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It is my pleasure to welcome you to the College of Science (CoS) at the Nanyang Technological University (NTU)! We are home to the Asian School of the Environment, School of Biological Sciences, and School of Physical and Mathematical Sciences. A young institution of barely 17 years old, CoS provides a world class research and education environment spanning classical and contemporary areas of the modern sciences.

CoS at NTU is unique in that it is a truly interdisciplinary college. Most members of our remarkable faculty cross two or more domains. For example, we have biologists exploring food science, chemists creating new materials, mathematicians making impact in computer science, and physicists working in financial engineering.

CoS faculty is devoted to advancing scientific knowledge through research and education. We are beginning to build a reputation on our research achievements and are leveraging on that base to continue to address scientific problems of major societal concerns, such as those exemplified by the Peaks of Excellence of Sustainable Earth, Global Asia, Secure Community, Health Society, and Future Learning in the NTU 2020 five-year strategic plan.

CoS degree programs are also known for the quality of its graduates. Our students have gained admission to top graduate schools around the world, including Harvard, UC Berkeley, and University College London. Many are also recruited by marquee employers such as Bloomberg, BP, Citibank, GlaxoSmithKline, Google, and Singapore Airlines.

I invite you to visit this wonderful ecosystem of research and education in CoS.

Professor Chee Yeow Meng
Dean, College of Science
The Asian School of the Environment (ASE) at Nanyang Technological University (NTU) is an interdisciplinary School that aims to be a world leader in environmental research focusing on environmental challenges in Asia.

The ASE integrates Earth and environmental life science, ecology, engineering and technology, human ecology, humanities, and the social sciences to address key issues of the environment and sustainability.

The ASE builds upon the strengths of the Earth Observatory of Singapore (EOS) and the Singapore Centre for Environmental Life Science Engineering (SCELSE), two research Centres of Excellence within NTU. The School also collaborates with the Complexity Institute and other academic units of the University.
ENVIRONMENTAL EARTH SYSTEMS SCIENCE (EESS)

The Environmental Earth Systems Science major is the flagship programme of the ASE. This highly selective programme favours a small cohort, creating an innovative and interactive learning environment. Students who choose this course will gain a strong background in quantitative skills, modern computing techniques, and core environmental earth systems sciences.
Our graduates are prepared with diverse skill-sets and knowledge to fill a wide array of both public and private sector positions or to pursue graduate programmes. Our graduates have job opportunities in Singapore and Southeast Asia as well as further afield, and are prepared to tackle the environmental challenges of the 21st Century.

Possible career options:
- Public sector positions (Government Agencies such as NParks and NEA)
- Non-Governmental bodies (WWF, Conservation International)
- Sustainability
- Natural resource management
- Geotechnical and environmental consulting
- Geologic surveying and monitoring
- Environmental planning and policy
- Spatial analysis
- Science Communications
- Teaching or research

Graduates will also have the opportunity to choose careers with employers not commonly associated with earth and environmental sciences, such as:
- Insurance companies, who rely on earth scientists to help assess long-term risk due to earthquake, volcanoes, climate change, and other natural disasters.
- Financial sector, where firms seek quantitative knowledge about the science driving changes in the energy market.
- Business, for companies that value technical know-how and creativity.
DOUBLE MAJOR:
ENVIRONMENTAL EARTH SYSTEMS SCIENCE AND PUBLIC POLICY AND GLOBAL AFFAIRS (ESPP)

ESPP is a new double major programme, combining courses from ASE and the School of Social Sciences. Students admitted to this multidisciplinary course will develop a strong background in quantitative environmental earth systems science and communication, public affairs and international relations. The joint programme will give students the opportunity to build complementary skills in leadership, collaboration, and innovative problem-solving, empowering the next generation of public policy makers with the tools required to face the challenges of today’s rapidly changing world.

