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# SELECTED INTERNATIONAL UNIVERSITIES FOR IB STUDENTS

CAS project

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## Foreword

In this brochure, you will find a selection of 30 universities from around the world which we ourselves chose and evaluated for you to consider. You'll find 10 universities from 3 fields of studies, i.e. subjects, organised into 3 parts for a cleaner overview and easier orientation. Each of the fields of study was chosen by the author of that part because of personal interest in that same field.

We as authors chose this approach because we want to show our younger colleagues what information we have gathered for our own further plan of studies and additional pros and cons you might not come across online that we found.

Part 1, written by Hana Čavlina, is for those interested in studying Business, Economy, Management or Marketing.

Part 2, written by Ilaria Skura, is for those interested in studying something more creative and humanities oriented, such as Art, Media, Communication and Culture.

Part 3, written by Marija Jurilj, is for those interested in studying Mathematics and Science

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## Part 1

### Germany

#### University of Manheim

- Programs: Bachelor's Program in Business Administration, Bachelor's Program in Business Informatics, Bachelor's Program in Culture and Economy: Media and Communication Studies, Bachelor's Program in Economic and Business Administration, Bachelor's Program in Economics, Bachelor's Program in Business and Communication Studies
- Language: German and English (depending on program-most programs are taught in a mix of english and german but there are several programs that are taught in english only)
- Tuition fees: €160.40 per semester for students from EU countries
- Requirements:
  1. Proof of proficiency in German (for all programs taught in a mix of German and english) equivalent to at least level C1
  2. Proof of having taken an aptitude test or SIT Orientation Test
  3. Proof of proficiency in english (for all programs taught in English or mix of German and English)
  4. At least one of the following subjects must be HL: mathematics, biology, chemistry, physics, computer science

5. All final grades must be 4 or above, if a grade in one of the subjects is a 3, it can be compensated by grade 5 in another subject

Notes:

University of Mainheim is widely considered to be the best university in Germany and one of the best universities in Europe for anyone looking to study business or economics. Since I'm personally interested in studying business, I've researched a lot about this particular university, and I have a friend studying there as well- from this, I know that this university takes a very individualistic approach to each student, there are a lot of activities and clubs to join and some job-opportunities as well. However, as it is very well-known, there will be a lot of people applying each year, and it is important to understand that you won't be able to get in based on grades alone. Also, it is a difficult university- if you don't have good time management, this might not be the university for you.

### **Frankfurt School of Finance and Management**

- Programs: Bachelor in Business Administration
- Language: English or German (both options are offered)
- Tuition fees: €6950
- Requirements:
  1. A recognised secondary school diploma (German "Abitur" or equivalent)
  2. Frankfurt School Assessment Centre or one of the following test scores: SAT, ACT, TestAS
  3. A letter of motivation (optional)
  4. Proof of proficiency in English
  5. At least one of the following subjects must be HL: mathematics, biology, chemistry, physics, computer science
  6. All final grades must be 4 or above, if a grade in one of the subjects is a 3, it can be compensated by grade 5 in another subject

Notes:

Frankfurt School of Business and Management is a university I will be applying for-some of the advantages it offers include partnerships with corporate firms (providing you with an option to have a paid internship during your studies), required one year of studying and internship abroad, partner universities in over 100 countries etc. Before applying do think about which language you want to study in-because if you choose German, your study model will be different, and you will have a higher chance of paid internship at a firm. Also, keep in mind that

one of the things that this university requires is basically an entrance exam- so make sure to prepare for it. Sample papers can be found on the university's website.

