



**Universiteit
Leiden**

Leiden University College
The Hague

Leiden University College The Hague

Admissions Office

admissions@luc.leidenuniv.nl

Guidelines mathematics requirements 2021-2022 Liberal Arts & Sciences: Global Challenges

All students interested in the LUC programme must have mathematics skills in order to pass the compulsory mathematics course in the first year. Check the information below to determine if you have mathematics at the minimum level required for admission.

Please note:

- The fact that a diploma and/or Mathematics level/grade is stated does not mean your mathematics skills are sufficient. This list provides minimum requirements and the Admissions Committee can always determine that an additional LUC mathematics course is required.
- Applicants who meet the mathematics requirement or still need to graduate and are likely to meet the Mathematics requirement, will have a higher chance to be selected for the programme.

Please click on the diploma name or country to go to the specific mathematics requirements.

(International) Diplomas

- VWO Diploma - Netherlands
- Cambridge or Pearson International Examinations
- Caribbean Advanced Proficiency Examination (CAPE)
- European Baccalaureate
- International Baccalaureate (IB)
- Boswell-Bèta - certificate
- US high school diploma from an international school outside the US

Foreign/national diplomas

Algeria	Denmark	Japan	Poland	Turkey
Argentina	Ecuador	Jordan	Portugal	Ukraine
Aruba	Estonia	Korea, South	Romania	United Kingdom
Australia	Finland	Latvia	Russian Federation	United States
Austria	France	Lithuania	Serbia	Venezuela
Belgium	Georgia	Luxembourg	Singapore	Vietnam
Bosnia and Herzogovina	Germany	Malaysia	Sint Maarten	
Brazil	Greece	Malta	Slovakia	
Bulgaria	Hong Kong	Mexico	Slovenia	
Canada	Hungary	Moldova	South Africa	
Chile	Iceland	Morocco	Spain	
China	India	Netherlands	Surinam	
Colombia	Indonesia	New Zealand	Sweden	
Croatia	Iran	Norway	Switzerland	
Curaçao	Ireland	Panama	Taiwan	
Cyprus	Israel	Peru	Thailand	
Czech Republic	Italy	Philippines	Tunisia	

International diplomas

VWO Diploma - Netherlands

- Wiskunde B grade 6
 - Wiskunde A grade 7
 - Wiskunde C grade 8
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Cambridge or Pearson International Examinations

- A-Level Mathematics grade B
 - AS-Level Mathematics grade B
 - Cambridge Pre-U: Mathematics grade M3 (merit 3)
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Caribbean Advanced Proficiency Examination (CAPE)

- Double unit Mathematics grade III
 - Single unit Mathematics grade III
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European Baccalaureate

- Mathematics 5 periods written examination grade 7.0
 - Mathematics 3 periods written examination grade 8.0
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International Baccalaureate (IB)

- Further Mathematics Higher Level: grade 4
 - Mathematics Higher Level: grade 4
 - Mathematics Standard Level: grade 4
 - Mathematical Studies Standard Level: grade 5

 - Mathematics Analysis & Approaches Higher Level: grade 4
 - Mathematics Analysis & Approaches Standard Level: grade 4
 - Mathematics Applications & Interpretation Higher Level: grade 4
 - Mathematics Applications & Interpretation Standard Level: grade 6
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Boswell-Bèta - certificate

VWO Mathematics A grade 7

US high school diploma from an international school outside the US

- AP Calculus AB or BC grade 4 from the College Board
- ACT Math score 28
- SAT Mathematics or SAT (subject test) Mathematics score 650

Foreign national diplomas

Algeria

Baccalauréat d'Enseignement Secondaire – National Examination Mathematics score 14

Argentina

Titulo de Bachiller in either Humanidades y ciencias sociales, Ciencias Naturales or Lenguas – Mathematics in final year score 8

Aruba

VWO Mathematics A grade 7

Australia

- Australian Capital Territory Year 12 Certificate: Mathematics major T course grade B
 - New South Wales Higher School Certificate: Mathematics unit category A Board Developed Course Band 5
 - Northern Territory Certificate of Education and Training: Mathematics stage 2 20-credit Tertiary Admissions Subject with grade B
 - Queensland Certificate of Education: Mathematics 4 semester Authority course with High Achievement (HA) grade
 - South Australian Certificate of Education: Mathematics stage 2 20-credit Tertiary Admissions Subject with grade B
 - Tasmanian Certificate of Education: Mathematics (year 12) at TQA level 3 grade B/HA
 - Victorian Certificate of Education: Mathematics pass in grade 12 unit 3 or unit 4
 - Western Australia Certificate of Education: Mathematics Year 12 ATAR/WACE course grade B
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Austria

