma of Technical and Vocational Education with 3.5	No	Diploma of Completed Secondary Education with 3 out of 5
Kenya	Diploma with a minimum of 40% (pass)	KCSE grade C or higher	C in KCSE
Kosovo	Diploma o završenoj srednjoj školi/Matura, High School Diploma with 6	No	Diploma o završenoj srednjoj školi/Matura with 6 or above
Kuwait	Shahadat-al-thanawia-al-a'ama (General Secondary School Certificate) with an overall grade of 80% or above in each subject	No	60% in the Shahadat-al-thanawia-al-a'ama (General/Vocational Secondary School Certificate)
Kyrgyzstan	Qualification Diploma / Junior Specialist Diploma - GPA 1.8	No	Svidetel'stvo o Srednem Obrazovanii (Certificate of

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			Secondary Education) with 3 in Maths
Laos	NA	No	Maths in Upper Secondary Education grade 2.0
Latvia	NA	No	Pass in Maths in Atestats Par Visparejo Videjo Izglitiba
Lebanon	General Secondary Certificate or Baccalaureat Technique with 60%	No	11/20 in Baccalauréat
Libya	▪ A University matriculation with a minimum of 50%.	No	Secondary Education Certificate with 60% or above in Maths
Liechtenstein	NA	No	Matura or Berufsmatura with a grade of 4 in Maths
Lithuania	Grade 8 and above Recommendation An average score of 50% in at least 2 State exams	No	Brandos Attestas class modules (dalyko pavadinimas) or exams (either scholastic or State) with Maths grade 5 or 50% or above
Luxembourg	Diplôme de Fin d'Etudes Secondaires or Diplôme de Fin d'Etudes Secondaires Techniques with an average of 36	No	Diplôme de Fin d'Etudes Secondaires Mathématiques 30 or above
Macau	NA	Unsure	Cambridge Overseas School Certificate (COSC) Grade 1-6 or GCE O Level grade C.
Macedonia	Secondary School Leaving Diploma/Matura with 3.0 or above		Secondary School Leaving Diploma/Matura Maths grade 3
Malawi	NA	No	Malawi School Certificate of Education (MSCE) Maths grade 1-6
Malaysia	STPM (Sijil Tinggi Persekolahan Malaysia) with 1.67 / C-	Academic IELTS with 5.5 overall with a minimum of 5.5 in each element or SPM 1119 grade C or above	SPM Maths with minimum grades of C/6
Malta	NA	No	Secondary Education Certificate Maths grades 1-5
Mexico	Título Académico de Bachiller Tecnológico / Diplome de Bachiller / Bachillerato General with 70%	No	Título Académico de Bachiller / Diploma de Bachiller with Maths with 6 or above
Moldova	Diploma de Baccalaureate with an overall average of 6 or above	No	Atestat de Studii Medii de Cultură Generală (Certificate of Completed Secondary Education) or Diploma de Baccalaureate with 5 or above



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Mongolia	Certificate of Complete Secondary Education with 70%	No	Gerchilgee (Secondary School Leaving Certificate) Maths with 60%
Montenegro	Diploma o Završenoj Srednjoj Školi (Secondary School Leaving Diploma) with grades of 3	No	Diploma o Završenoj Srednjoj Školi (Secondary School Leaving Diploma) with grade 3 in Maths
Morocco	Diplome du Baccalaureat with an average of 14	No	Baccalauréat with 10 in Maths.
Myanmar	Successful completion of Year 2 of bachelor's degree with a minimum 65%.	No	Basic Education Standard X Examination / Matriculation Examination with grade B+ or above OR Maths taken as part of a bachelor's Degree with an overall average of 60% or above.
Nepal	School Leaving Certificate Examination (Grade XII) with a minimum GPA of 2.0 OR CTEVT Diploma with 50%	Higher Secondary School Certificate at 2.4 in Compulsory English from Grade XII	Grade X Maths at 2.4
Netherlands	NA	8 or above	
Nigeria	WAEC or NECO with 5 subjects at grade C6+	WAEC/NECO English Language with grade C6+.	WAEC/NECO C6+
Norway	NA	Mark of 4 or above	
Oman	Shahadat-al-thanawia-al-a'ama (General Secondary School Certificate) with an overall grade of 80% or above in each subject	No	Thanawiya Amma with 60%
Pakistan	Intermediate/Higher Secondary Certificate (HSC) with 60% or above. OR Diploma of Associate Engineer (DAE) - Completion of 3 years Diploma with 60% or above. OR Diploma of Commerce (DCom) - Completion of 2 years Diploma with 60%	HSC English at 65%	Intermediate / Higher Secondary Certificate with Grade C / 50% in Maths
Palestine	NA	No	General Secondary School Certificate Thanawiya with 60% in maths

