A Leading Global University
Centered in Asia, Influencing the Future

YOUR FUTURE, OUR PRIORITY

Undergraduate Prospectus 2013/2014
Greetings from the National University of Singapore!

I am delighted that you are considering NUS for your higher education.

NUS is committed to a broad-based education distinguished by its rigour, experiential learning and global education. In the rich academic offerings in our faculties and schools, you will find opportunities to explore and pursue many different academic pathways and programmes that best suit your strengths and interests.

At NUS, we understand the importance of creating a learning environment where students are encouraged and challenged to think about issues differently, to question assumptions and to explore novel approaches. We would like to work with you to nurture the rigour and problem-solving abilities, imagination and curiosity, as well as the personal and inter-personal skills which will serve you well in work and life in the future. In addition, our distinctive global education programmes prepare our students to be effective in diverse cultural settings. More than 60% of NUS undergraduates have an overseas educational experience with nearly 30% spending a semester or more overseas.

The NUS Overseas Colleges provide a unique experiential entrepreneurship education through internships in start-up companies in 7 entrepreneurial hubs around the world. NUS also offers our students a range of prestigious double and concurrent degree programmes with top overseas universities.

On the NUS campus in Singapore, you will find a rich and vibrant student life. The new NUS University Town provides a myriad of new, state-of-the-art learning, cultural, social and sports facilities for the entire NUS community. In particular, I would encourage you to consider staying in one of the University Town Residential Colleges, or our Halls of Residence, which will provide you many new opportunities for exploration and personal growth.

I hope that this undergraduate prospectus will help you better understand the way our students learn and the special opportunities we offer to differentiate our graduates and our university. Come join us and be a part of a leading global university, centred in Asia!

TAN CHORH CHUAN
President
National University of Singapore
NATIONAL UNIVERSITY OF SINGAPORE

A LEADING GLOBAL UNIVERSITY CENTRE IN ASIA, INFLUENCING THE FUTURE

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NUS’ rigorous multidisciplinary programmes allow students to see things from a whole new perspective. Students will be able to grasp the key concept of how the different subjects are related and intertwined in order to formulate or develop better solutions, and acquire a different paradigm in problem-solving.
NUS HAS

16
FACULTIES AND SCHOOLS

55
BACHELOR’S DEGREES
At NUS, learning is dynamic and transformative, and it goes beyond the classroom and textbooks. With its holistic approach, NUS integrates out-of-classroom activities into its pedagogy.

The University Town Residential Programme (UTRP) introduces a new educational model where students from various disciplines interact with faculty members in an integrated living and learning environment. The College of Alice & Peter Tan and Tembusu College, which offer the programme, promote an enriching education through multidisciplinary modules taught in small classes and out-of-classroom learning.

The University Scholars Programme (USP) is an interdisciplinary academic programme for NUS undergraduates offering them the freedom to explore across disciplines, a wide range of extracurricular and overseas opportunities, and a close-knit community of exceptionally motivated and talented students. The aim is to produce graduates with intellectual rigour, initiative, and an innovative spirit to make significant contributions to the society.
UTOWN
1ST

OF ITS KIND IN SINGAPORE’S HIGHER EDUCATION LANDSCAPE

Master’s Tea with Former Attorney-General Professor Walter Woon at College of Alice & Peter Tan

At UTown, spaces for learning, living, arts and culture, sports and social activities are interlaced

Culture Night at Tembusu College
Enlivening and invigorating, student life in NUS is as adrenaline-packed as you make it to be! At any time in the year, you will be able to take part (either as a participant or as a spectator) in any one of the many events that celebrate and express the beauty and uniqueness of sports and culture on campus.

This was my first time meeting my new classmates and I did not know what to expect. Camp was short, just 2 days 2 nights but packed with fun activities and many opportunities to interact with my classmates. Any reservations about it turning out to be boring and awkward disappeared soon after the program started!

Rag & Flag 2012

The NUS sports awards ceremony is an event to celebrate the sporting achievements of the athletes of NUS. I participated in this event as a recipient of NUS’s inaugural sports scholarship.
“Every Dental freshman and year 2 students are involved in Rag and Flag. As our faculty is small, this short period of only two weeks really helped me to get to know my classmates and seniors a lot better. We had to build a float and come up with a performance to showcase at the promontory. It was like a second orientation which turned out to be lots of fun even through the hardships that we faced!”

