

Admission Requirements

Molecular Life Sciences BSc programme

study year 2025-2026

General Information

Prerequisite for being admissible to this programme is that the level of your secondary school diploma is (at least) equivalent to the Dutch “vwo”- diploma*.

In this document, you will find the requirements for the most frequently obtained diplomas that are evaluated on vwo-level. If your diploma is not mentioned on one of the following pages, it may be because its level is not equivalent to the Dutch vwo-diploma. To make sure, please send an email to the International and Admissions Office of the Faculty of Science (admissionsforbachelors@science.ru.nl), to find out more about your specific situation.

Once it is established that the level of your secondary school is sufficient, the following may apply: Requirements regarding school- and/or exam profiles, as well as course and/or grade requirements regarding specific subjects (usually from the field of Science; Mathematics, Physics, Chemistry and/or Biology), may have been set.

In some cases, the Board of Examiners may ask for an additional exam in one (or more) of the Science subjects. Such an additional exam is intended to eliminate deficiencies in a limited number of subjects only, and not to compensate for any possible difference in level of diploma, nor to make up for an insufficient grade for the subject in question in your regular high school diploma.

SAT's are not taken into consideration for admission purposes by the Faculty of Science.

Further additional requirements may be set.

If your diploma does not meet the requirement of being (at least) equivalent to vwo, your application will not be taken into consideration. Pre-university years, (college) prep years, foundation programmes, or any other programme that is meant to upgrade an insufficient level of secondary education to vwo-level will also not be taken into consideration.

If your diploma is not evaluated as being (at least) equivalent to vwo-level, high grades on such a lower level diploma do not compensate for that difference in level.

The Board of Examiners assesses the eligibility of all applications on an individual basis and, acting in the applicant's best interest, may deviate from these requirements at its own discretion.

Meeting our admission requirements is mandatory. They reflect the basic level of knowledge necessary to study this programme, and are not considered to be suggestions.

All (additional) conditions for admission must be fully satisfied before the start of the programme.

We highly appreciate academic integrity. Therefore, in case of (suspected) fraudulent behavior regarding any aspect of the application procedure, we expressly reserve the right to immediately reject the suspect application. The candidate whose application was rejected because of (suspicion of) fraudulent behavior will be barred from future applications at Radboud University.

Although this document was compiled with the utmost care and consideration and should be free from errors, the accuracy and completeness of the provided information cannot be guaranteed, its content therefore is not legally binding.

* <https://www.nuffic.nl/en/education-systems/the-netherlands/primary-and-secondary-education#vwo-diploma>

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Country and Diploma Specific Information

Albania

Required diploma:

- Diplomë e Maturës Shtetërore

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Albanian, Mathematics and 2nd language + elective Physics must have been taken in the Matura exams.
- Chemistry must be taken up to and including the final year in high school. For Chemistry, an additional certificate (CCVX/Boswell) is needed.

Grade requirements:

- GPA in final year of at least 7 out of 10, with grades for relevant subjects at least 7 out of 10.
- GPA in the Matura-exam least 8 out of 10, with grades for relevant subjects at least 8 out of 10.

Algeria

Required diploma:

- Baccalauréat de l'Enseignement Secondaire / شهادة بكالوريا التعليم الثانوي
- Having completed the first year of university education in Chemistry.
- Additional certificates in Physics, Chemistry and Mathematics must be obtained.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Aruba

Required diploma:

- Diploma Voorbereidend Wetenschappelijk Onderwijs (VWO)

Required subjects:

- Chemistry, Mathematics B and Physics.

Australia

Required diploma:

- All states/territories (except Queensland); Certificate of Education + ATAR (Australian Tertiary Admission Rank) (all states/territories, except Queensland)
- Certificate of Education + OP (Overall Positions) (Queensland)

Subject requirements:

- Mathematics, Physics and Chemistry in pre-university curriculum in Secondary School

Grade requirements:

- ATAR \geq 85.
- OP bands/score 1 to 7

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Austria

Required diploma:

- Reifezeugnis or Reifeprüfungszeugnis from a Gymnasium or Realgymnasium.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- In case of 5 subjects in the Reifeprüfung - Mathematics, Physics and Chemistry must have been taken in the Reifeprüfung
- In case of 4 subjects in the Reifeprüfung - Physics must be in the Reifeprüfung, Chemistry must have been taken throughout the Oberstufe.