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Panama	NA	No	Bachillerato / High School Graduation Diploma (Private School) with 4 in maths
Peru	Título de Profesional Técnico – Minimum score of 11	No	Bachiller/Secondary School Certificate maths grade 11
Philippines	Diploma/ Associate (2 year) with a minimum of 75%	High School Diploma (Katibayan) with grade C or above	High School Diploma (Katibayan) with grade C or above
Poland	Matura with at least 2 Extended level subjects with a minimum of 40% and 1 Basic level subject with at least 60%.	Yes (60%)	Matura with maths grade 3 (Dostateczny)
Portugal	14 in Certificado de Habilitacoes (Qualification Certificate) do Ensino Secundário / Certificado Nivel Secundario de Educacao or Concurso Nacional – (University Entrance Test) Pass With 90+ /200	No	Certificado de Habilitacoes (Qualification Certificate) do Ensino Secundário / Certificado Nivel Secundario de Educacao / Certificado de Fim de Estudos Secundários, maths grade 10 or higher
<u>Qatar</u>	General Secondary Certificate (Shahadat Al-Thanawaya Al-Aama) with 80%	No	Al-Thanawaya Al-Aama (General Secondary Education Certificate) with 60% in maths / related science subject
Romania	Diploma de Bacalaureate with an average of 7 or above (and no grade below 6)	No	Diploma de Bacalaureate with an average of 6 in maths
Russia	Certificate of Unified State Examination with 70%	No	One of the following: 60% in the Russian Unified State Exam (Единый государственный экзамен, ЕГЭ, Yediniy Gosudarstvenniy Ekzamen, EGE) OR Svidetel'stvo (Attestat) o Srednem Obrazovanii grade 3.0
Saudi Arabia	Students must have completed the Tawjihyah / grade 3 (General Secondary Education Certificate) with an overall average of 80%	No	65% or above in year 12 (General Secondary Education Certificate)
Serbia	NA	No	Secondary School Leaving Diploma with a pass in maths

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Singapore	Singapore/Cambridge GCE A level with DDD	English Language Grade C or above at Singapore/Cambridge O Level (1127/1128)	Singapore / Cambridge GCE O level Maths with Grade C
Slovakia	Maturitná skúška / Maturita OR have the Vysvedčenie O Maturitnej Skúške / Maturita with an average of 3 (dobrý/good) or above from a Stredná odborná škola or Stredné odborné učilište (Secondary and Vocational Secondary schools)	No	pass in maths in the the Maturitná skúška / Maturita
Slovenia	NA	No	pass in maths in the Maturitetno Spricevalo (Spričevalo O Splošni Maturi) OR Technical Matura OR Poklicna Matura
Somalia	NA	No	Secondary School Leaving Certificate (Shahaadada Dugsiga Sare) with 60%
South Africa	National Senior Certificate with minimum 5 passes 55% or above	Grade 5 or C or above in English Language from their National Senior or Senior Certificate.	National Senior Grade (level) 3 (From Nov 2008) or C (Standard) or above in maths
South Korea	High School School / Diploma with 80% / B	No	High School Diploma with a Pass in maths
Spain	Titulo de Bachillerato or Titulo de Technico en (subject area) with grade 6 or above	No	Bachillerato at Primero or Segundo level (years 1 or 2) with grade 5 OR Título de Graduado en Educación Secundaria Obligatoria grade 6
Sri Lanka	Sri Lankan A Levels with a minimum Grade CSS	Grade C or above from O Level in English or Grade S or above from A Level in English.	Sri Lankan General Certificate of Education (O/A level) with a Credit Pass in Maths (C/50-74%).
Sweden	NA	No	Pass in maths in Avgångsbetyg / Slutbetyg från Gymnasieskola or grade D (if post 2013) OR Slutbetyg från Grundskola grades A-C / 5-3
Switzerland	NA	No	Baccalauréat (Vaud) / Attestato di Maturità (Ticino) / Certificat de Maturité / Maturitätszeugnis with an