## **Austria**

### **WU Vienna University of Economics and Business**

- Programs: Bachelor's Program in Business, Economics and Social Science, Bachelor's Program in Business and Economics, Bachelor's Program in Business Law
- Language: English and German
- Tuition fees: € 363.36 per semester
- Requirements:
  1. Completed Online-Self-Assessment (OSA)
  2. Completed entrance exam
  3. Proof of English proficiency (for programs taught in English)
  4. Statement of motivation

Notes:

UW Vienna is a great choice for anyone looking to study in a lively and beautiful city, but it also offers many opportunities for its students, ranging from internships to exchange programs with partner universities. However, living in Vienna isn't very affordable, even with the low price of the tuition fee, so be mindful that you might have to learn to cut back on expenses if you want to study and live there. Also, prepare ahead of time for the entrance exam- practice tests and materials to study from can be found on the university's website.

## **France**

### **ESCP Europe Paris**

- Programs: Bachelor in Management (BSc)
- Language: English or French
- Tuition fees: €14 000 per academic year
- Requirements:

Interview and entrance exam

Notes:

The university offers many internship opportunities and has an individualistic approach towards students. However, what I noted was that it was very hard to find specific information about the university because there is only one website for all 3 campuses in 3 countries, so I would recommend contacting the university directly for specific information. Also, note that living in Paris is not even remotely close to being affordable, and that it would be a good idea to look into scholarship options.

## United Kingdom

### **LSE-London School of Economics and Political Science**

- Programs: BSc Accounting & Finance, BSc Econometrics and Mathematical Economics, BSc Economic History With Economics, BS Economics, BSc Environmental Policy with Economics, BSc Finance, BSc Financial Mathematics & Statistics, BSc Geography with Economics, BSc International Social & Public Policy & Economics, BSc Management, BSc Mathematics and Economics, BSc Mathematics with Economics, BSc Mathematics, Statistics & Business, BSc Philosophy & Economics, BSc Philosophy, Politics & Economics, BSc Politics & Economics
- Language: English
- Tuition fees: Not determined (Brexit issue)
- Requirements:

Dependant on program

Notes:

The advantage is certainly the amount of programmes offered, allowing you to specialize in a field or fields you're interested in. However, because of the situation with Brexit, tuition fees are unknown, and in case there is no agreement between UK and EU- might round up to well above €20000 per academic year. Add this up to living costs of London, and you have a very pricey situation...

## USA

### **MIT Sloan School of Management**

- Programs: Management, Business Analytics, Finance
- Language: English
- Tuition fees: €40 732 per academic year

- Requirements:

1. Biographical information
2. Essays, activities and academics
3. Letter of recommendation from math or science teacher
4. Letter of recommendation from humanities or language teacher
5. Grade transcript
6. SAT

Notes:

This university is highly ranked and nearly 61% of its students find a job immediately after finishing university through the internship completed during their studies. However, it is quite expensive and even though more than 4000 international applicants apply each year, only a bit more than 100 are admitted, so note that besides good grades, you'll also need extracurricular activities (sports are highly recommend). I would also recommend trying out for a scholarship, especially if you compete in a certain sport (ideally tennis).

## Denmark

### **Copenhagen Business School**

- Programs: BSc in Business Administration and Service Management, BSc in International Business, BSc in International Shipping and Trade, BSc in Business Administration and Sociology, BSc in Business, Asian Language and Culture, BSc in International Business and Politics
- Language: English
- Tuition fees: €1400 per academic year
- Requirements:
  1. Mathematics SL
  2. English B HL
  3. Total points must be a minimum of 18 (including bonus and minus penalty points)
  4. The minimum grade 3 in all 6 subject

Notes:

Mentor programmes, alumni associations, special discounts, and an online network are some of the many advantages of this university. Denmark is widely praised for having one of the best educational systems worldwide. However, living in Denmark can be quite expensive, so make sure you research the living costs thoroughly before applying. The Netherlands

## The Netherlands

### Rotterdam School of Management

- Programs: Bachelor of Science in International Business Administration
- Language: English
- Tuition fees: €2083 per academic year
- Requirements:

Answer to motivational question

Notes:

Rotterdam School of Management is one of the highest ranked European business universities, and it is an ERASMUS university, meaning that you'll have many opportunities to enter an exchange program. However, from what I have heard and read, it is a very difficult university and it requires a lot of hard work and dedication, so if your time management skills and dedication are poor, I would not recommend enrolling in this university.