Grade requirements:

- Grades for relevant subjects must be 2 or higher in both Reifeprüfung and Oberstufe.
- Grades for all other subjects in the Reifeprüfung must be 3 or higher.

Bangladesh

Required diploma:

- High school plus 2 years Bachelor (passed) at university Chemistry.

Subject requirements:

- Chemistry, Mathematics and Physics should be taken in high school

Grade requirements:

- All high school grades must be First Division (60.00–100.00)
- The University's Transcript of Records must list passing grades or above.

Belgium

Required diploma:

- Diploma van secundair onderwijs or Certificat d'enseignement secondaire supérieur.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- All relevant subjects must have been taken in the final exam.

Grade requirements:

- All grades must be at least 6 or 60%.

Bosnia and Herzegovina

Required diploma:

- Diploma o položenom maturskom ispitu/Diploma o završenoj srednjoj školi/ Diploma o završenoj gimnasiji

Subject requirements:

- Chemistry and Physics should be taken as the two elective subjects next to the general exam.

Grade requirements:

- All grades should be "Very good" or "Excellent"

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Brazil

Former education requirements:

- Certificado de Conclusão do 2º Grau *or* Certificado de Conclusão de Ensino Médio.
- 1 year of academic education in Chemistry.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.

Grade requirements:

- Medio Superior, Bom or Superior/Excelente in the ENEM (Exame Nacional do Ensino Médio) for the relevant subjects and in the first academic year of Chemistry.

Bulgaria

Required Diploma:

- Diploma za Sredno Obrazovanie, academic stream, Natural Sciences or Mathematics profile. If another profile is indicated, or there is no indication at all, the application will not be taken into consideration.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Physics and Chemistry must be in the Matura, both on advanced level.

Grade requirements:

- Overall GPA of the final year as well as in the Matura should be at least 5 out of 6, grades for the relevant subjects must be 6 out of 6, both in the final year as in the Matura.

Cameroon

Required certificates and education:

- General Certificate of Education Ordinary Level (at least including Physics, Mathematics and Chemistry) and Advanced Level (at least including Physics and Mathematics).
- One year of university education in Chemistry.
- Additional certificates in Chemistry, Mathematics and Physics must be obtained.

Grade requirements:

- A or B for at least 6 O-levels.
- A or B for at least 3 A-levels.
- Passes for all other A-levels.
- The University's Transcript of Records must list passing grades or above.

Canada

Required diploma:

- Secondary School diploma with the STEM pathway. For admission purposes we may look into university high school rankings.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- All relevant subjects must be on University level.

Grade requirements:

- The GPA and all grades for the relevant subjects must be above 75%.

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Caribbean

Required diploma:

- CAPE (Caribbean Advanced Proficiency Exam), awarded by CXC (Caribbean Examination Council).

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.

Grade requirements:

- All relevant subjects must be two units and must have been passed.
- At least 4 subjects of 2 units must have been passed.

China

Required certificates:

- Senior middle school graduation certificate (Gaozhong) + national entrance examination (Gaokao).

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- All relevant subjects must have been taken in the Gaokao with relatively high sub scores.

Grade requirements:

- Gaokao score of minimum 550 (from a maximum of 750) for Beijing Region. For other regions other scores may apply.

Croatia

Required diploma:

- Svjedodzba o drzavnoj maturi from a Gymnazijum with at least 5 subjects in the Matura.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- Mathematics (A-level), Physics and Chemistry must be in the Matura.

Grade requirements:

- All grades in the final year (including those for the Matura) must be at least 4 out of 5.

Curaçao, St. Maarten and the BES-Islands

Required diploma:

- Diploma Voorbereidend Wetenschappelijk Onderwijs (VWO)

Required subjects:

- Chemistry, Mathematics B and Physics.

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Cyprus

Required diploma:

- Apolytirio, Natural Sciences specialization.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Physics and Chemistry must be examined.
- Mathematics may but does not need to be examined. If not examined it must be taken up to and including the final year.

Grade requirements:

- GPA must be at least 17.
- Grades for the relevant subjects must be 18 or higher.

Czech Republic

Required diploma:

- Vysvědčení o maturitní zkoušce obtained at a Gymnázium.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- Mathematics + elective Chemistry + elective Physics must be in the matura.

Grade requirements:

- Relevant subjects must have grade 1 or 2.
- No more than a total of 9 points for 4 matura subjects (11 points if a 5th matura subject is taken).

