

Entry requirement for Physics, Theoretical Physics and Astrophysics degree Programmes

For A Levels students, the entry requirement ranges from AAA to AAB with an A in Maths and an A in Physics. There is an additional requirement of a B in Further Maths for candidates wishing to apply for the Theoretical Physics Degrees. Some of the international equivalents of these A Levels grades can be found by clicking on the countries below:

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International Baccalaureate (IB) Diploma

AAA	International Baccalaureate Diploma with 38 points overall, and a combined score of 18 achieved in three higher level subjects.
AAB	International Baccalaureate Diploma with 36 points overall, and a combined score of 17 achieved in three higher level subjects.

A-level grade	Individual subject grade equivalent
A*	7 at higher level
A	6 at higher level
B	5 at higher level

The maximum score achievable is 45 (6 subjects x 7 points plus up to three bonus points).

English Language Proficiency Requirement:

Standard level: For native or near-native speakers:

IB Language A1 at either higher or standard level - grade 4 IB Language A2 at either higher or standard level - grade 4

For non-native speakers:

IB Language B at higher level - grade 4

IB Language B at standard level - grade 6

Austria

We require the *Reifeprüfung* or *Matura* from *Allgemeinbildende Höhere Schulen*. **Entrance**

requirements

A-level grades	Equivalent
AAA	Overall average of 1.4 in examination subjects, with at least three subjects at grade 1.
AAB	Overall average of 1.6 in examination subjects, with at least two subjects at grade 1 and one at grade 2.

Subject grade	Equivalent (5 min – 1 max)
A*	1 (sehr gut)
A	1 (sehr gut)
B	2 (gut)

English Language Proficiency Requirement

2 (gut) in English when both the written and oral *Reifeprüfung/Matura* examinations in the subject have been taken.

Brazil

Applicants must successfully complete *two years of the Bacharel/Licenciado/Professional title* at a Brazilian university recognised by UCL, with an average of 7/10 (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Belgium

We require the *Certificat d'Enseignement Secondaire Supérieur (CESS)* or *Diploma van Secundair Onderwijs*.

Entrance requirements

A-level grades	Equivalent
AAA	Overall grade of 87.5
AAB	Overall grade of 85.0
Subject grade	Equivalent

A*	9.5
A	9.0
B	8.5

English Language Proficiency Requirement

The equivalent of 8.0 or 80% (“grote onderscheiding”/“avec grande distinction”) in English as a subject in the Diploma van Secundair or the CESS.

Canada

We require one of the following: *Alberta High School Diploma; British Columbia Senior Secondary Graduation Diploma; Manitoba High School Graduation Diploma; New Brunswick High School Graduation Diploma; Newfoundland Grade 12 High School Diploma; North West Territories General High School Diploma; Nova Scotia High School Completion Certificate; Nunavut General High School Diploma; Ontario Secondary School Diploma (Advanced Level); Prince Edward Island High School Graduation Diploma; Quebec Diplome d’Etudes Collegiales (DEC) / Diploma of Collegial Studies (DCS); Saskatchewan Grade 12/Division IV Standing subjects; Yukon Senior Secondary Graduation Diploma.*