## China

### Fudan University

- Programs: Economics, World economy and international trade, Finance, Insurance, Public Economics
- Language: English
- Tuition fee: €4 435 per academic year
- Requirements:
  1. Personal statement
  2. 2 recommendation letters

Notes:

I would recommend this to anyone that has some knowledge of Chinese and wants to work on their language skills. Business universities in China are highly ranked, and even if you aren't that good in Chinese, this would be the perfect opportunity to learn and immerse yourself in an entirely different culture. That being said, I wouldn't recommend this if you don't know any Chinese or don't have anyone to come and study in China with you, because it will be difficult to get around.

## Australia

### Monash University

- Programs: Bachelor of Business, Bachelor of Business Administration, Bachelor of Economics, Bachelor of International Business, Bachelor of Marketing
- Language: English
- Tuition fees: €45 000 per academic year
- Requirements:
  1. At least 4 in English SL or 3 in English HL or 5 in English B SL or 4 in English B HL
  2. Successful completion of any mathematics subject

Notes:

If you're interested in experiencing another culture while studying at a highly ranked university, than this might be the choice for you. If you're terrified of bugs, then I wouldn't recommend Australia in general. Overall, the university is quite expensive, but for those seeking adventure, but in an english-speaking country, it might be the right choice.

## South Korea

### Seoul National University

- Programs: Business Administration, Economics
- Language: English
- Tuition fees: €1819 per academic year

- Requirements:

1. Proof of language proficiency
2. Letter of recommendation

Notes:

Again, this is a great choice for anyone that knows some Korean and wants to improve their language skills, or anyone that is looking to immerse themselves in a completely different culture. However, Korea is a better choice than China if you do not speak the language at all. Be mindful that getting around might be difficult from time to time and that the culture is quite different from what you're probably used to. Unless you're adventurous and willing to at least try to learn some Korean while you're there, I wouldn't recommend enrolling in this university to you.

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## Part 2

### The Netherlands

#### University of Amsterdam

Program: Media and Culture

- Language: English
- Tuition fees: €2083 per year for EU students
- Requirements:
  1. 34 pts total based on 6 subjects - excluding TOK and Extended Essay
  2. Mathematics (SL) minimum grade: 4 (Math Studies does not suffice)
  3. English A or Group 2 English B, minimum grade: 5

Notes:

I found this university extremely interesting, as this program fits what I'm looking to enroll perfectly, however my only concerns are about the housing and general living costs of Amsterdam, which I know are very large because I've visited and I have a friend studying at the university

#### University of Maastricht

Program: Arts and culture, Digital Society

- Language: English

- Tuition fees: €2083 per year for EU students, institutional fee €8000
- Requirements:

The IB Diploma is accepted, however amounts of points or subject requirements aren't listed, so I suppose you contact the university directly. You are required to have a certain language (English) proficiency, but that is already obtained in your graduation diploma. This university also has Binding Study Advice: this means that in your first year of the programme, you must obtain a minimum of 42 out of 60 ECTS credits. Students who fail to earn enough credits will receive a negative Binding Study Advice that leads to exclusion from the programme for a period of six years. All students who are at risk of receiving a negative Binding Study Advice will receive a warning after the first semester

Notes:

Speaking from what I know from my friend who's a student at the university of Maastricht, this is a very serious university that will help you with your studies all the while if you put in the effort as well. I personally quite like this university because it's located in a quaint small town of Maastricht and this university also offers a handful of dorms to first year international bachelor students, so that's really good if your primary concern about living abroad is housing. That, along with the safety of a small student town and a great education, is enhanced by the fact Maastricht is much cheaper than living in a bigger city or Amsterdam

## **University of Groningen**

Program: Arts, Culture and Media, Communication and Information Studies

- Language: English
- Tuition fees: €2083 per year for EU students
- Requirements:

