Diploma specific admission requirements

For the Bachelor’s programme in Computing Science (study year 2020-2021)

You need to have sufficient previous education to meet our admission requirements. 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. If you do not have the right course or level in your diploma, you can take the CCVX test in VWO for the specific subject(s) in English or Dutch on location in the Netherlands (www.ccvx.nl). You can also take the test and a preparatory course at the Boswell Institute (www.boswell-beta.nl).

SAT’s are not taken into consideration

Computing Science is a study programme that has a very strong basis in Mathematics. Therefore, we are looking for Mathematics as the most important subject next to at least one other Science subject (preferably Physics or Chemistry) whenever possible. High School subjects such as Programming, Computer Science, Game Design, App Development and the like, will not be taken into consideration for admission purposes, because of their non-standardized content

**International Baccalaureate**

*Diploma programme* (not Career-related programme) with at least 30 points (not including points for CAS, EE and ToK)

Either Physics or Chemistry should be an HL subject

Old IB Math: Mathematics must be on HL

New IB Math: Either Analysis & Approaches, HL or SL, or Application & Interpretation HL

All grades should be 4 points or higher

**European Baccalaureate**

*Diploma*

Mathematics (5 periods), plus at least one other subject from the field of Science (either Physics or Chemistry). All of these courses must have been completed as final year courses with a passing grade

**Bulgaria**

*Diploma za Sredno Obrazovanie* (academic stream)

Overall GPA of the last year and the Matura should be at least 5 out of 6, grades for specifically relevant subjects, (Mathematics and either Physics or Chemistry) should be 6 out of 6, also in the Matura. Mathematics and either Physics or Chemistry should be in the Matura. 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

**Croatia**

*Svjedodzba o (drzavnoj) maturi (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

Required Matura subjects: Mathematics and either Physics or Chemistry

**Cyprus**

*Apolytirio* with a GPA of at least 18, grades for specifically mentioned relevant subjects should be 19 or higher

Relevant subjects: Mathematics plus 1 other subject from the field of Science (either Physics or Chemistry)
France
Baccalauréat Général, Serie Scientifique

Germany
Zeugnis der allgemeinen Hochschulreife

- Mathematics as “Prüfungsfach” (either Lk or Gk, with a minimum grade 07) and at least one other Science subject as Prüfungsfach (Biology, Physics, Informatics or Chemistry)
- English language certificate: Not needed if English was taken during High School, with a minimum grade 08 in the final year
- All grades mentioned are on a scale from 0 - 15

Greece
Apolytirio Genikou Lykeiou with a GPA of at least 18, grades for specifically mentioned relevant subjects should be 19 or higher
Relevant subjects: Mathematics plus 1 other subject from the field of Science (either Physics or Chemistry)

India
- The Indian School Certificate (from the CISCE, only academic stream after 12 years of education, Standard XII), if 5 subjects have been passed with an average of at least 75%
- The All India Senior School Certificate (from CBSE, only academic stream after 12 years of education, Standard XII), if 5 subjects have been passed with the grades A1, A2 or B1
- For both Certificates, Mathematics, Physics and Chemistry are required subjects
- 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
Sekolah Menengah Atas (SMA) from an Indonesian Top School (*) grants direct admission, provided that the right courses were taken (Mathematics Plus at least 1 other subject from the field of Science; preferably Physics or Chemistry)

(*) Determining which school is considered a Top School is done at the discretion of the Admissions Officers of Radboud University

Ireland
Leaving Certificate with at least 6 exam subjects, of which at least 2 were at Higher Level.
1st HL subject is Mathematics. At least one other Science subject (either Physics or Chemistry) should also be on the leaving cert (either HL or OL). All grades (both HL and OL) should be >4
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
At least 1 other subject from the field of Science (either Physics or Chemistry) 3 or more units

Italy
Diploma di Superamento dell’Esame di Stato Conclusivo from a Liceo Classico or Liceo Scientifico
Kazachstan
*Nazarbayev Intellectual Schools (NIS) grade 12 Certificate.* All grades should be at least 4 out of 5
Students with an “Atestat” must write Mathematics and either Physics or Chemistry as two of the six exam subjects

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

Lithuania
*Brandos Atestas par Visparejo Videjo Izglītību*
Mathematics and at least 1 other subject from the field of Science (either Physics and/or Chemistry) should be taken on A-level. All grades should be at least 7 out of 10 or higher

Poland
*Świadectwo Dojrzałości* (Maturity Certificate) or *Liceum Ogólnokształcącego* (General lyceum)
Mathematics and either Physics and/or Chemistry should be at least up until the exam

Portugal
*Diploma/Certificado/Certidão do Ensino Secundário (ciências e tecnologias)* + at least 1 year of academic education in a to Computing Science relevant field

Romania
*Diploma de Bacalaureat* (with Liceul theoretic)
Only the Natural Sciences or Mathematics & Computer Science profiles are taken into consideration. Overall GPA in the last year should be at least 8 out of 10. Grades for specifically relevant subjects (Mathematics and either Physics and or Chemistry) should be at least 9 out of 10. GPA of the Matura should also be at least 9 out of 10. Mathematics should be examined in the Matura, with a grade of at least 9 out of 10

Russia
*Attestat o Srednom (Polnom) Obshchem Obrazovanii / Atestat Zrelosti* + at least 1 year of academic education in a to Computing Science related field

South Africa
*National Senior Certificate* with 7 examination courses with an overall average result of 70% (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 and 1 other subject from the field of Science (Physics or Chemistry)

Spain
*Título de Bachiller (ciencias y tecnología)* + PAU Selectividad, or EBAU/EVAU
Fase obligatoria with Mathématica II, Fase voluntario with Chemistry and/or Physics

Turkey
*Lise Diplomasi* (4 years), with at least 3 science subjects (Mathematics, Physics and Chemistry)
Overall GPA should be at least 85. For all the science subjects that were taken in the exam, the grades should be at least 85 out of 100

Ukraine
*Atestat pro zagal'nu serednyu osvitu*
Subjects should at least include Mathematics and 1 other subject from the field of Science (Physics and/or Chemistry) Grades for all relevant subjects should be between 9-12
**United Kingdom**

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

- 2 of the 3 GCE A-levels should be from the field of Science (Physics/Chemistry/Mathematics).
  Mathematics is a compulsory subject on A-level
  The 3rd GCE A-level is non-specific, but should be an academic subject (that is: not being Art & Design, Music, Music Technology, Drama & Theatre Studies or Design & Technology)
- One of the GCSE courses should be the third subject of Physics/Chemistry/Mathematics if not examined at GCE A-level
- At least 6 GCSE’s and all 3 GCE A-levels should have grade B or higher

**United States**

*High School Diploma* with 4 AP (Advanced Placement) Certificates

- Two of these 4 AP certificates are compulsory subjects: Calculus (AB or BC) and either Physics 2 and/or Chemistry
- All AP certificates should have a minimum score of 3 out of 5 (proven by the College Board)
- High School GPA at least 3.5 out of 4, all subjects from the field of Science (that were not taken as AP subjects) should be at least 3.5

**Vietnam**

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

GPA of at least 8, grades for all relevant subjects should be at least 9

Relevant subjects: Mathematics, Physics and Chemistry

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All non-Dutch diplomas will be assessed individually

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The Board of Examiners may deviate from these requirements at its own discretion.