Entrance requirements

A-level grades	Equivalent
AAA	<p>Alberta High School Diploma with 90% in at least five acceptable grade 12 subjects.</p> <p>British Columbia Senior Secondary Graduation Diploma with 90% in at least five acceptable grade 12 subjects.</p> <p>Manitoba High School Graduation Diploma with five credits at the 300 level in at least four grade 12 subject areas, provided that at least 90% is achieved in each of those subjects.</p> <p>New Brunswick High School Graduation Diploma with 90% in at least five acceptable grade 12 subjects.</p> <p>Newfoundland Grade 12 High School Diploma with 90% in at least five acceptable grade 12 subjects.</p> <p>North West Territories General High School Diploma with 90% in at least five acceptable grade 12 subjects.</p>
	<p>Nova Scotia High School Completion Certificate with 90% in at least five acceptable level 5 (Honours University Preparatory) subjects or level 4 (University Preparatory) subjects.</p> <p>Nunavut General High School Diploma with 90% in at least five acceptable grade 12 subjects.</p> <p>Ontario Secondary School Diploma with 90% in at least six grade 12 <i>U</i> (University) or <i>M</i> (University/College) courses.</p> <p>Prince Edward Island High School Graduation Diploma with 90% in at least five acceptable grade 12 subjects.</p> <p>Quebec Diplome d’Etudes Collegiales (DEC) / Diploma of Collegial Studies (DCS) with 90% overall.</p> <p>Saskatchewan Five Grade 12/Division IV Standing subjects with 90%.</p> <p>Yukon Senior Secondary Graduation Diploma with 90% in at least five acceptable grade 12 subjects.</p>
AAB	<p>Alberta High School Diploma with 86% in at least five acceptable grade 12 subjects.</p> <p>British Columbia Senior Secondary Graduation Diploma with 86% in at least five acceptable grade 12 subjects.</p> <p>Manitoba High School Graduation Diploma with five credits at the 300 level in at least four grade 12 subject areas, provided that at least 86% is achieved in each of those subjects.</p> <p>New Brunswick High School Graduation Diploma with 86% in at least five acceptable grade 12 subjects.</p>

Newfoundland Grade 12 High School Diploma with 86% in at least five acceptable grade 12 subjects.
North West Territories General High School Diploma with 86% in at least five acceptable grade 12 subjects.
Nova Scotia High School Completion Certificate with 86% in at least five acceptable level 5 (Honours University Preparatory) subjects or level 4 (University Preparatory) subjects.
Nunavut General High School Diploma with 86% in at least five acceptable grade 12 subjects.
Ontario Secondary School Diploma with 86% in at least six grade 12 *U* (University) or *M* (University/College) courses.
Prince Edward Island High School Graduation Diploma with 86% in at least five acceptable grade 12 subjects.
Quebec Diplôme d'Études Collégiales (DEC) / Diploma of Collegial Studies (DCS) with 86% overall.
Saskatchewan Five Grade 12/Division IV Standing subjects with 86%.
Yukon Senior Secondary Graduation Diploma with 86% in at least five acceptable grade 12 subjects.

China (People's Republic)

Applicants must successfully complete *two years of the Bachelor Degree* (学士学位) at a Chinese university recognised by UCL, with an average of: B+, 85% or a Cumulative GPA of 3.45/4.060% if it is a top 50 institution; B+, 85% or a Cumulative GPA of 3.45/4.0 if it is a specialist institution; or A, 90% or a Cumulative GPA of 3.6/4.0 if it is a non-top 50 institution (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Cyprus (Greek and Turkish Sectors)

We require the *Apolytirion of Lykeio* for applicants from the Greek Sector, or successful completion of *one year of a Bachelor Degree* for applicants from the Turkish sector.

Entrance requirements

Please refer to the entries for Greece and Turkey as relevant.

English Language Proficiency Requirement

An English language qualification recognised by UCL is required.

Czech Republic

We require the *Maturitni Zkouška/Maturita*

Entrance requirements

A-level grades	Equivalent
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AAA	<i>Maturita with an overall average of 1.30</i>
AAB	<i>Maturita with an overall average of 1.50</i>
Subject grade	Equivalent
A*	1 vyborny (excellent)
A	1 vyborny (excellent)
B	2 chvalitebny (very good)

English Language Proficiency Requirement

An English language qualification recognised by UCL is required

Denmark

We require the *Studentereksamen* or *Højere Forberedelseseksamen*

Entrance requirements

A-level grades	Equivalent
AAA	Overall average of 10 with high level subjects at 10,10,10
AAB	Overall average of 10 with high level subjects at 10,10,7

Subject grade	Equivalent (on the 7 point grading system)
A*	12 at high level (A)
A	10 at high level (A)
B	7 at high level (A)

English Language Proficiency Requirement

A recognised English language qualification is required.

Egypt

Applicants must successfully complete *two years of a Bachelor degree* at an Egyptian university recognised by UCL, with an average of 3.3/4.0 or 'Very Good' (equivalent of 2.1). However, it should be noted that this information may not be available until the degree is completed and classified.