An obtained IB diploma, however amounts of points or subject requirements aren't listed, so I suppose you contact the university directly. You are required to have a certain language (English) proficiency, but that is already obtained in your graduation diploma

Notes:

I came across this university by watching a news segment about law students in the Netherlands, who seemed very happy and enthusiastic about their course. Upon further research I found that this university is 79th on the World University ranking list (2019). The university is located in again a student city, and has several campuses. Personally, I adore the programs I mentioned and am considering enrolling this university myself; one thing I'd note however, is that Groningen is 1-3h commute from Amsterdam, depending on if you're going by train or by car, which can be an issue for those who want quick access to the capital (because of work, the airport etc.). The city is also in the Northern part of The Netherlands, so the weather is noted to be quite miserable through most of the months.

## United Kingdom

### University of Edinburgh

Programs: Illustration, Art, Intermedia Art, Animation, Film and Television, Graphic Design

- Language: English
- Tuition fees: £1820 (for Scotland/EU students)
- Requirements:
  1. 34 points (minimum)
  2. Minimum 6,5,5 at HL
  3. Mini Portfolio (Applicants will be asked to submit a digital mini-portfolio to provide evidence of artistic aptitude and potential)

Notes:

Being ranked as 18th in the world, this university is a total bargain in terms of financing a really high quality education. The tuition fee is really good, Edinburgh is a nice and safe city to live and study in and the university offers many dorm associated companies for solving housing issues. For me personally the only downsides to enrolling this university is the fact that it is kind of far away: it takes (in ideal conditions) around 5h to get from Edinburgh to Zagreb by plane, with an exchange of flights in London which can always mess up your travel arrangements, should the flight get delayed for some reason. Additionally, I am not so keen on the famous "Edinburgh weather" which consists of rain and very low temperature and mostly cloudy skies all year

### King's College London

Programs: Digital Culture, Film Studies, Liberal Arts, English with Film Studies

- Language: English
- Tuition fees: £9,250 per year (generation applying in year 2019/2020)
- Requirements:
  1. 35 (or more) overall points (included TOK and EE) with HL subjects at 6,6,5
  2. An essay bound humanities subject

Notes

This university is a very prestigious one and what's great about it is that the required points are definitely achievable, and with the option of a student loan, you could be studying in on one of the biggest, busiest cities in the world. Costs of living in London are, however, to be considered seriously and upon enrolment you should definitely consider if you're ready to live in such a huge, costly city. I personally have been to London many times, all on longer periods of time (a month or more) so I am familiar with some neighbourhoods and the city centre, but will take my time to consider this option because of the issues revolving around Brexit

## University College London

Program: Arts and Science (interdisciplinary)

- Language: English
- Tuition fee: £9,250 (2019/20)
- Requirements:
  1. 39 (or more) points
  2. Subjects: A score of 19 points in three higher level subjects. Major pathway requirements: Cultures at least one HL from Groups 1, 2 or 6; Societies: at least one HL from Group 1, 2, 3 or 6; Sciences and Engineering: to include higher level Mathematics at grade 6 and a further higher level subject from groups 4 or 5; Health and Environment: to include higher level Chemistry or Biology at grade 6 and a further higher level subject from groups 3, 4 or 5

Notes

UCL is one of the best universities for IB students specifically because of its unique prospectus and thought provoking program design. Arts and Science, the course I chose, is very interesting and although it has a high point requirement, you can always inquire about contextual offers on their website and with the aid of a student loan, can continue your global education

## United States

### New York University NYU

Programs: Art & Art History, Collaborative Arts, Individualized Study in Visual Arts, Photography and Imaging, Studio Art, Business of Entertainment, Media and Technology, Entertainment, Media and Technology, Producing, Digital Art and Design, Film and New Media, Game Design, Integrated Media and Technology, Interactive Media Arts, Drama, Dramatic Writing, Interdisciplinary Theatre Arts etc.

Basically the entirety of the Arts area of study.