- Reife(prüfungs)zeugnis from an Allgemeinbildende Höhere Schule: Mathematics final year score 2
 - Reife- und Diplomprüfungszeugnis from a Berufsbildende Höhere Schule: Mathematics final year score 2
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Belgium

- Getuigschrift van Secundair Onderwijs (Algemeen Secundair Onderwijs): Mathematics grade 7.0
- Diplome d'Enseignement Secondair (Enseignement Secondaire Général): Mathematics grade 7.0
- Abschlusszeugnis der Oberstufe des Sekundarunterrichts (Allgemeinbildende Unterricht): mathematics grade 7.0

Bosnia and Herzegovina

- Diploma o položenom maturalnom ispitu from a Gimnazija, Mathematics final year score 4
 - Diploma o Završenoj Srednjoj Skoli from a Gimnazija, Mathematics final year score 4
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Brazil

- ENEM Mathematics result of 600 and a high school score of 8 for mathematics
 - ACT Math score 28
 - SAT Mathematics or SAT (subject test) Mathematics score 650
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Bulgaria

Diploma Za Sredno Obrazovanie (general secondary education stream) from a Gimnazija or a Sredno obstoobrazovatelno uciliste with a national Mathematics exam with final grade of at least 5.0

Canada

- Diplome d'Etudes Collegiales – Préuniversitaire: final year mathematics 70% and subject score higher than class average
 - Ontario Secondary School Diploma: Mathematics grade 12 Pre-U course with a score of 80%
 - Alberta High School Diploma: Mathematics grade 12 S3 course score of 85%
 - British Columbia Senior Secondary Graduation Diploma: Mathematics grade 12 course score 85%
 - Manitoba High School Graduation Diploma: Mathematics awarded at grade 12 in S, G or U course score of at least 85%
 - New Brunswick High School Graduation Diploma: Mathematics grade 12 academic (level 2) course score of at least 85%
 - Newfoundland and Labrador High School Graduation Diploma with Academic Status: mathematics level 3000 (grade 12) course score of at least 85%
 - Nova Scotia High School Graduation Diploma: Mathematics grade 12 either academic (ACAD) or advanced (ADV) score of at least 85%
 - Saskatchewan Transcript of Secondary Level Achievement (grade 12): Mathematics grade 12 (level 30) course score of at least 85%
 - Yukon Certificate of Graduation: Mathematics grade 12 course score of at least 85%
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Chile

Licencia de Educación (Enseñanza) Media Humanista-Científicos, with a final year mathematics score of 6 and a score of 650 (scale: 150 to 850) for the Prueba de Selección Universitaria (PSU) mathematics exam and the Puntaje ranking.

China

Minimum GaoKao score as stated as admission requirement for subject mathematics

Colombia

Bachillerato Académico with a final year mathematics score of 4 (alto) out of 5

Croatia

Svjedodžba o (državnoj) Maturi from a Gimnazija: final year mathematics score 4 for the Matura exam higher/extended level

Curaçao

VWO Mathematics A grade 7

Cyprus

Greek part:

ΑΠΟΛΥΤΗΡΙΟ ΛΥΚΕΙΟΥ from a public school with a final national exam Mathematics score of 18

Turkish Part:

Lise Bitirme Diploması from a public school with a final year mathematics grade of 8

Czech Republic

Vysvědčení o maturitní zkoušce (general/academic subjects) from a Gymnázium: Matura exam mathematics score 'very good'

Denmark

- Bevis for Studentereksamen: Mathematics level B grade 7
 - Bevis for Høhere Forberedelseseksamen: Mathematics level B grade 7
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Ecuador

Título de Bachiller en Ciencias with a final year mathematics grade of 8.5

Estonia

Gümnaasiumi lõputunnistus and a pass on the Riigieksamitunnistus: final year mathematics grade 4 and Mathematics state exam score 70

Finland

Ylioppilastutkintodistus final year mathematics grade Magna Cum Laude Approbatur (5)