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

European Baccalaureate

We require the *European Baccalaureate*.

Entrance requirements

A-level grades	Equivalent
AAA	Award of European Baccalaureate with 85.0% overall
AAB	Award of European Baccalaureate with 80.0% overall

Subject grade	Equivalent
A*	9
A	8.5
B	8

English Language Proficiency Requirement

8 in English as either an Obligatory Subject (Language I or II) or as a Full Option (Language III or IV).

France

We require the *Baccalauréat*. Either the *Baccalauréat Général* or *Baccalauréat avec Option Internationale*.

Entrance requirements

A-level grades	Equivalent
AAA	15 overall
AAB	14 overall

A-level grades	Equivalent
A*	17
A	15
B	13

English Language Proficiency Requirement

In the Baccalaureat General, 13 (assez bien) in English, where the co-efficient applied to the subject is greater than 1.

Germany

We require the *Zeugnis der Allgemeinen Hochschulreife (Abitur)*.

Entrance requirements

A-level grades	Equivalent
AAA	<i>Zeugnis der Allgemeinen Hochschulreife (Abitur)</i> with 1.4 overall and two LK subject marks of 13 (sehr gut)
AAB	<i>Zeugnis der Allgemeinen Hochschulreife (Abitur)</i> with 1.5 overall and two LK subject marks of 13 (sehr gut)

Subject grade	Equivalent
A*	LK of 14 (sehr gut)
A	LK of 13 (sehr gut)

B	LK of 12 (sehr gut)
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English Language Proficiency Requirement

12 (gut) in English when taken as an achievement/ main/intensive course.

Greece

We require the *Apolytirion of Lykeio*.

Entrance requirements

A-level grades	Equivalent
AAA	Apolytirion of Lykeio with 19.0 and two additional A-levels at grades AA
AAB	Apolytirion of Lykeio with 19.0 and two additional A-levels at grades AB

Subject grade	Equivalent
A*	A* at A-level
A	A at A-level
B	B at A-level

English Language Proficiency Requirement

English components of the *Apolytirion of Lykeio* are not acceptable for the purpose of UCL's English language proficiency requirement. Recognised qualification required.

Hong Kong

We require the *Hong Kong Diploma of Secondary Education (HKDSE)* or the *Hong Kong Advanced Level Examinations (HKALE)*.

Entrance requirements

A-level grades	Equivalent
AAA	<p>HKDSE: Hong Kong Diploma of Secondary Education (HKDSE) with level 5 in English Language and Mathematics (compulsory unit), and level 3 in Chinese and Liberal Studies. Level 5 will be required in 3 elective subjects. Level 5* is required for the compulsory Mathematics element and a minimum of level 5 for the extended algebra and calculus extended element (the calculus and statistics extended component will not be acceptable for these subjects).</p> <p>HKALE: Hong Kong Advanced Level Examinations (HKALE) Science/Mathematics subjects, grades AAB</p>
AAB	<p>HKDSE: Hong Kong Diploma of Secondary Education (HKDSE) with level 5 in English Language and Mathematics (compulsory unit), and level 3 in Chinese and Liberal Studies. Level 5 will be required in 3 elective subjects. Level 5* is required for the compulsory Mathematics element and a minimum of level 5 for the extended algebra and calculus extended element (the calculus and statistics extended component will not be acceptable for these subjects).</p> <p>HKALE: Hong Kong Advanced Level Examinations (HKALE) Science/Mathematics subjects, grades ABB</p>

Subject grade	Equivalent
A*	HKDSE: Level 5* HKALE: A
A	HKDSE: Level 5 HKALE: A
B	HKDSE: Level 5 HKALE: B

English Language Proficiency Requirement

• Hong Kong Certificate of Education English Language (Standards-referenced Reporting scheme) pass at grade 3 (for undergraduate Laws admission, pass at grade 4). Since 2007 the grading system is on a scale of 1 to 5*, where 5* is the maximum mark (equating to A* at IGCSE level), 5 = A, 4 = B, 3 = C, and 1 = U.

