Diploma specific admission requirements
For the bachelor's programme in Chemistry (study year 2023-2024)

You need to have sufficient previous education to be eligible for this programme. Below, you will find the requirements for the most frequently obtained diplomas. If your diploma is not mentioned below, please send an email to the Admissions Officer of the Faculty of Science (admissionsforbachelors@science.ru.nl) to find out about the specific requirements in your case.
For this programme, specific requirements for the subjects from the field of Science (Mathematics, Physics, Chemistry and/or Biology) may have been set. Any course or level deficiency can be eliminated by taking an additional test as per the information provided on our website. SAT's are not taken into consideration for admission purposes.

Albania
Next to the 3 compulsory Matura subjects (Albanian, Mathematics and 2nd language), Physics and Chemistry should be the 2 elective subjects in the Matura examination
The GPA in the final year should be at least 7 out of 10, the grades for all relevant subjects in the final year should be at least 7 out of 10.
The GPA in the Matura-exam should be at least 8 out of 10, the grades for all relevant subjects that were taken in the Matura should be at least 8 out of 10
Relevant subjects: Mathematics, Physics, Chemistry

Bulgaria
Diploma za Sredno Obrazovanie (academic stream)
Overall GPA of the final year as well as in the Matura should be at least 5 out of 6, grades for specifically relevant subjects (Physics, Chemistry and Mathematics) should be 6 out of 6, also in the Matura. Either Physics or Chemistry is a Matura subject. The Science subject that was not in the Matura (Physics or Chemistry) should be taken up to and including the final year in High School
Language School diplomas are not accepted. Should the diploma not specifically mention that it is from a Natural Science or Mathematics High School, it is assumed that the diploma is from a Language School and therefore not taken into consideration

Canada
1. In Ontario: Ontario Secondary School Diploma (OSSD) + at least 6 university preparation courses (U/M) with a minimum of 75% or Ontario Academic Courses (OIBC)
2. In Quebec: Diploma d'Etudes Collégiales (DEC) with the designation préuniversitaire
3. In British Columbia: High School Diploma + a relatively large number of academic courses in grades 11 and 12 with good grades
For OSSD: 6 U/M courses with a minimum of 75%
U/M courses should at least include the following: Mathematics, Physics and Chemistry
For BC: Mathematics, Physics and Chemistry should be academic courses
Caribbean
CAPE (Caribbean Advanced Proficiency Exam), awarded by CXC (Caribbean Examination Council). At least 3 subjects of 2 units need to be passed. The 2-unit subjects should include Mathematics, Physics and Chemistry.

Croatia
Svjedodžba o (drzavnoj) maturi from a Gymnazijum with at least 5 subjects in the Matura. All grades in the final year (including those for the Matura) should be at least 4 out of 5. Next to the compulsory subjects (Croatian, Mathematics (A-level) and a foreign language), Physics and Chemistry should be in the Matura.

Cyprus
Apolytirio (Natural Sciences specialization) with a GPA of at least 17, grades for specifically mentioned relevant subjects should be 18 or higher. Physics and Chemistry should be in the profile and must be examined. Mathematics should be taken in the final year and may but does not need to be examined. Relevant subjects: Mathematics, Physics and Chemistry.

Czech Republic
Vysvědčení o maturitní zkoušce (obtained at a Gymnázium). Grades: maximum of 9 points for 4 exam subjects. Compulsory subjects: Czech Language and Literature (grade 1, 2 or 3) and Mathematics (grade 1 or 2). Elective subjects: Chemistry (grade 1 or 2) and Physics (grade 1 or 2). Grade 1 - excellent = 100%-86%, Grade 2 - very good = 86% - 68%, Grade 3 - good = 67% - 50%.

Denmark
1. Studentereksamensbevis
2. Bevis for Højere Forberedelseksamen
Natural Science cluster with at least the following subjects:
- Mathematics (A-level)
- Chemistry (A-level)
- Physics (A-level)
All grades should be 7 or higher.