France

- Diplôme de Baccalauréate Générale: Mathématique Complémentaires year 12 (Terminale) grade 13 or Mathématique Spécialité year 12 (Terminale) grade 10
 - Diplôme de Baccalauréate Générale – option International (OIB) : Mathématique Complémentaires year 12 (Terminale) grade 13 or Mathématique Spécialité year 12 (Terminale) grade 10
 - Graduated in summer 2020 or before : year 12 (Terminale) Mathématiques grade 13
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Georgia

Secondary School Leaving Certificate (Sashualo Ganatlebis Atestasi), final year mathematics score 9

Germany

Zeugnis der Allgemeinen Hochschulreife (Abitur) from a Gymnasium: final Abitur exam Mathematics grade 10 in the written examination

Greece

ΑΠΟΛΥΤΗΡΙΟ ΓΕΝΙΚΟΥ ΛΥΚΕΙΟΥ with a final year mathematics score of 17 and a ΒΕΒΑΙΩΣΗ ΠΡΟΣΒΑΣΗΣ / ΒΕΒΑΙΩΣΗ ΣΥΜΜΕΤΟΧΗΣ with a final score for mathematics of 15

Hong Kong

Hong Kong Diploma of Secondary Education (HKDSE) with core subject Mathematics score of 5

Hungary

Gymnaziumi Érettségi Bizonyítvány: Mathematics Advanced Level grade 4

Iceland

Studentprof from a Mentaskoli: Mathematics final year grade 7.5

India

- All India Senior School Certificate (CBSE) Mathematics final year score 70% and a Positional grade of A2
 - Indian School Certificate (CISCE) Mathematics final year score 70% and a Positional grade of A2
 - Senior Secondary Certificate (NIOS) Mathematics final year score 80%
 - Higher Secondary Certificate (State Boards) Mathematics final year score 80%
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Indonesia

Surat Tanda Tamat Belajar: Sekolah Menengah Atas (STTB: SMA) and passing the Surat Hasil (Keterangan) Ujian Nasional (S(K)HUN), both with a final score of 8.0 in mathematics

Iran

High School Diploma - Theoretical Stream (Nazari - from 2019) or Pre-University Certificate (before 2019): final year mathematics score of 15

Ireland

Leaving Certificate: Mathematics Higher Level grade H3

Israel

Te'udat Bagrut with at least three general, academic subjects: unit level 4 or 5 Mathematics with grade 90%

Italy

Diploma di Superamento Dell 'Esame di Stato Conclusivo from a Liceo Classico, Liceo Scientifico, Liceo Linguistico, from a Liceo delle Scienze Humane, a Liceo delle Scienze della Formazione, or from a Istituto Magistrale: final year mathematics grade 7

Japan

Upper Secondary School Leaving Certificate (Senior High School diploma) in the general/academic stream: Final year Mathematics score of 4 (out of 5)

Jordan

Certificate of General Secondary Education (*tawjili* exam) from an academic school in the Literary or Science stream: final year mathematics percentage 80%

Korea, South

Graduation Diploma from an Academic or Special Purpose High School with a mark of A (or rank 2 out of 9) in Mathematics, and a CSAT Stanine score of 1-3 in Mathematics

Latvia

Atestāts par vispārējo vidējo izglītību: state examination mathematics score 50%

Lithuania

Brandos Atestatas from a Gimnazija or Licejus: state examination A-Level Mathematics grade 80%

Luxembourg

Diplôme de fin d'Etudes Secondaires - Général from a Lycée Classique : final year mathematics score 44

Malaysia

- Sijil Tinggi Persekolahan Malaysia with principle pass: mathematics grade B
 - Matriculation Certificate (Matrikulasi) with principle pass: mathematics grade B
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Malta

Matriculation Certificate from the University of Malta: final year mathematics grade B

Mexico

Bachillerato General – Preparatoria with a final year score of 9.0 for mathematics and an Examini II score of 1200 for matemático

Moldova

Diplomă de Bacalaureat in the streams (profilul): science (*real*), humanities (*uman*), bilingual studies (*bilingv*), and economics (*economic*): a result of 9.0 in the Bacalaureate exam Mathematics

Morocco

- Attestation du Baccalauréat, Série: Lettres (Modernes / Originelle): National Examination mathematics score 14
 - Attestation du Baccalauréat, Série: Sciences (Expérimentales / Mathématique / Originelle): National Examination mathematics score 14
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Netherlands

- Mathematics course in first year at WO level with a grade 7.0. You can also meet the mathematics requirement based on your secondary education. Check the country/diploma for the minimum requirements applicable to your situation.
 - Mathematics at HBO level is considered case by case. You can also meet the mathematics requirement based on your secondary education. Check the country/diploma for the minimum requirements applicable to your situation.
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New Zealand