Possible career options:
- Government roles - planning, policy, and management
- Foreign and domestic policy and communication
- Environmental media and journalism
- Academic research
- Education
- Conservation
- Non-government organisations

Graduates from this Double Major program will also have the unique opportunity to choose careers with employers bridging science, business and policy:
- Reinsurance companies, who rely on a balance of earth science data and policy intuition to help assess long-term risk.
- International governance, such as the World Bank, UNESCO and World Food Agency who seek graduates with quantitative knowledge about the science underlying fundamental changes in policy around the world.
- Businesses or corporations that value technical knowledge, creative problem solving and leadership ability when dealing with changing environmental policy and the global move towards improved global sustainability practices.

SCAN TO FIND OUT MORE!
The development of technology enabled learning platforms linked to outcomes-based learning objectives enabled our courses to provide students with continuous access to the subject content. This not only created a more interactive classroom environment for students, but also provides an avenue for them to develop creative skills in applying their knowledge, essential for future work environment.

To ensure that our curriculum remains relevant for our students, SBS established joint programmes in biomedical materials, psychology, food science and technology, biomedical structural biology, medicinal chemistry and pharmacology, as well as the newly introduced biobusiness programme. In addition, students will have the opportunity to understand the unique requirements of being

SCHOOL OF BIOLOGICAL SCIENCES

Since its inception in 2002, the key focus for the School of Biological Sciences (SBS) is to prepare and equip students with the skills and knowledge essential for today’s global environment.
successful in an industrial setting through our compulsory internship programme. They will also be able to get a first glimpse of cutting edge research through our research attachment and final-year projects, which equips them with the essential skills in teamwork and problem solving.

Last but not least, the rich mix of culture and nationalities among our professors and students, our varied opportunities for overseas study, and our partnerships with renowned institutes worldwide, provide a global perspective on science and industry for our students.
BACHELOR OF SCIENCE (HONOURS) IN BIOLOGICAL SCIENCES

The study of biology is highly relevant to everyday life. As the knowledge base in the biological sciences grows exponentially and technology becomes ever more sophisticated, the ability to think broadly about biology and application of knowledge across boundaries of disciplines will inevitably become a very valuable and powerful asset in both the scientific environment and many walks of life. Our mission is to provide support and resources for you to achieve your potential while celebrating the study of life. This programme will prepare you for a variety of career options, as the curriculum covers specialized and advanced topics in stem cells, cancer biology and therapy, physiology, evolutionary biology, neurosciences, amongst others. Implementation of compulsory internship might also enhance the possibility of securing a job after graduation.

BACHELOR OF SCIENCE (HONOURS) IN BIOLOGICAL SCIENCES WITH SECOND MAJOR IN BIOMEDICAL MATERIALS

Biomaterials science is a rapidly growing field and biomedical materials have an enormous impact on healthcare throughout the world. Moving forth, they will continue to be important in the advancement of patient care and in the medical industry.

With the emergence of tissue engineering and regenerative medicine, this also depicts increasing opportunities for young scientists to work on new clinical treatments for injury and diseases. Students of this interdisciplinary programme will undergo training in biological sciences as well as in areas of biomedical materials such as immunology, physiology, advanced biomaterials and nanomaterials.
BACHELOR OF SCIENCE (HONOURS) IN BIOLOGICAL SCIENCES WITH SECOND MAJOR IN BIOMEDICAL STRUCTURAL BIOLOGY

Structural biology has gained importance in the biomedical field, with an increasing impact on healthcare and medicine. Students of this interdisciplinary programme will undertake courses related to areas of study in structure-based discovery, structure-based vaccine design, structure-based design of biologics, structure-based design of novel biomaterials and structure-based design of protein engineering.