Language: English

Tuition fees: this year's tuition at NYU is \$55,000, which doesn't include housing and fees, which could cost an additional \$27,000

Requirements:

The requirements for every NYU course are different, but generally they require specific HL subjects, i.e. they only accept specific HL subjects per course, and you'll also need a score of above 40

Notes:

Obviously, this is an extremely hard school to get into; but I placed it on this list just to kind of balance out the factors of reality and dreams. NYU has the best and most numerous courses connected to what I'm interested in spread out on 3 campuses worldwide (NYC, Abu Dhabi, Shanghai) and even though my chances of getting in are slim, I'd still encourage everyone to have one or two "dream/impossible" schools on their list just as a factor luck might play in

## Italy

### University of Padova

Programs: Communication, Visual and Performing Arts

- Language: Italian
- Tuition fees: for the pool of subjects I selected from, the fee (without a scholarship) is €2507
- Requirements:
  1. Secondary school diploma with results (IB is well accepted)
  2. Passport photocopy
  3. Enrolment certificate
  4. Payed Enrolment Fee (€187)

you send all of this in and wait for further instructions, the university seems to have a very personal approach

#### Notes

A very quaint university I went to visit last Spring, very calm and easy going but certainly not lazy. The workload is large, but all of the students I've talked to have had nothing but praise for their faculty. From what I've gathered the atmosphere at the campus is amazing and they're all like a big friend group, and the professors are always kind and answer all emails in time and help you out every step of the way. Another bonus point for Padova is that it is in Italy, which is very close to Croatia and cheap to travel in between, so that would mean I could often come and be home

### University of Milan

Programs: Communication and Society

- Language: English and Italian
- Tuition fees: from a minimum of about €690 to a maximum of about €3,900 (you can apply for a scholarship)
- Requirements:
  1. Italian proficiency exam
  2. Personal documentation

### 3. High School diploma (no specific scores or subjects required)

#### Notes

Milan is the city of fashion and art, and also an amazing place to live. The university there is a well organised campus and many reviews online have nothing but praise for the programs. However, just as it is with the previous university (Padova) it is a minor issue if you don't speak Italian - however, Italian can be learned quickly and not only that you can also request one of your fellow students to help you out at campus (by translating etc.). For this university I would strongly advise to apply for a scholarship, because you never know exactly what price you're gonna get, and that money is better off spent for your living accommodation

## Australia

### The University of Melbourne

Program: Bachelors in Art (Normal or Extended)

- Language: English
- Tuition fees: (AUD) \$100 000 - 120 000
- Requirements:
  1. 31 or more points on the graduation
  2. calculated WAM (weighted according to the point value of the individual subjects)
  3. VTAC personal statement for assessment

#### Notes:

Studying abroad is often very daunting, however Australia seems like a very friendly and generally happy country, if I can even put it like that, so moving there would be an exciting experience. The costs of the universities however, are hideous, and since the moving process and living there is also expensive, it is often advised to email the university and consult with them what kind of scholarship would be best for your personal background. Melbourne also has many associations based on nationality, so you'll always be able to find someone to relate to and hang out with - especially if you're Croatian

## France

### The American University of Paris

Programs: Film, Global Communications, Information & Communication Technologies, Visual Culture (majors and minors)

- Language: English
- Tuition fees: around €32,080
- Requirements:
  1. Filled Online Application Form
  2. Personal Statements
  3. Extracurricular activities and work experience
  4. Two letters of recommendation
  5. Official Transcripts
  6. Additional tests (English language test, SAT/ACT) (optional)

## Notes

For those who want an American University experience in the historical heart of Europe, this is the place. The university is amazing with its American program and approach, making it easy for students to select majors and minors of their choice, even create their own! The campus is a beautiful historical building, and the university has great reviews and connections to America; which often means semesters or years abroad. A downside to this is the fact that Paris has recently spiraled downward in terms of safety, which is a key factor to consider when going abroad to study on your own