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			overall grade of 4 or above in a scale of 1-6 (minimum pass-mark of 4, 6 being the maximum) OR 7 and above in a scale of 1 - 10 (minimum pass-mark of 6, 10 being the maximum) OR 3 and above in a scale of 5 – 1 (minimum pass-mark of 3, 1 being the maximum)
Taiwan	NA	No	Pass in Maths at Senior High School Leaving Certificate
Tanzania	Certificate of Secondary Education (CSEE) / Secondary School Leaving Certificate with classification Division III (passes in at least 7 subjects with grades A, B or C in at least 4 subjects)	CSEE or Secondary School Leaving Certificate with Grade C or above in English	CSE (Certificate of Secondary Education) with C
Thailand	Certificate of Basic Education (Maw 6) / Senior High School with grade 2.5	No	Mathayom Suska (MAW 6 or M6) Higher Secondary School Certificate grade 2 (50%+)
Tunisia	Diplôme d'Études Supérieures de Technologie (DEST) - minimum grade of 11  Brevet de Technicien Supérieur (BTS) - minimum grade of 11	No	Tunisian Baccalaureat with a minimum of 10-11 (passable)
Turkey	Lise Diplomasi / Devlet Lise Diplomasi (High School Diploma) with 55%	No	Lise Diplomasi or Lise Bitirme Diplomasi (private High School Diploma) with GPA of 2.0+
Turkmenistan	Diploma of Vocational Education with grade 3	No	Certificate of Completed Secondary Education with grade 3 or above in Maths
UAE	General Secondary Education Certificate with 70%	No	65% in Tawjihyya (Secondary School Leaving Certificate)
Uganda	Ugandan Advanced Certificate of Education (UACE) with grade D / Average	UCE grade 1 - 6	UCE grade 1 - 6
Ukraine	NA	No	Pass in maths in Atestat pro Povnu Zagal'nu Sersdniu Osvitu (Certificate of

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			complete general secondary education)
United States of America	High School Graduation Diploma with 70% / 2.0	Yes if US national	High Schpol Graduation Diploma with grade C / 2.0
Uzbekistan	Certificate / Diploma of Academic Lyceum with 4	No	Pass/Grade 3 in Maths from the applicants To'grisida Shahodatnoma (Umumiy O'rta Ta'Lim OR O'rta Ma'lumot). Uzbekistan applicant tend to have studied a Maths related subject rather than pure Mathematics, such as Algebra or Geometry
Venezuela	NA	No	Pass in maths in Bachillerato OR Título de Técnico Medio with grades of 12 and above
Vietnam	Senior Secondary Graduation Certificate (Bằng Tốt Nghiệp Trung Học Phổ Thông) GRADE 12 with average of 7.5	No	Senior Secondary Graduation Certificate (Bằng Tốt Nghiệp Trung Học Phổ Thông) with 5 in maths
Zambia	NA	No	Zambia School Leaving Certificate / General Certificate of Education in Maths with with Grade C or above
Zimbabwe	Zimbabwe General Certificate of Education Advanced Level with D grades or National Diploma	GCE O Level/ Zimbabwe General Certificate of Education at Ordinary Level in Maths with Grade C or above	GCE O Level/ Zimbabwe General Certificate of Education at Ordinary Level in Maths with Grade C or above