Estonia
Gümnaasiumi Lõputunnistus, with at least 5 subjects in the final exam, including Mathematics, Physics and Chemistry. All grades in the final exams should be 3 (or C) or higher, grades for the relevant subjects (Chemistry, Physics and Mathematics) should be 4 (or B) or higher.

European Baccalaureate
Diploma with Mathematics (5 periods), Physics, and Chemistry. All these courses must have been completed as final year courses with at least a passing grade (5).

Finland
Ylioppilastutkintotodistus/Studentexamensbevis. Mathematics and General Studies should be taken in the matriculation examinations. Chemistry and Physics should be taken in the final year of high school. Matriculation grades at least 4 (out of 7), or C, M, E, or L.
France
Baccalauréat Général Série S (Scientifique) (until 2020), with at least Mathematics, Chemistry and Physics as exam subjects
New French Bac (as of 2021):
Grade 11 (prémie) specialties : Mathematics (Spécialité) + Physics/Chemistry + Biology/Geology
Grade 12 (terminale): Mathematics (Spécialité) + Physics/Chemistry
Grades for all relevant subjects (Mathematics (Spécialité) and Physics/Chemistry) should be at least 12/20 in the final year and the final examinations

Germany
Zeugnis der allgemeinen Hochschulreife.
• “LK” Chemistry + Mathematics + either Physics or Biology should be taken up to and including the final year of High School (they can, but need not be taken in the Abitur)
OR
• “LK” Physics + Mathematics + either Chemistry or Biology should be taken up to and including the final year of High School (they can but need not be taken in the Abitur).
• The (specifically mentioned) “LK” should have a grade 09 or higher, all other Science subjects should have a 07 or higher.
• English language certificate: Not needed if English was taken during High School, with a minimum grade 08 in the final year (English can but need not be taken in the Abitur).
• All grades mentioned are on a scale from 0-15

Greece
Apolytirio (Natural Sciences specialization) with a GPA of at least 17, grades for specifically mentioned relevant subjects should be 18 or higher. Physics and Chemistry should be in the profile and must be examined. Mathematics should be taken in the final year and may but does not need to be examined.
Relevant subjects: Mathematics, Physics and Chemistry.

Hungary
Gimnáziumi Érettségi Bizonyítvány
Physics should be the elective (5th) exam subject, Chemistry should be in the final year in high school and must be taken as a Boswell/CCVX exam
Exam grades for Mathematics and Physics should be 4 or higher. The other three exam subjects should have at least 8 points. Only one subject can have a grade 2 or higher, the other two should have at least a grade 3

Iceland
Stúdentspróf (obtained at a Menntaskóli). Natural Sciences, including Mathematics, Physics and Chemistry
India
- The Indian School Certificate (from the CISCE, only academic stream after 12 years of education, Standard XII), from the Science cluster if 5 academic subjects have been passed with a result of at least 85% (out of 100%)
- The All-India Senior School Certificate (from CBSE, only academic stream after 12 years of education, Standard XII), from the Science cluster if 5 academic subjects have been passed with A1 or A2. Since A1 and A2 are positional grades (1st 1/8 and 2nd 1/8), scores for each subject should be at least 85%
- For both Certificates, Physics, Chemistry and Mathematics are required subjects in the exam
- Non-externally examined courses do not count towards meeting the required minimum number of courses, nor to the grade requirement for the five courses as mentioned above

Indonesia
SMA from an Indonesian Top School (*) (Natural Sciences Profile) grants direct admission, if at least Mathematics, Physics and Chemistry are examined in the final exams
Minimum grades of 70% are required for 6 semesters/3 years
(*) Determining which schools are Top Schools is done at the discretion of the Admissions Officers of Radboud University

International Baccalaureate
Diploma Programme (not Career-related programme) with at least 30 points (not including points for CAS, EE and ToK), all grades should be 4 points or higher.
At least two out of the three following subjects should be on HL (Physics, Chemistry, Mathematics). The third subject should be on HL or SL
New IB Math: only A&A (HL or SL) is accepted
Subjects from Group 6 (the Arts), will not be considered for admission purposes (HL nor SL), and should be replaced by a 2nd subject from the Science group (Group 4)