## Part 3

### United Kingdom

#### King's College

Programs: Physics with Astrophysics and Cosmology BSc/MSci, Physics with Theoretical Physics MSci, Electronic Engineering with Management BEng, Electronic and Information Engineering MEng/BEng, Computer Science with Management BSc, Computer Science with Robotics BSc, Computer Science with Intelligent Systems BSc, Biomedical Science BSc, Neuroscience Intercalated BSc, Physiology Intercalated BSc, Infectious Disease and Immunobiology Intercalated iBSc, Extended Medical Degree Programme MBBS, Medicine Maxfax Entry Programme MBBS, Physics and Philosophy BSc/MSci, Mathematics with Management and Finance BSc, Medicine MBBS, General Engineering MEng, Neuroscience BSc/MSci, Mathematics and Philosophy BSc, Mathematics with Statistics BSc, Electronic Engineering with Management MEng, Chemistry with Biomedicine MSci, Chemistry with a Year's Professional Placement MSci, Computer Science BSc/MSci, Computer Science with Management BSc, Computer Science with a year in industry BSc, Medical Physiology BSc, Molecular Genetics BSc, Biochemistry MSci, Medical Genetics Intercalated iBSc, Mathematics BSc/MSci, Biomedical Engineering MEng, Physics BSc/MSci, Chemistry BSc/MSci, Electronic Engineering BEng/MEng, Anatomy Developmental and Human Biology BSc

- Language: English

- Tuition fees: £9250 per year for EU students
- Requirements:
  1. 35 points, with grades 666 at higher level
  2. The requirements can vary slightly depending on the course you choose. Generally, you should take the subject you want to study at HL

Notes:

King's College is one of the UK's most famous colleges and provides good quality education. It is located in London, which is great if you like living in big cities. However, the requirements are quite high so I would only suggest it if you have very good grades and work hard

## USA

### **Massachusetts Institute of Technology**

Programs: Biology, Brain and Cognitive Sciences, Chemistry, Earth Atmospheric and Planetary Sciences, Mathematics, Physics

- Language: English
- Tuition fees: \$48 452 per year
- Requirements:

There are no points or GPA requirements; you will be judged on your performance on the SAT. It is encouraged that in high school you study physics, chemistry, biology, math (calculus), English and a foreign language, history and social sciences.

Notes:

This is one of the best universities in the US and in the whole world. People tend to look very highly of someone who has finished this university. The negative side of studying there, though, is that it would be extremely expensive. It is also very far away if your family lives in Europe

## Netherlands

### **Delft University of Technology**

Programs: Aerospace Engineering, Applied Earth Sciences, Applied Mathematics, Applied Physics, Architecture, Civil Engineering, Clinical Technology, Computer Science and Engineering, Electrical Engineering, Industrial Design Engineering, Life Science and Technology, Marine Technology, Mechanical Engineering, Molecular Science and Technology, Nanobiology, Systems Engineering, Policy Analysis and Management

- Language: Dutch and English (not all programs are offered in English)
- Tuition fees: €2083 per year for EU students
- Requirements:

Completing an introductory course, a motivation test and an academic test, writing a short self-reflection.

Notes:

This university is the oldest and the largest university of technology in the Netherlands. This would be a great choice if you wish to study something related to math, science, technology, or engineering in the Netherlands. However, you should consider your options of the programs if you don't speak Dutch; you should check if the program you want to study is available in English

## Germany

### Technical University of Munich

Programs: Biochemistry, Bioeconomics, Bioinformatics, Chemical Biotechnology, Chemistry, Food Chemistry, Geosciences, Informatics, Informatics Games Engineering, Information Systems, Life Sciences Biology, Life Sciences Nutrition, Mathematics, Molecular Biotechnology, Physics, Health Sciences, Chemical Engineering, Electrical Engineering and Information Technology, Engineering Science, Environmental Engineering, Mechanical Engineering, Pharmaceutical Bioprocess Engineering

- Language: German, English, and bilingual programs
- Tuition fees: none, but students are required to pay the student union and basic semester ticket fees in the amount of €129.40
- Requirements:

A higher education entrance qualification (qualified secondary school diploma or sufficient professional qualification). All universities in Germany also require that you take math or a science at HL.