Denmark

Required diploma:

- Studentereksamenbevis or Bevis for Højere Forberedelseksamen.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- All 3 relevant subjects must have been taken in the Natural Science cluster on A-level.

Grade requirements:

- All grades should be 7 or higher.

Estonia

Required diploma:

- Gümnaasiumi Lõputunnistus.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- The final exam must have at least 5 subjects, including the relevant subjects.
- For Mathematics the version Lai Matemaatika with at least 14 courses is compulsory.

Grade requirements:

- Grades for the relevant subjects must be 4 (B) or higher
- Grades for all other subjects must be 3 (C) or higher.

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European Baccalaureate

Required diploma:

- European Baccalaureate

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics, Physics, all of which must have been taken in the written exams.
- Mathematics (5 periods) is compulsory.

Grade requirements:

- All relevant subjects must have at least a passing grade (5).

Finland

Required diploma:

- Ylioppilastutkintotodistus/Studentexamensbevis.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- Compulsory in matriculation: Mathematics and General Studies.
- Compulsory in final year: Chemistry and Physics.

Grade requirements:

- Matriculation grades at least 4 (out of 7), or C, M, E, or L.

France

Required diploma:

- Diplôme du baccalauréat général.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Compulsory specialties in year 11 and 12: Mathematics (Spécialité) + Physics/Chemistry.

Grade requirements:

- Grades for all relevant subjects should be at least 12/20 in the final year and the final examinations.

No English proficiency test needed when the OIB (Option International Baccalaureate) is taken.

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Germany

Required diploma:

- Zeugnis der allgemeinen Hochschulreife.

Subject requirements:

- Chemistry (Lk) and Mathematics (Lk/Gk) as "Prüfungsfächer".
- Either Physics or Biology must be taken up to and including the final year of High School and can (but need not be) taken in the Abitur.

OR

- Physics (Lk) and Mathematics (Lk/Gk) as "Prüfungsfächer".
- Either Chemistry or Biology must be taken up to and including the final year of High School and can (but need not be) taken in the Abitur.

Grade requirements:

- All grades mentioned are on a scale from 0 - 15.
- The specifically mentioned "Lk" must have a grade 09 or higher.
- All other Science subjects (geprüft/ungeprüft) must have a grade 07 or higher.

English language certificate: Not needed if English was taken during High School, with a minimum grade of 08 in the final year (English can, but need not be taken in the Abitur).

Greece

Required diploma:

- Apolytirio, Natural Sciences specialization.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Physics and Chemistry must be examined.
- Mathematics may but does not need to be examined. If not examined it must be taken up to and including the final year.

Grade requirements:

- GPA must be at least 17.
- Grades for the relevant subjects must be 18 or higher.

Hong Kong

Required diploma:

- Hong Kong Diploma of Secondary Education (HKDSE) in six subjects.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics

Grade requirements:

- Grades for all subjects should be B (4.00) or higher.
- For the subject "Citizen and Social Development" grade "attained".

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Hungary

Required diploma:

- Gimnáziumi Érettségi Bizonyítvány

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics
- Elective exam subjects Physics and Chemistry must be taken in the final exams next to the four compulsory exam subjects (Hungarian language and literature, History, Mathematics and Second language (English or German)).
- Higher Level compulsory for Mathematics, Physics and Chemistry.

Grade requirements:

- Exam grades for Mathematics, Physics and Chemistry should be 4 or higher.
- The other three exam subjects must have a total of at least 8 points together.
- Only one subject can have a grade 2 or higher, the other two must have at least a grade 3.

Iceland

Required diploma:

- Stúdentspróf (obtained at a Menntaskóli). Natural Sciences

Subject requirements:

- Required relevant subjects are Mathematics, Physics and Chemistry.

India

Required diploma:

- Standard XII School Certificate (from either CISCE or CBSE), only academic stream from the science cluster.

Subject requirements:

- Compulsory relevant subjects are Chemistry, Mathematics and Physics.
- All 3 relevant subjects must have been taken in the exams.

Grade requirements:

- A total of five academic subjects in the final exams must have been passed with a result of at least 85% (CISCE), or at least A1 or A2 (CBSE). Non-externally examined subjects will not be taken into consideration.