BACHELOR OF SCIENCE (HONOURS) IN BIOLOGICAL SCIENCES WITH SECOND MAJOR IN FOOD SCIENCE AND TECHNOLOGY

Conducted in partnership with the Wageningen University (The Netherlands), NTU School of Chemical and Biomedical Engineering and School of Physical and Mathematical Sciences, this is a popular programme introduced in 2013. Students with an interest in biology and wish to gain understanding about food processes through an engineering and industrial point of view will benefit from the interdisciplinary nature of this unique programme.
BACHELOR OF SCIENCE (HONOURS) IN BIOLOGICAL SCIENCES WITH SECOND MAJOR IN MEDICINAL CHEMISTRY AND PHARMACOLOGY

Conducted in partnership with the Division of Chemistry and Biological Chemistry at the NTU School of Physical and Mathematical Sciences, students of this interdisciplinary programme will be cross-trained in biological sciences and chemistry, offering wider career options. Providing a good foundation for students to embark on the area of chemical biology and pharmacology for research and development, students will not only be well equipped with knowledge in both disciplines, but will also be equipped with the relevant skill-sets to embark on careers in biomedical and pharmaceutical research and development.

DOUBLE MAJOR:
BACHELOR OF SCIENCE (HONOURS) IN BIOLOGICAL SCIENCES AND PSYCHOLOGY

In collaboration with the School of Social Sciences, this highly inter-disciplinary degree offers students the opportunity to specialize in two major academic disciplines from the two Schools. The programme equips students with transferrable skills of a combined education for successful careers in this rapidly changing environment.

In Singapore, the increased level of stress encountered by its population over the years led to a growing emphasis on the awareness of mental health as well as an increase in demand for professionals with an interdisciplinary training in Psychology. Students with a curiosity in areas such as human emotions, behaviors and thoughts can now adopt a more integrated approach towards understanding it as the programme offers a more consistent depth in both disciplines.

*NEW*

BACHELOR OF SCIENCE (HONOURS) IN BIOMEDICAL SCIENCES AND BIOBUSINESS

In collaboration with the Copenhagen Business School and Nanyang Business School, students will be provided a unique opportunity to be cross-trained in biomedical sciences/biotechnology and business/management with relevance to the biomedical/healthcare sector in Singapore and Southeast Asia. This includes biomedical manufacturing operations management and regulatory matters relating to biomedical and healthcare industry.

Immersion components are further included as an integral structure of this programme where the foundational knowledge and skills will be strengthened through professional internship in various business departments at multinational pharmaceutical, biotechnology and medical technology companies and local healthcare institutions. Students will then close the learning loop through a final year project in the final semester. They can fully explore and synthesize the theoretical knowledge and internship experience in a biobusiness-related project, or participate in laboratory-based biomedical science research prior to understanding the relevance of research and development for bio-products in the industry.
DOUBLE DEGREE:
BACHELOR OF SCIENCE (HONOURS) IN BIOMEDICAL SCIENCES
BACHELOR OF CHINESE MEDICINE

This unique five-year double degree programme is an amalgamation of the western approach to Biomedical Sciences with Traditional Chinese Medicine (TCM). The Bachelor of Science (Honours) in Biomedical Sciences is conferred by NTU and the Bachelor of Medicine (Chinese Medicine) is conferred by the Beijing University of Chinese Medicine (BUCM). The first three years of the double degree are taught at NTU, while the final two years are taught at BUCM in Beijing. This is a bilingual course with English and Mandarin as the medium of instruction. Students will learn aspects of biomedical sciences such as genetics, molecular & cell biology, immunology as well as TCM diagnostics, medications, acupuncture and moxibustion.
CAREER PROSPECTS

As a life sciences graduate from SBS, you will have a good set of career options ahead of you. A career as a medical doctor, veterinarian or research scientist, amongst others are popular routes taken by our graduates.

Our graduates are well sought after in hospitals, research institutes, government agencies and forensic departments in the public sectors. Not forgetting the commercial sectors who actively seek out life sciences graduates, including the pharmaceutical, biotechnology, food, water and agricultural industries for roles such as process engineers, biotechnologist, QA specialist and clinical researcher.