Notes:

If you want to study math/science in Germany, this is a good choice of university. The university specializes in those areas so it provides a good education for them. Munich is very close to Croatia, and the fees are quite low. But keep in mind that certain courses are offered in German only, for those who aren't proficient in German

## Croatia

### **Prirodoslovno-Matematički Fakultet**

Programs: Biology, Molecular Biology, Environmental Sciences, Physics, Chemistry, Mathematics, Mathematics for Teachers, Geophysics, Geology

- Language: Croatian
- Tuition fees: none
- Requirements:

No specific requirements except for having studied Croatian; you are judged based on your GPA throughout the four years of high school.

Notes:

If you live in Croatia and don't want to study abroad, this is the best university in Zagreb to study math and science. If you struggle with speaking Croatian, this isn't the best choice for you because all the programs are taught in Croatian

## Switzerland

### **ETH Zürich (Swiss Federal Institute of Technology)**

Programs: Biology, Chemistry, Chemical and Bioengineering, Interdisciplinary Sciences, Mathematics, Pharmaceutical Sciences, Physics, Electrical Engineering and Information Technology, Mechanical Engineering, Materials Science, Environmental Sciences, Health Sciences and Technology, Human Medicine

- Language: German and English
- Tuition fees: CHF580 per semester
- Requirements:

Completing an online application form along with the supporting documents, good to excellent study performance record in the preceding course of studies, language skills (German and/or English).

Notes:

This university was ranked #7 in the world, and #8 university for mathematics in the world in 2017. This speaks about its success and excellent education it provides. For a university, it is not very expensive, and Switzerland is an excellent country to study in. Make sure to check what language your course is available in

## Hong Kong

### **The Hong Kong University of Science and Technology**

Programs: Biochemistry and Cell Biology, Biological Science, Biotechnology, Biotechnology and Business, Chemistry, Ocean Science and Technology, Environmental Science, Mathematics, Mathematics and Economics, Data Science and Technology, Physics, Aerospace Engineering, Bioengineering, Chemical Engineering, Chemical and Biomolecular Engineering, Chemical and Environmental Engineering, Computer Engineering, Computer Science, Decision Analytics, Electronic Engineering, Mechanical Engineering, Data Science and Technology

- Language: English
- Tuition fees: HK\$140 000 for international students
- Requirements:

Expected to graduate from high school, satisfy the English language requirement and school-specific requirement.

Notes:

This is one of the top math/science/engineering universities in Asia. It has many programs covering these areas that can interest anyone who is curious about going to Asia. Along with studying these programs you will also get to experience a new culture. This is an excellent opportunity to learn and travel to a foreign place. Some might consider the tuition fee to be a bit expensive, but it is still much cheaper than American universities. This is a good option unless you don't like being far from home

## Canada

### **University of Waterloo**

Programs: Applied Mathematics, Biochemistry, Biology, Biomedical Engineering, Biomedical Sciences, Biostatistics, Biotechnology, Chemical Engineering, Chemistry, Computational Mathematics, Computer Engineering, Computer Science, Electrical Engineering, Environmental Science, Geological Engineering, Information Technology Management, Life Physics, Life Sciences, Materials and Nanosciences, Mathematical Economics, Mathematical Finance, Mathematical Optimization, Mathematical Physics, Mathematics, Mathematics and Business Administration, Mathematics and Chartered Professional Accountancy, Mathematics and Financial Analysis and Risk Management, Mathematics and Teaching, Mechanical Engineering, Mechatronics Engineering, Medicinal Chemistry, Nanotechnology Engineering, Physical Sciences, Physics, Physics and Astronomy, Pure Mathematics, Science and Aviation, Science and Business, Software Engineering, Statistics, Systems Design Engineering

- Language: English
- Tuition fees: CA\$30300-CA\$47970 per year for international students, depending on the program chosen
- Requirements:
  1. 32 points
  2. English B with grade 5 or English A
  3. your subject of study should be taken at HL.