Indonesia

Required diploma:

- Ijazah Sekolah Menengah (SMA) from an Indonesian Top School (*) (Natural Sciences profile)

Subject requirements:

- Compulsory in final exams are relevant subjects Mathematics, Physics and Chemistry.

Grade requirements:

- Minimum grades of 70% are required for the last 6 semesters/3 years

(*) Determining which schools are Top Schools is done at the discretion of the Admissions Officers of Radboud University

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International Baccalaureate

Required Diploma:

- International Baccalaureate (Diploma Program, not Career-related program).

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- At least two out of the three relevant subjects must be on HL, of which Physics HL is a requirement. The third subject must be on HL or SL.
- Mathematics: only A&A (HL or SL) is accepted. A&I (HL or SL) is not accepted.
- Subjects from Group 6 (the Arts), will not be considered for admission purposes (HL nor SL), and must be replaced by a 2nd subject from the Science group (Group 4).

Grade requirements:

- An overall score of at least 30 points (not including points for CAS, EE and ToK).
- All grades must be 4 points or higher.

Ireland

Required diploma:

- Leaving Certificate Established (LCE) with at least 6 exam subjects, of which at least two on Higher level. Leaving Certificate Vocational Programme is not taken into consideration, nor are subjects from the Applied Science group.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- All 3 relevant subjects must be examined of which 2 on HL and 1 on OL.

Grade requirements:

- All grades (HL and OL) must be 4 or higher.

Israel

Required diploma:

- Te'udat Bagrut with at least 21 units.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics
- Mathematics must have 4 or 5 units.
- The other relevant subjects must each have 3 or more units.

Grade requirements:

- All grades must be "almost good" or higher.

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Italy

Required diploma:

- Diploma di Superamento dell'Esame di Stato Conclusivo from a Liceo Scientifico. A Diploma from a Liceo Linguistico, Classico or Science Umane is not taken into consideration for admission purposes.

Subject requirements:

- Required relevant subjects are Natural Science, Mathematics and Physics
- All relevant subjects must be examined

Grade requirements:

- All relevant subjects must have a 6.0 or higher.

Kazachstan

Required diploma:

- Nazarbayev Intellectual Schools (NIS) Year 12 Certificate.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics
- All relevant subjects must be included in the NIS certificate.

Grade requirements:

- All grades must be at least 4.5 out of 5.

OR

Required diploma:

- Atestat from a regular Kazakh secondary school + one year of University in Chemistry with sufficient grades.

Subject requirements:

- Chemistry, Mathematics and Physics must have been in the final exams of secondary school.

Grade requirements:

- The university's Transcript of Records must list passing grades or above.

Kosovo

Required diploma:

- Gjimnazit, or Diplomë për Kryerjen e Shkollës së Mesme të Lartë – Gjimnazit.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- All relevant subjects must be in the diploma.

Grade requirements:

- All grades must be 4 or 5 (out of 5).

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Latvia

Required diploma:

- Atestāts par vispārējo vidējo izglītību in the exact (natural) sciences cluster.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- All relevant subjects must be in the Centralized Examinations.

Grade requirements:

- All grades should be at least 7 out of 10.

Lebanon

Required diploma:

- Baccalauréat / General Secondary Education Certificate البكالوري / شهادة الثانوية العامة, plus
- one year of University in Chemistry, plus
- Additional certificates in Physics, Chemistry and Mathematics must be obtained.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Lithuania

Required diploma:

- Brandos Atestatas (Mathematics & Natural Sciences stream) with at least seven Matura subjects, of which at least four are A level and state exams.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Relevant subjects must have been taken as A-level + Matura state exams.

Grade requirements:

- Grades in the final year for the relevant subjects must be at least 8, for all other subjects at least 7
- Grades in the Matura state exams for relevant subjects must be 86 or higher, all other subjects 36 or higher.

Luxembourg

Required diploma:

- Diplôme de fin d'études secondaires classiques, spécialisation sciences naturelles et mathématiques.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.

Grade requirements:

- Grades for the relevant subjects must be at least 40, all other grades at least 35.

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Malaysia

Required diploma:

- Sijil Tinggi Persekolahan Malaysia (STPM) Matriculation Certificate OR Unified Examination Certificate (UEC).

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- The relevant subjects must be examined.

Grade requirements:

- STPM Cumulative GPA must be at least 2.67
- grades for relevant subjects must be 3.00 or higher.

OR

- All UEC grades should be B3 or higher.