• Hong Kong Examinations Authority (HKEA) Advanced Level Use of English pass at grade C (for undergraduate Laws admission, pass at grade B) is acceptable. The HKEA AS Level Use of English is not acceptable.

Hungary

We require the *Erettsegi/Matura*. **About the qualification**

Entrance requirements

Erettesgi/Matura: Mark of 5 in all subjects, including two at advanced/higher level with 65% or above

Subject grade	Equivalent (1 min – 5 max)
A*	5 – jeles/excellent (90% or above at standard level, 75% or above at advanced/higher level)
A	5 – jeles/excellent (80% or above at standard level, 60% or above at advanced/higher level)
B	4 – jó/good (60-79% at standard level, 47-59% at advanced/higher level)

English Language Proficiency Requirement

An English language qualification recognised by UCL is required.

India

The following are acceptable for entrance to UCL:

- The Year 12/Standard 12 Indian School Certificate, with 90% or above when awarded from CISCE or CBSE. No other examination board qualification would be acceptable.
- Applicants must successfully complete one year of a Bachelor Degree at an Indian university recognised by UCL, with an average of 75% or the First Class/Division (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Indonesia

Applicants must successfully complete *two years of a Sarjana S1 degree* at an Indonesian university recognised by UCL, with an average of 3.3/4 (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Italy

We require the *Diploma di Esame di Stato*.

Diploma di Esame di Stato with 91 overall including 14 in the Mathematics written paper, and 10 in final year grades for Physics.

Entrance requirements

A-level grades	Equivalent
AAA	93
AAB	91

English Language Proficiency Requirement

English component of the Diploma di Esame di Stato is not acceptable for the purpose of UCL's English language proficiency requirement. Recognised qualification required.

Norway

We require the *Vitnemål fra den Videregående Skole (Certificate of Upper Secondary Education)*.

Entrance requirements

A-level grades	Equivalent
AAA	Award of the Vitnemål fra den Videregående Skole with an average of 5.0 in the common core subjects and grades 5,5 in two relevant final year subjects.
AAB	Award of the Vitnemål fra den Videregående Skole with an average of 4.7 in the common core subjects and grades 5,5 in two relevant final year subjects.

Subject grade	Equivalent (0 min – 6 max)
A*	6 (very rare – achieved by only 5% of students)
A	5
B	4

English Language Proficiency Requirement

Grade 5 in English as a subject in the Vitnemål fra den Videregående Skole. English Language at Vitnemål fra Grunnskolen (GCSE equivalent) level is **not** acceptable.

Pakistan

Applicants must successfully complete a *Bachelor of Science* at a Pakistani university recognised by UCL, with an average of 75% or CGPA of 3.7/4.0 (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Panama

Applicants must successfully complete *two years of a Licenciado/Professional Title* at a Panamanian university recognised by UCL, with an average of 91% (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Paraguay

Applicants must successfully complete *one year of a Título de Licenciado/Professional Title* at a Paraguayan university recognised by UCL, with an average of 4.5/5 (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Peru

Applicants must successfully complete *two years of a Título de Licenciado/Professional Title* at a Peruvian university recognised by UCL, with an average of 17/20 (equivalent of 2.1).

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Poland

We require the *Swiadectwo Dojrzałości / Matura*. **Entrance requirements**

A-level grades	Equivalent
AAA	Matura with at least 3 subjects passed at Extended Level with 86%
AAB	Matura with at least 3 subjects passed at Extended Level with two at 86% and one at 72%

Subject grade	Equivalent
A*	91% (or 6/6 in pre-2005 Matura)
A	86% (or 6/6 in pre-2005 Matura)
B	72% (or 5/6 in pre-2005 Matura)

English Language Proficiency Requirement A recognised qualification is required.

Singapore

Entrance requirements:

- SIPCAL: AAB at Singapore/Cambridge A-level, to include Mathematics and Physics.
- NUS: NUS High School of Mathematics and Science Diploma awarded with a GPA of 4.0/5.0, to include 4.1 in Physics and Mathematics

English Language Proficiency Requirement

Singapore/Cambridge GCE O level English Language, pass at grade 6. Students who have studied on the Integrated Programme (IP) or at the NUS High School of Mathematics and Science do not require a recognised qualification.