There is also a demand for life sciences graduates for contribution to the public understanding of science in the form of journalists, scientific writers and information/liaison officers. In the financial and legal sectors, they require analysts with life science knowledge for risk assessments, patents for molecular biology and biotechnology used for drug and medical applications. There is also the option of undertaking a postgraduate qualification with the National Institute of Education (NIE) for entry into the teaching profession.

Graduates with a Double Degree in Biomedical Sciences and Chinese Medicine are well positioned to consider careers in both life sciences/biomedical sciences and the Chinese Medicine industry. Majority of the graduates are employed as Chinese Medicine Physicians (subject to passing the Singapore Chinese Medicine Practitioners’ Board Exam) as well as management and administration positions in Healthcare organizations and clinics, just to name a few. We also have some graduates currently pursuing higher degree (Masters) in Chinese Medicine or research as PhD students at local universities.
POSSIBLE CAREER OPTIONS

HEALTHCARE
Eu Yan Sang, Jurong Health, Kin Teck Tong Clinic, KK Women’s & Children’s Hospital, Singapore General Hospital, Tan Tock Seng Hospital
E.g. Acupuncturist, Clinical Researcher, Healthcare Operations Executive, Hospital Executive, Management Associate, Pharmaceutical Sales, Physician, etc.

BIOMEDICAL & PHARMACEUTICAL
Amgen, GlaxoSmithKline, Johnson & Johnson, Lonza Biologics, Novartis Biopharma Operations
E.g. Clinical Researcher, Manufacturing Biotechnologist, Process Engineer, QA Specialist, Research & Development Officer, Validation Engineer, etc.

PUBLIC SECTOR
Agency for Science, Technology and Research (A*STAR), Genome Institute of Singapore (GIS), Institute of Molecular & Cell Biology (IMCB), KK Women’s & Children’s Hospital, Ministry of Education, Ministry of Health, National Environment Agency, Singapore Police Force, SingHealth
E.g. Forensic Specialist, Gynaecologist, Health Policy Analyst, Laboratory Management, Project Officer, Research Officer, etc.

BANKING. FINANCE. LEGAL
Bank of America Merrill Lynch, Citibank, DBS Bank, Deloitte & Touche, Drew & Napier LLC, Moody’s Singapore
E.g. Fixed Income Trader, Management Associate, Patent Officer, Relationship Management, Risk Consultant, Tax Consultant, Vice-President, etc.

ENTREPRENEURS
Aitreat, Archisen, Bio30 Technologies, BlazeRidge, In Vitro Pte Ltd, TCMTREND
E.g. Owner of Bio JD Printing Company, Owner & Physician of TCM Clinic, etc.

POSTGRADUATE STUDIES
Cambridge University, Duke-NUS Medical School, Karolinska Institutet, Nanyang Technological University, University of Edinburgh
E.g. Medical Student, MSc & Ph.D Student, etc.

OTHERS
E.g. Communication Accounts Executive, Marketing Associate (Events), Scientific Journalist, Scientific Writer Service Executive, etc.

SCAN TO FIND OUT MORE!
SCHOOL OF PHYSICAL AND MATHEMATICAL SCIENCES

The School offers eight 3-4 year Bachelor of Sciences (Honours) programmes that bring students up to the latest frontiers of science and technology.

Our programmes cover the fundamental scientific disciplines of chemistry, physics, and mathematics, as well as modern interdisciplinary topics such as nanotechnology and machine learning.

Our students are taught and mentored by faculty members who are global leaders in cutting-edge research topics, and our state-of-the-art scientific facilities provide an excellent environment for research and education.
**BACHELOR OF SCIENCE (HONOURS) IN CHEMISTRY AND BIOLOGICAL CHEMISTRY**

Students are offered a direct honours programme that satisfies the American Chemical Society curricular guidelines for a rigorous professional education in chemistry. In addition to the core contents, students may also opt for concentrations in areas of Food Science and Technology, and Medicinal Chemistry. Plenty of enrichment courses are available, such as Forensic Science, Impact of Chemistry on Society and many more.