Mexico

Required diploma:

- Bachiller + having passed at least 1 year of university education in Chemistry.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Moldova

Required diploma:

- Diploma de bacalaureat, science (real) profile with a grade B (8.01) or higher.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- Mathematics and Physics must be taken in the final exams.
- Chemistry must be taken in the final year and may, but need not be examined.

Grade requirements:

- GPA in the final year must be at least A (9.01-10).
- Grades of all exam subjects must be at least A (9.01-10).
- Grades of all relevant subjects not in the final exam must be at least A (9.01-10).

Morocco

Required diploma:

- Attestation du Baccalauréat + at least 1 year academic education in Chemistry.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

The Netherlands

Required diploma:

- Diploma Voorbereidend Wetenschappelijk Onderwijs (VWO)

Required subjects:

- Chemistry, Mathematics B and Physics.

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New Zealand

Required diploma:

- NCEA Level 3 (NZQF level 3/EQF level 5), with sufficient credits from general level 3 subjects.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics
- All relevant subjects must be level 3
- Statistics and Probability is not taken into consideration

Grade requirements:

- All relevant subjects must have 14 Credits

North Macedonia

Required diploma:

- Diploma za položena državna matura / Диплома за положена државна матура (Diploma of completed state matura exam).

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.

Grade requirements:

- All grades in the Matura should be "Very Good" (4.00–4,99) or "Excellent" (5.00).

Norway

Required diploma:

- Vitnemål for Videregående Skole, General Studies specialisation Natural Science and Mathematics.

Subject requirements:

- Required relevant subjects are Mathematics, Physics and Chemistry
- The relevant subjects must have been taken in the final exam.

Grade requirements:

- All grades in the final year and the final exams must be 4 or higher.

Pakistan

Required diploma:

- High school diploma plus Bachelor of Science (pass) in Chemistry.

Subject requirements:

- Chemistry, Mathematics and Physics should be taken in high school

Grade requirements:

- All high school grades must be A or A1 (Excellent, 70-79% or Exceptional (80-100%))
- The University's Transcript of Records must list passing grades or above.

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Panama

Required diploma:

- Bachillerato + having passed at least 1 year of university education in Chemistry.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Poland

Required diploma:

- Świadectwo dojrzałości issued by the Okręgowa Komisja Egzaminacyjna.

Subject requirements:

- Required relevant subjects are Physics, Mathematics and Chemistry.
- All relevant subjects must have been taken in the Maturity on advanced level,

Grade requirements:

- Grades for relevant subjects in the written exams must be at least 50%.
- Grades in the final year for relevant subjects must be at least 4 out of 6.
- The GPA in the final year must be at least 4 out of 6.

Portugal

Required diploma:

- Diploma/Certificado/Certidão do ensino Secundário (ciências e tecnologias) + having passed at least 1 year of university education in Chemistry.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Romania

Required diploma:

- Diploma de Bacalaureat (with Liceul theoretic), Profil Real, specialisation Natural Sciences.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- Either Chemistry or Physics must have been taken in the National Bacalaureate Exam.
- The relevant subject that was not examined in the Bacalaureate (Chemistry or Physics) must have been taken in the final year of high school.

Grade requirements:

- Overall GPA in year 11 and 12 must be at least 8 out of 10.
- Grades in the final year and the Bacalaureate for the relevant subjects must be at least 9 out of 10.
- GPA of the examined subjects in the Bacalaureate must be at least 9 out of 10.

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Russia

Required diploma:

- Attestat o Srednem (Polnom) Obshchem Obrazovanii / Attestat Zrelosti plus 1 year of academic education in Chemistry.

Subject requirements:

- Required relevant subjects that must have been taken in the final exams of High School are, Chemistry, Physics and Mathematics (the exact level will be individually assessed)

Grade requirements:

- Silver and gold medals in relevant Olympiads on city, regional or national level, as well as high school grades, will be considered for admission purposes and may lead to exemption from the 1 year of academic education.
- The University's Transcript of Records must list passing grades or above.

Serbia

Required diploma:

- Diploma o stecenom srednem obrazovanju or Diploma/Uverenje o položenom maturalnom ispitu.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics
- Mathematics must be in the Matura,
- Chemistry and Physics must be in the final year of high school.

Grade requirements:

- All grades in the Matura and the final year of high school must be 4 or higher.