National Certificate in Educational Achievement Level 3: Mathematics Educational Achievement Level 3 with Excellence Endorsement

Norway

Vitnemal fra den Videregaende skolen - Specialisation in General Studies (Studiespecialisering): Mathematics final exam subject grade 4

Panama

Bachiller en Ciencias y Letras from an Enseñanza General: final mathematics score of 4.5 (> 90%)

Peru

Certificado Oficial de Estudios de Educación Secundaria in a general stream: final year mathematic grade of 16 ('Muy Bueno' - very good)

Philippines

High school level mathematics insufficient for admission. Only relevant university Bachelor diplomas and mathematics on university level may be considered for admission

Poland

Swiadectwo Ukonczenia Liceum Ogolnoksztalcacego and a Swiadectwo Dojrzałości from the Okregowa or the Centralna Komisja Egzaminacyjna: written exam subject Advanced/Extended level mathematics score 60%

Portugal

Diploma or Certificado Nivel Secundário Educação in the Cursos Científicos Humanísticos stream (no Artes Visuais), an official Certidão (de Habilitações): final year mathematics score of 15 and mathematics national (entrance) exam on the Classificações para Acesso ao Ensino Superior (ENES)

Romania

Diplomă de Bacalaureate - Filiera Teoretică (theoretical track): final exam mathematics in final year score 9

Russian Federation

Attestat o Srednem (polnom) Obshchem Obrazovanii: a score of 5 in mathematics or a score of 70 for mathematics in the Yediniy gosudarstvenniy ekzamen (EGE)

Serbia

Diploma o stecenom srednem obrazovanju from a Gimnazije: final year mathematics grade 4

Singapore

H2 or H1 Singapore-Cambridge GCE A-level in mathematics grade B

Sint Maarten

VWO mathematics A grade 7

Slovakia

Vysvedcenie o Maturitnej Skúske (general/academic subjects) from a Gymnázium: mathematics on Matura exam result 65% and high school mathematics result 3

Slovenia

Spričevalo o Splosni Maturi from a Gimnazia: final year mathematics grade 4

South Africa

National Senior Certificate (UMALUSI or IEB): final mathematics score of 75% (Mathematical literacy is not accepted)

Spain

Bachillerato (Titulo de Bachiller): score of 7.5 for mathematics and the university
PAU/EBAU/EvAU mathematics exam score of 7.5

Surinam

VWO mathematics 1 grade 7

Sweden

- Avgångsbetyg / Slutbetyg från gymnasiskolan: mathematics 2 (B) score C/VG
 - Examensbevis Högskoleförberedande Examen: mathematics 2 (B or C) score C/VG
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Switzerland

- Attestato di Maturità from the Confederazione Svizzera, final year mathematics grade 5.0
 - Maturitätszeugnis from the Schweizerische Eidgenössenschaft, final year mathematics grade 5.0
 - Certificat de Maturité from the Confédération Suisse, final year mathematics grade 5.0
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Taiwan

Senior High School Diploma (academic, not vocational): mathematics result 85% and a GSAT mathematics score of 61

Thailand

Certificate of Secondary Education (Maw 6): mathematics score 3.5

Tunisia

Diplôm du Baccalauréat: final year mathematics grade of 14

Turkey

Lise Diploması from a Genel Lise: final year mathematics score 85%

Ukraine

Atestat pro Povnu Zagal'nu Sersdniu Osvitu: final mathematics score of 10 (out of 12) and a score of 10 for mathematics on the Independent External Examination

United Kingdom

England:

- A-Level Mathematics grade B
- AS-Level Mathematics grade B

Scotland:

Scottish Qualification Certificate: Mathematics Highers or Advanced highers grade B

Wales:

Welsh Baccalaureate Advanced Diploma: A-levels Mathematics grade B

United States

- AP Calculus AB or BC grade 4 from the College Board
 - ACT Math score 28
 - SAT Mathematics or SAT subject test Mathematics score 650
 - Regents Diploma (7 exams): Advanced Designation Mathematics score of 85%
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Venezuela

Título de Bachiller – Educación Media General (Título de Bachiller en Humanidades or a Título de Bachiller en Ciencias): final year mathematics score of 16

Vietnam

Bằng Tốt Nghiệp Phổ Thông Trung Học (Upper Secondary School Graduation Diploma): mathematics score of 8 in the national examinations