Spain

We require the *Titulo de Bachillerato*. **Entrance requirements**

A-level grades	Equivalent
AAA	Titulo de Bachillerato with 9.0 overall
AAB	Titulo de Bachillerato with 8.7 overall

Subject grade	Equivalent
A*	10 in the subject studied in year 2.
A	9 in the subject studied in year 2.
B	8 in the subject studied in year 2.

English Language Proficiency Requirement

English component of the Bachillerato or the Selectividad is not acceptable for the purpose of UCL's English language proficiency requirement. Recognised qualification required.

Taiwan

Applicants must successfully complete *two years of a Bachelor Degree* at a Taiwan university recognised by UCL, with an average of roughly:

- 80%, A or 3.3/4.0 GPA from a National University or Group C institution
- 90%, or CGPA of 3.6/4.0 from a Group B institution

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

Turkey

The school leaving qualification from Turkey is not acceptable as an entrance qualification to UCL, as it is broadly comparable to UK GCSE/AS-level. Applicants must successfully complete one year of a Lisans Diploması (Bachelor Degree) at a Turkish university recognised by UCL, with an average of 3.3/4.0 CGPA (equivalent of 2.1).

United Arab Emirates (UAE)

Applicants must successfully complete *two years of a Bachelor Degree* at a UAE university recognised by UCL. A CGPA of 4.0/4.0, A or 90% is required from a recognised public institution, or recognised private institution where the programme has been accredited by the Commission for Academic Accreditation. A CGPA of 3.3/4.0 is required from the American University in Dubai where the programme has been accredited by the Commission for Academic Accreditation.

English Language Proficiency Requirement

One of the English Language qualifications recognised by UCL is required.

United States of America

We require one of the following:

- Advanced Placement (AP) examinations 5,5,4,4,4 in five AP subjects, taken in the final two years of high school including 5 in Maths and Physics.
- or
- High School Graduation Diploma plus SAT I with a minimum score of 1950/2400 or an ACT of 29 in the Composite Score and 29 in the Combined English/Writing Score. In addition the successful completion of one year of study at a recognised US university, Community or Junior College is required, with an overall CGPA of 3.3/4.0 (equivalent to a 2.1).

Vietnam

Applicants must successfully complete *two years of a Bang Tot Nghiep Dai Hoc/Bachelors degree* at a Vietnamese university recognised by UCL, with an average of 90% (equivalent of 2.1).

English Language Proficiency Requirements

English Language Tests accepted by UCL

Where a choice is available, UCL recommends that applicants take either the GCSE in English language or the International English Testing System (IELTS) Academic qualification. All test results must be dated within two years of the intended start date of the programme.

Test	UCL Scores Required
Cambridge Certificate of Advanced English	Standard level: Pass at grade B.
Cambridge Certificate of Proficiency in English	Standard level: Pass at grade C.
Cambridge English Language 1119	Standard level: Pass at grade 6.
Cambridge International Examinations (CIE) GCE Ordinary Level in English Language	Standard level: Pass at grade C.
City & Guilds (previously Pitman Examination in International ESOL)	Standard level: Pass at Mastery level when achieved with a pass at Mastery level in the Pitman International Spoken (ISESOL) test.
GCSE English Language	Standard level: Pass at grade C.

International English Language Testing System (IELTS) Academic	Standard level: Overall grade of 6.5 with a minimum of 6.0 in each of the subtests.
International General Certificate of Secondary Education (IGCSE): English as a Second Language, Syllabus 0510	Standard level: Pass at grade C.
Test of English as a Foreign Language (TOEFL)	Internet-based version Standard level: Score of 92, plus 24/30 in the reading and writing subtests and 20/30 in the listening and speaking subtests.
UCL Language Centre – Diploma in English for Academic Purposes with Academic Research Skills	Standard level: Overall mark of 65% with at least 60% in each of the sub-tests.
UCL Language Centre – Pre-sessional English Language Courses	Standard level: Mark of 65%, with at least 60% in each of the subtests.