Singapore

Required diploma:

- Singapore-Cambridge GCE A-level in at least 3 H2 + 1 H1 content-based subjects + General Paper/Knowledge and Inquiry (5 different subjects in total).

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics
- All relevant subjects must have been taken as H2 subjects.

Grade requirements:

- Grades for all H1 and H2 must be B or higher
- Grade for H3 (if any) must be "Distinction" or "Merit".

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Slovakia

Required diploma:

- Vysvedčenie o maturitnej skúške (obtained at Gymnázium)

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Either Chemistry or Physics + Mathematics must be exam subjects next to Slovak and English.
- The relevant subject that was not taken in the exam must have been taken as a Boswell/CCVX exam.

Grade requirements:

- Mathematics + either Physics or Chemistry must have a grade 1 or 2.
- Slovak and English must have a grade 1, 2 or 3,
- The total number of points for the four final exam subjects must be below 10.

Slovenia

Required diploma:

- Splošna Matura (obtained at a Gimnazija).

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Physics and Chemistry must be the two elective subjects in the Matura. Next to the three compulsory subjects (Slovenian/Hungarian/Italian, Mathematics and a foreign language)

Grade requirements:

- All grades in the Matura and the final year must be at least 4 out of 5 (or 8 out of 10).

South Africa

Required diploma:

- National Senior Certificate with 7 examination courses and 1 Independent Examination Board (IEB) Advanced Programme Certificate (Mathematics or English).

Subject requirements:

- Required relevant subjects in the NSC are Chemistry, Physics and Mathematics.

Grade requirements:

- NSC must have an overall average result of 75% for five courses (not including Life Orientation and Mathematical Literacy),
- The IEB APC must have a result of at least 55%

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South Korea

Required diploma:

- A high school certificate from a Science High School (grades 80 and higher)
OR, if High School grades are lower than 80
- CSAT with elective Science

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.

Grade requirements:

- Grades for the Certificate from a Science High School must be at least 80
- Grades on CSAT
 - for compulsory subjects at least 160
 - for the elective Science at least 80

OR

Required diploma:

- General High School diploma plus having passed at least 1 year of university study in Chemistry.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Spain

Required diploma:

- Título de Bachiller, modality ciencias, plus Selectividad certificate (EBAU)

Subject requirements:

- Required relevant subjects: Biology, Chemistry, Mathematics and Physics
- EBAU: Chemistry and Physics must be examined, next to the compulsory subject Mathematics
- PCE: must include relevant subjects.

Grade requirements:

- In the Bachillerato grades for the relevant subjects must be at least 6.
- In the EBAU grades for the relevant subjects must be at least 6.

Surinam

Required diploma:

- Diploma Voorbereidend Wetenschappelijk Onderwijs (VWO)

Required subjects:

- Chemistry, Mathematics B and Physics.

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study year 2025-2026

Sweden

Required diploma:

- Slutbetyg från Gymnasieskolan, Naturvetenskapsprogrammet/Natural Science Programme.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Physics and Chemistry both on level 1 and 2
- Mathematics (level 4).

Grade requirements:

- On a grading scale from A-F (A is highest pass, E is lowest pass, F is fail), grades must be B or higher.

Switzerland

Required diploma:

- Certificat de Maturité / Maturitätszeugnis / Maturitätsausweis / Maturity Certificate from a Gymnasiale Maturitätsschule / École de Maturité / Baccalaureate School

Subject requirements:

- Required relevant subjects are Physics, Mathematics and Chemistry.
- Physics and Mathematics must be principal subjects
- Chemistry must be a supplementary subjects.

Grade requirements

- Grades for all relevant subjects should be 4 or higher.

Taiwan

Required diploma:

- Senior High School Diploma plus 1 year of academic education in Chemistry.

Grade requirements:

- The university's Transcript of Records must list passing grades or above.

Tanzania

Required diploma:

- Certificate of Secondary Education with at least 5 subjects and Advanced Certificate of Secondary Education with a principal pass for at least 2 subjects and a subsidiary pass for at least 1 subject
- 1 year of university education in Chemistry.
- Additional certificates in Chemistry, Mathematics and Physics must be obtained.

Grade requirements:

- Grades B and higher for all CSE's and all ACSE's
- The University's Transcript of Records must list passing grades or above.

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Tunisia

Required diploma:

- Diplôme du Baccalauréat / شهادة البكالوريا and having passed at least 1 year of university education in Chemistry.
- Additional certificates in Chemistry, Mathematics and Physics must be obtained.