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**BACHELOR OF SCIENCE (HONOURS) IN CHEMISTRY AND BIOLOGICAL CHEMISTRY WITH SECOND MAJOR IN FOOD SCIENCE AND TECHNOLOGY**

The Food Science and Technology Second Major programme is a collaboration between NTU and the prestigious Wageningen University from the Netherlands, whose Food Technology programme is considered one of the best and most innovative in Europe. It builds upon three of NTU’s existing BSc/BEng programmes in which students will be awarded a certificate for the Second Major upon graduation.
CAREER PROSPECTS

Chemistry graduates can find ready employment in a wide range of chemical-related industries in Singapore and overseas. These include the biomedical and pharmaceutical industries, the petrochemical industries, polymer/paint/semiconductor industries and the food and beverage industry. A*STAR research institutes and other public sector agencies such as Health Sciences Authority and DSO National Labs are also eager employers. Many chemistry graduates have chosen a career in education taking up the remarkable role of an educator who shapes the minds of the next generation.

BACHELOR OF SCIENCE (HONOURS) IN PHYSICS

The Physics degree equips students with the analytical, computational, and experimental skills for working at the frontiers of science and technology. Emphasis is placed on fundamental theories and concepts, with courses in advanced quantum mechanics, condensed-matter physics, particle physics, computational physics, and more. Students may also opt for a course concentration in Nanotechnology.

BACHELOR OF SCIENCE (HONOURS) IN PHYSICS WITH SECOND MAJOR IN MATHEMATICAL SCIENCES

Alongside a first major in Physics, outstanding students may pursue a second major in the Mathematical Sciences. This academically challenging second major programme provides in-depth training in both physics and mathematics, and is especially suitable for students who are interested in postgraduate studies in theoretical physics, computational physics, or similar areas.
CAREER PROSPECTS

Physics and Applied Physics graduates have a wide range of career choices. Our curriculum emphasizes creativity, active collaboration and effective communication, along with exposure to research and work attachments. Our graduates have gone on to careers with semiconductor companies, optics and scientific equipment manufacturers, telecommunications companies, quantitative finance firms, research and development (R&D) institutes, academia, and education.

BACHELOR OF SCIENCE (HONOURS) IN MATHEMATICAL SCIENCES

This programme offers a good mix of fundamental, as well as the applied, computational, and the industrial aspects of Mathematics and Statistics. Students undergo 18 months of foundational courses; thereafter they will choose their specialisations either in the Statistics stream, the Pure Mathematics stream the Applied Mathematics stream or the Business Analytics stream. The emphasis of this degree lies in breadth, flexibility and relevance.

BACHELOR OF SCIENCE (HONOURS) IN APPLIED PHYSICS

Applied Physics is a discipline that specializes in finding technological applications for the latest discoveries in physics. Students majoring in Applied Physics are exposed to cutting-edge topics such as nanotechnology, microfluidics, photonics, plasmonics, and laser physics. Students may also opt for course concentrations in Nanotechnology, Optical Technology, Semiconductor Technology, or Biophysics.

BACHELOR OF SCIENCE (HONOURS) IN MATHEMATICAL SCIENCES WITH MINOR IN FINANCE

The use of mathematical methods has now become widespread in all areas of finance and economics, and the Minor in Finance in addition to a Major in Mathematical Sciences is designed to respond to this demand and to give an edge to the mathematics student. This Minor is offered by the Nanyang Business School, exclusively to selected Mathematical Sciences students who will be taking additional courses in Banking and Finance.