Ireland
Leaving Certificate (established programme) with at least 6 exam subjects, of which at least 2 were at Higher Level.
The two HL subjects should be from the field of Science (Physics, Chemistry or Mathematics).
The 3rd Science subject which was not on HL, should be on OL. All grades (HL and OL) should be 4 and up, and at least 350 CAO points should be achieved.
Leaving Certificate Vocational Programme is not taken into consideration

Israel
Te'udat Bagrut with at least 21 units and all grades “almost good” or higher.
Mathematics 4 or 5 units
Physics + Chemistry 3 or more units each

Italy
Diploma di Superamento dell'Esame di Stato Conclusivo from a Liceo Classico or Liceo Scientifico (so no Liceo Linguistico)
Kazakhstan
Nazarbayev Intellectual Schools (NIS) Grade 12 Certificate. All grades should be at least 4.5 out of 5
Students with an "Atestat" from a regular Kazach High School must write Mathematics, and either Physics and/or Chemistry as two (or three) of the six exam subjects, the third one must be taken in the last year as well (if not in the exam) + 1 year of University in Chemistry.

Kosovo
Gjimnazit, or Diplomë për Kryerjen e Shkollës së Mesme të Lartë – Gjimnazit, including at least Mathematics, Physics and Chemistry.

Latvia
Atestāts par vispārējo vidējo izglītību in the exact sciences cluster with at least Mathematics, Physics and Chemistry. All grades should be at least 7 out of 10.

Lithuania
Brandos Atestas par Visparejo Videjo Izglitibu (Mathematics & Natural Sciences stream)
Seven or eight Matura subjects, of which at least four are state exams on A-level.
At least Mathematics (State exam, A-level), Physics (State exam, A-level) and Chemistry (State exam, A-level) should be in the Matura. All grades in the final year should be at least 7 out of 10.
All grades in the Matura should be 36 points or higher.

Luxembourg
Diplôme de fin d'études secondaires classiques, Spécialisation sciences naturelles - mathématiques.

Malaysia
Sijil Tinggi Persekolahan Malaysia/ Matriculation Certificate (STPM Cumulative GPA should be 3.00 or higher, or Unified Examination Certificate with a GPA of at least 75%)
At least Mathematics, Physics and Chemistry should be examined.

Moldova
Diploma de bacalaureat, science (real) profile with a grade 8.01/B or higher.
Mathematics and Physics in the final exams, GPA in the final year at least 9/10. Grades of all exam subjects at least 9/10.
Chemistry should be taken in the final year and may, but need not be examined, grades at least 9/10.

Norway
Vitnemål for Videregående Opplaering (Vg1 + Vg2 + Vg3), programme for Specialization in General Studies, with the Natural Science and Mathematics Studies specialization.
Mathematics, Physics and Chemistry should be in the exam. All grades in the final year and the final exams should be 4 or higher.

Poland
Physics, Mathematics and Chemistry in the Maturity on advanced level, minimum grades 50%.
The GPA in the final year should be at least 3 out of 5, grades in the final year for relevant subjects (Chemistry, Physics, Mathematics) should also be at least 3 out of 5.
Portugal
Diploma/Certificado/Certidão do Ensino Secundário (ciências e tecnologias) + at least 1 year of academic education in Chemistry

Romania
Diploma de Bacalaureat (with Liceul theoretic)
Only the Natural Sciences profile is taken into consideration. Overall GPA in the last two years in high school (year 11 and 12) should be at least 8 out of 10. Grades in the final year for specifically relevant subjects (Mathematics, Physics and Chemistry) should be at least 9 out of 10. GPA of the examined subjects in the Bacalaureat should be at least 9 out of 10. Next to Mathematics, either Physics or Chemistry should be examined in the Bacalaureat, with a grade of at least 9 out of 10. The Science subject that was not examined in the Bacalaureat (Chemistry or Physics) should be taken in the final year of high school

Russia
Attestat o Srednem (Polnom) Obshchem Obrazovanii / Attestat Zrelosti (including Biology, Chemistry, Physics and Mathematics, the exact level will be individually assessed) + at least 1 year of academic education in Chemistry
Silver and gold medals in relevant Olympiads on city, regional or national level will be considered for admission purposes and may lead to exemption from the 1 year of academic education

Serbia
Diploma o stecenom srednem obrazovanju or Diploma/Uverenje o položenom maturskom ispitu. Mathematics must be in the Matura, Chemistry and Physics should be in the final year of high school.
All grades in the Matura and the final year of high school should be 4 or higher.