Grade requirements:

- The University's Transcript of Records must list passing grades or above.

Turkey

Required diploma:

- Lise Diplomas after 4 years of general secondary education.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- Relevant subjects must have been taken in the natural science cluster and must have been taken as "electives" in year 11 and 12.

Grade requirements:

- Overall GPA in year 10, 11 and 12 must be at least 85.
- Grades for relevant subjects in year 10, 11 and 12 must be at least 85 out of 100.

Uganda

Required diploma:

- Uganda Certificate of Education (Ordinary level) + Uganda Advanced Certificate of Education and 1 year of university education in Chemistry.
- Additional certificates in Chemistry, Mathematics and Physics must be obtained.

Subject requirements:

- Required relevant subjects for both UCE O-levels and UACE are Chemistry, Mathematics and Physics

Grade requirements:

- UCE O-levels must have grades 1 to 4 for at least 6 subjects.
- UACE subjects must have at least grade B
- The University's Transcript of Records must list passing grades or above.

Ukraine

Required diploma:

- Svidotstvo pro zdobuttia povnoi zagalnoi serednoi osvity.

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.

Grade requirements:

- Grades for all relevant subjects must be between 10-12 (4th level/high).

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United Kingdom (England, Wales and Northern Ireland)

Required diploma:

- (International) General Certificate of Secondary Education ((I)(GCSE) in 6 subjects or more, plus a(n) (International) General Certificate of Education (I)(GCE) with 3 (or more) subjects on advanced level (A-level).

Subject requirements:

- Required relevant subjects are Chemistry, Mathematics and Physics.
- At least 2 of the 3 (or more) (I)GCE A-levels should be a relevant subject. The 3rd (I)GCE A-level is non-specific.
- One of the (I)GCSE subjects should be the third relevant subject if not examined at (I)GCE A-level
- Non-academic subjects (such as: Art & Design, Music, Music Technology, Drama & Theatre Studies, Design & Technology, Food preparation & Nutrition, etc., etc.) are not taken into account, and do not count towards the minimum number of subjects required for both (I)GCSE and (I)GCE A-levels.

Grade requirements:

- At least 6 (I)GCSE's, all AS-levels and 3 (I)GCE A-levels should have grade B or higher. In the new grading system (1-9), all grades should be 6 and higher.

United Kingdom (Scotland)

Required diploma:

- Scottish Qualifications Certificate (SQC) with 4 Highers

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- Chemistry must be at least a Higher
- Physics and Mathematics must be Advanced Highers

Grade requirements:

- Grades for all Highers and Advanced Highers should be B or higher.

United States

Required diploma:

- High School Diploma with 4 or more AP (Advanced Placement) Certificates, issued by the College Board.

Subject requirements:

- Required relevant subjects are Chemistry, Physics and Mathematics.
- The relevant subjects must be AP certificates as follows
 - Calculus (AB or BC),
 - Chemistry
 - Physics (Physics 2 + Physics 1 OR Physics 2 + Physics C Mechanics).
- Non-academic courses in High School are not taken into consideration.

Grade requirements:

- All AP certificates must have a minimum score of 3 out of 5.
- High School GPA must be at least 3.5 out of 4.0
- All relevant subjects in the High School exam must at least have a grade of 3.5 out of 4.0.
- Grades for non-academic courses in High School will not count towards the GPA.

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Vietnam

Required diploma:

- Bang Tot Nghiep Pho Thong Trung Hoc from a High School of the gifted.

Subject requirements:

- Required relevant subjects are Mathematics, Physics and Chemistry.

Grade requirements:

- GPA in the final year of at least 8, grades for all relevant subjects must be at least 9.

Zimbabwe

Required diploma:

- Zimbabwe General Certificate of Education at Ordinary Level with at least 6 exam subjects + Zimbabwe General Certificate of Education at Advanced Level with a pass for at least 3 subjects
- 1year of university education in Chemistry.
- Additional certificates in Chemistry, Mathematics and Physics must be obtained.

Subject requirements:

- Required relevant subjects are Mathematics, Physics and Chemistry.
- All relevant subjects must have been taken in the ZGCE O-level and A-level exams

Grade requirements:

- Grades B and higher for all CSE's and all ACSE's
- The University's Transcript of Records must list passing grades or above.