DOUBLE MAJOR: BACHELOR OF SCIENCE (HONOURS) IN MATHEMATICAL SCIENCES AND ECONOMICS

This highly interdisciplinary programme, in partnership with the School of Social Sciences, shapes our students into individuals with the skills most sought-after by the financial services industry. Other than the common foundational courses, the emphasis in the later study of Mathematics will be the numerical computational and statistical methods. For Economics, quantitative techniques and the fundamental economic concepts will be emphasised. This programme provides students with strong interdisciplinary skillsets. With a strong background in statistics and economics, graduates from this programme will also find themselves well prepared for further studies in Economics.
**NEW!**

**DOUBLE MAJOR:**

**BACHELOR OF SCIENCE (HONOURS) IN MATHEMATICAL AND COMPUTER SCIENCES**

This programme aims to attract top students who can master the technically demanding disciplines from both schools. Graduates from the programme are expected to either be ICT leaders and entrepreneurs in fast developing areas such as Financial Technology, Cybersecurity, and Data Analytics, or pursue postgraduate degrees in Mathematics and Computer Science related disciplines. The programme provides students with strong foundations in their two majors with core courses, and in-depth specialized training in one of four areas at the interface of Mathematical Sciences and Computer Science—Theoretical Computer Science, Cryptography and Cybersecurity, Financial Modelling, and Data Science. Finally, the programme ends with a Professional Internship and a Final Year Project.

**NEW!**

**BACHELOR OF SCIENCE (HONOURS) IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE**

This programme equips students with strong foundation in mathematics, statistics and computer science and prepares them for a career in the rapidly expanding field of data science and artificial intelligence (AI) as data scientists or AI scientists.

Students will study core courses in Mathematical Sciences and well as Computer Sciences to build up foundation and develop interdisciplinary insights. In the later part of the programme, students will deepen their understanding by reading more advanced topics such as optimization, regression analysis, high-dimensional statistics, data mining machine learning and cryptography. Riding on the wealth of NTU’s strong collaboration with the industry, students will also benefit from participation in internship and industry oriented research projects.
CAREER PROSPECTS

Mathematics graduates often play a leading role in fields as diverse as finance, I.T., biotechnology, and many others. Attesting to the versatilities of a mathematical training, it is very common for mathematicians to obtain jobs with titles like “Risk Analyst”, “Actuary”, “Clinical Trials Manager”, “Epidemiologist” and countless others. Mathematics gives you a superb foundation for later specialization, and a set of analytical skills that would be valued by any employer.

As the demand for data science and artificial intelligence (DSAI) specialists is growing rapidly, DSAI graduates can expect a rewarding career as a data science expert or an AI specialist across various sectors, ranging from government agencies such as health care and transportation authorities, to industry players such as e-commerce, infocomm and financial services sector.

SCAN TO FIND OUT MORE!
KICK-START YOUR CAREER
WITH CAREER & ATTACHMENT OFFICE

CAO Offers a broad range of programmes and services to help you get closer to your dream job, including:

- Career Exploration & Coaching
- Industry-Specific Career Consultation
- Online Core Career Module by MLCPS*
- Career & Employability Skills Workshops
- NTU PEAK Leadership Programme
- Credit-Bearing Internships & Work-Integrated Education
- Industry Mentorship and Job Shadowing Programmes
- Career Fairs, Recruitment Activities and Networking Events
- CareerAxis – CAO Online Portal

*Margaret Lien Centre for Professional Success (MLCPS) module aims to instil lifelong skills in you, so that you can excel in your career.

To find out more, visit www.ntu.edu.sg/cao.

“I was initially very worried about not being able to find a job amidst the economic downturn. NTU Career & Attachment Office’s career services have indeed equipped me with the necessary skills needed to secure interviews and ultimately, a job. The staff are very experienced and sincere in helping me. The coaching sessions, in particular, have helped me secure a job less than a month after the final exams. I highly recommend approaching CAO for help; their profound industry knowledge and experience will greatly value-add to your job search.”