Slovakia
Vysvedčenie o Maturitnej skúške (obtained at a Gymnázium)
Exam subjects: Slovak, English, Mathematics + either Chemistry or Physics + Boswell/CCVX Physics or Chemistry (the subject that was not in the final exams). Mathematics + either Physics or Chemistry should have a grade 1 or 2. Slovak and English could have a grade 1, 2 or 3, the total number of points for the four final exam subjects not exceeding 9.

Slovenia
Splošna Matura (obtained at a Gimnazia)
Next to the three obligated subjects (Slovenian/Hungarian/Italian, Mathematics and a foreign language) Physics and Chemistry should be the two elective subjects in the Matura
All grades in the Matura and the final year should be 4 or higher

South Africa
National Senior Certificate with 7 examination courses with an overall average result of 75% for five courses (not included Life Orientation and Mathematical Literacy) + 1 Independent Examination Board (IEB) Advanced Programme Certificate (Mathematics or English) with a result of at least 55%
Subjects in the National Senior Certificate should at least include Mathematics, Physics and Chemistry
South Korea
A high school certificate from a Science High School (grades 80 and higher). If the score is lower than 80, then CSAT is needed (160+ for each of the 3 obligatory subjects, 80+ for the elective subject “science”). Or a General High School plus having passed at least 1 year of university study in Chemistry

Spain
Titulo de Bachiller (profile: "ciencias y technologia" till 2017, "ciencias" as of 2018) + PAU Selectividad (till 2016), or EVAU/EBAU (2017 and later)
Fase obligatoria with Matématicas II
Fase voluntaria with Chemistry and Physics

Sweden
Slutbetyg från Gymnasieskolan, Naturvetenskapsprogrammet/Natural Science Programme, at least including Mathematics, Physics and Chemistry
On a grading scale from A-F (A is highest pass, E is lowest pass, F is fail), we are looking for grades B or higher

Taiwan
Senior High School Diploma + 1 year of academic education in Chemistry

Turkey
Lise Diplomasi after 4 years of general secondary education with a GPA of at least 85% in year 11 and 12
Natural Sciences cluster with at least 3 Science subjects; Mathematics, Physics and Chemistry.
Overall GPA in year 11 and 12 should be at least 85. For all the Science subjects that were taken in year 11 and 12, the grade should be at least 85 out of 100.

Ukraine
Svidotstvo pro zdobuttia povnoi zagalnoi serednoi osvity. Subjects should at least include Mathematics, Physics and Chemistry. Grades for all relevant subjects should be between 10-12 (4th level/high)

United Kingdom
(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)
Non-academic subjects (e.g. Art & Design, Music, Music Technology, Drama & Theatre Studies or Design & Technology) 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
At least 2 of the 3 (or more) (I)GCE A-levels should be from the following group of subjects: Physics, Chemistry, Mathematics. The 3rd (I)GCE A-level is non-specific
One of the (I)GCSE subjects should be the third subject of Physics, Chemistry or Mathematics if not examined at (I)GCE A-level
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. All the specifically mentioned subjects should meet the grade requirements.
**United States**
High School Diploma with 4 or more AP (Advanced Placement) Certificates
Three of these 4 AP Certificates are compulsory: Chemistry, Physics (2) and Calculus (AB or BC)
All AP certificates should have a minimum score of 3 out of 5 (proven by the College Board).
High School GPA should be at least 3.5 out of 4.
Non-academic courses in High School are not taken into consideration and will not count towards the GPA.

**Vietnam**
Bang Tot Nghiep Pho Thong Trung Hoc from a High School of the gifted.
GPA in the final year of at least 8, grades for all relevant subjects should be at least 9.
Relevant subjects: Mathematics, Physics and Chemistry.