Notes:

This university is one of the best universities in Canada for math and science. It was among the first in the world to offer students access to powerful computers during the era of the cold war. It has exciting and innovative programs, great facilities, active student clubs, and outstanding research opportunities. It is, however, quite an expensive university, and the price goes up with the selection of certain programs

## Australia

### La Trobe University

Programs: Agricultural and Environmental Sciences, Molecular and Biological Sciences, Mathematical and Computer Sciences, Medical and psychological sciences, Physical and Chemical Sciences, Big Data, Engineering, Information Technology, Computer Science, Cybersecurity

- Language: English
- Tuition fees: the tuition fee can vary up to 7% every year, but as a general example it could be AU\$24800 for international students
- Requirements:

There are no specific IB requirements, but it is expected that a student shows good scores in English and in their subject of study.

Notes:

This is a young institution with a lot of ambition; the research carried out at the university is ranked among the top 1.4% in the world. Facilities include a world-class molecular science complex and a wildlife sanctuary. It is a good choice for anyone who wishes to study in Australia. It is a bit expensive and quite far away, so it wouldn't be the best option if you mind that

## Ireland

### University College Dublin

Programs: Agricultural Science, Agricultural Systems Technology, Animal Science, Applied and Computational Mathematics, Applied Mathematics and Education, Biochemistry and Molecular Biology, Biology Mathematics and Education, Biomedical Engineering, Biomedical Health and Life Sciences, Cell and Molecular Biology, Chemical and Bioprocess Engineering, Chemistry, Chemistry with Biophysical Chemistry, Chemistry with Environmental and Sustainable Chemistry, Chemistry Mathematics and Education, Computational and Social Science, Computer Science, Computer Science with Data Science, Economics Mathematics and Statistics, Electronic Engineering or Electrical Engineering, Electronic Engineering, Engineering, Environmental Biology, Food Science, Genetics, Health and Performance Science, Mathematics, Mathematics through Arts and Social Sciences, Mechanical Engineering, Medicinal Chemistry and Chemical Biology, Medicine, Microbiology, Neuroscience, Physics, Physics with Astronomy and Space Science, Physics Mathematics and Education, Physiology, Plant Biology, Statistics, Theoretical Physics, Veterinary Medicine

- Language: English
- Tuition fees: The State pays the tuition costs for EU students, but they still have to pay the Student Contribution Charge of €3000 and the Student Center levy of €247.
- Requirements:

All subjects, both HL and SL, are recognized by the university; the applicants are expected to have excellent grades.

Notes:

This is Ireland's largest and most richly diversified university. It is a vibrant, modern university which offers a broad range of programs in subjects across its colleges. It is relatively close to the

center of Dublin. The living costs could be a problem, but getting a roommate or living on campus could help with that

## Bibliography

### Part 1

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4. ESCP Europe Paris: <https://www.escpeurope.eu>
5. LSE- London School of Economics and Political Science: <https://www.escpeurope.eu>
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7. Copenhagen Business School: <https://www.cbs.dk/en>
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9. Fudan University: <http://www.fudan.edu.cn/en/>
10. Monash University: <https://www.monash.edu>
11. Seoul National University: <http://www.useoul.edu>

### Part 2

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10. University of Melbourne: <https://www.unimelb.edu.au>
11. The American University of Paris: <https://www.aup.edu/admissions/undergraduate>

### Part 3

1. King's College: <https://www.kcl.ac.uk>
2. Massachusetts Institute of Technology: <http://www.mit.edu>
3. Delft University of Technology: <https://www.tudelft.nl/en/>
4. Technical University of Munich: <http://www.tum.de/en/>
5. Prirodoslovno-Matematički Fakultet: <https://www.pmf.unizg.hr/en>
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