Samantha Tan Ruo Yu
College of Science
## ADMISSION REQUIREMENTS
### FOR BACHELOR OF SCIENCE PROGRAMMES

### ASIAN SCHOOL OF THE ENVIRONMENT

<table>
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<tr>
<th>PROGRAMMES</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
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<tbody>
<tr>
<td>Environmental Earth Systems Science</td>
<td>H1 Level pass in Mathematics and H2 Level pass in either Physics, Chemistry, Biology, Economics or Computing</td>
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<tr>
<td>Double Major in Environmental Earth Systems Science and Public Policy and Global Affairs</td>
<td>Good in either General Paper, Knowledge &amp; Inquiry, H1 Level History, English Literature or Geography (For ESPP only)</td>
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*Please visit us on the web to learn which polytechnic diplomas are eligible for our programme.*

### SCHOOL OF BIOLOGICAL SCIENCES

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<tr>
<th>PROGRAMMES</th>
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<tbody>
<tr>
<td>Biological Sciences/ Biological Sciences with Second Major in Biomedical Structural Biology/ Biological Sciences with Second Major in Medicinal Chemistry and Pharmacology¹ / Biological Sciences with Minor in Business/ Double Major in Biomedical Sciences and BioBusiness</td>
<td>At least H1/SL or equivalent pass in Mathematics and a good H2/HL or A Level equivalent pass in Physics, Chemistry or Biology ¹H2 Level pass in Chemistry</td>
</tr>
<tr>
<td>Biological Sciences with Second Major in Food Science and Technology</td>
<td>At least H2 or equivalent pass in Mathematics and a H2 Level or equivalent pass in Physics, Chemistry or Biology OR At Least H1 or equivalent pass in Mathematics and two H2 Level or equivalent pass in Physics, Chemistry or Biology</td>
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<tr>
<td>Biological Sciences with Second Major in Biomedical Materials</td>
<td>At least H2/HL or equivalent pass in Mathematics and a H2/HL Level pass in Physics, Chemistry or Biology and a H1 Level pass in Physics ²SL/O Level or equivalent pass in Physics is applicable to applicants who have not read Physics at H2/H1 Level</td>
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¹H2 Level pass in Chemistry

²SL/O Level or equivalent pass in Physics is applicable to applicants who have not read Physics at H2/H1 Level
### SCHOOL OF PHYSICAL AND MATHEMATICAL SCIENCES

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<th>PROGRAMMES</th>
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<tbody>
<tr>
<td>Chemistry and Biological Chemistry/Chemistry and Biological Chemistry with Second Major in Food Science and Technology</td>
<td>Good H2/HL/A Level or equivalent pass in Mathematics, good H2/HL/A Level or equivalent pass in Physics, Chemistry or Biology, and a good grade in General Paper or Knowledge &amp; Inquiry</td>
</tr>
<tr>
<td>Data Science and Artificial Intelligence</td>
<td>Good H2/HL/A Level or equivalent pass in Mathematics and either Physics, Chemistry, Biology or Computing</td>
</tr>
<tr>
<td>Mathematical Sciences/Mathematical Sciences with Minor in Finance</td>
<td>Good H2/HL/A Level or equivalent pass in Mathematics</td>
</tr>
<tr>
<td>Double Major in Mathematical Sciences and Economics</td>
<td>Good H2/HL/A Level or equivalent pass in Mathematics and good grade in General Paper or Knowledge &amp; Inquiry</td>
</tr>
<tr>
<td>Double Major in Mathematical and Computer Sciences</td>
<td>Good H2/HL/A Level or equivalent pass in Mathematics and either Physics, Chemistry, Biology or Computing</td>
</tr>
<tr>
<td>Physics/Applied Physics/Physics with Second Major in Mathematical Sciences</td>
<td>Good H2/HL/A Level or equivalent pass in Physics and Mathematics</td>
</tr>
</tbody>
</table>
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