Andrew Lim
NUS Sports Scholar, Faculty of Dentistry
An education in NUS extends well beyond the lecture halls. Transcending academia, the NUS experience promises to be a fun, exciting and an inspiring one. In its vibrant campus, not only are the students’ intellectual needs are met, their social, physical and emotional well-being are not left wanting too. Whether their interests lie in sports, theatre, music, or arts; or if they are looking to indulge in cultural and social activities, they will find that there's always a kaleidoscope of activities to keep them entertained.
80
RENOWNED HOME-GROWN ARTISTES

28
CAMPUS ARTS GROUP
At NUS, learning is not confined to the local scene. It goes way beyond geographical, cultural, language and educational boundaries. NUS students can expect to benefit from intensive international programmes that are made available to them. NUS has partnered global leading universities and institutions to offer its students a transformative learning experience.
“I embarked on a semester-long exchange in the second semester of my 3rd year of studies to Trinity College Dublin, Ireland. This exchange programme was offered by the Faculty of Arts and Social Sciences. I was blessed with the opportunity to take a class with the deaf studies department where I was taught by a deaf professor, with the help of an interpreter for the whole class.”

Phoebe Elizabeth Lim Pei Jun
Year 4, Psychology, Faculty of Arts & Social Sciences

Having a chat with a little boy and his sisters - locals of an ethnic minority in Sapa, North Vietnam

All smiles at the end of a full day’s activities at a local primary school

Interacting with the children during lunch break

On the grounds of the beautiful Trinity College Dublin
The Student Exchange Programme (SEP) is an academic programme in which NUS students spend a semester or two at an overseas partner university, earning credit towards their NUS degree. It provides students with the opportunity to experience student life in a foreign country, pick up a new language, experience different cultures, overcome novel challenges and make new friends.

NUS Overseas Colleges (NOC) is a prestigious entrepreneurship development programme that gives NUS students the opportunity to spend up to a year of their undergraduate life abroad -- working and studying in leading entrepreneurial and academic hubs around the world. The programme aims to cultivate resourceful and enterprising self-starters.

OVERSEAS COLLEGES AT MAJOR ENTREPRENEURIAL HUBS

(Wuhan Summer Programme) At Suzhou Museum design by renowned Mr I. M. Pei

(Wuhan Summer Programme) Shopping in China during our recreation period.

Glass Artistry

A Singaporean "construction worker" in India, now I appreciate how much effort and sweat construction workers puts in to build our homes and skyscrapers.

Sailing along the holy river, Varanasi, with our boatman.
"In NUS there is a vast amount of opportunities and experience, whether you are interested in sports, entrepreneurship, cultural or humanitarian works. My time in NUS has been enriched by the overseas experience in China (Summer Exchange Programme) and India (NUS Overseas College). Enrich your learning journey when you engage in a myriad of opportunities that awaits you!"

Thng Wen Ping
Year 4, Project and Facilities Management, School of Design and Environment
With a strong faculty, globally recognised degrees, and rigorous multidisciplinary degree programmes, NUS is a highly regarded institution that balances a good measure of in-class teaching and out-of-class activities with a slew of academic programmes conducted locally and overseas. Since its establishment, NUS has been well regarded both in the academic circle and the corporate world. Throughout the years, it has produced world-class professionals that assume leadership roles in both the private and public sectors.
“I chose NUS primarily because of NUS Overseas College. I’d always dreamed of being an entrepreneur but I needed to get past my fear of failure, and muster enough courage to do a startup right after school. And NUS helped me achieve that through a year of working and studying with the brightest, bravest and most creative entrepreneurs in Silicon Valley.”

“Besides a solid academic foundation, I have benefitted from a variety of activities such as business plan competitions and internships. All these helped me to discover and reaffirm my passion in setting up a technology company and use technology to solve problems. So I started Carousell right after graduation to do that.”

Quek Siu Rui
Business Administration, 2012
NUS graduates are highly sought after and they are the preferred choice for employment in the job market. According to the ‘2011 Graduate Employment Survey’, 95% of NUS graduates was offered their first job within six months of their job search. Not only is their employability based on academic merits, it also takes into consideration the graduates’ skill sets that are relevant to their field of expertise.

NUS has set up the NUS Career Centre to equip, prepare, and transit students for the work place -- with a holistic Graduate Talent Development Framework. Under this Framework, students will undergo a broad-based career preparation programme under the HeadStart and StepUp Series. Niche programmes such as the Global Talent Programme and the NUSLEAD Programme further stretch and develop high achievers and top students into global talents.
The Faculty of Arts and Social Sciences (FASS), National University of Singapore is a premier university in Asia offering humanities and social sciences with an emphasis on Asia.

FASS OFFERS CHOICES IN TERMS OF SUBJECTS, PROGRAMMES, OVERSEAS OPPORTUNITIES AS WELL AS A BROAD-BASED EDUCATION THAT TRAINS STUDENTS TO CONSIDER ISSUES FROM DIFFERENT VIEWPOINTS.
THE FACULTY OF ARTS AND SOCIAL SCIENCES (FASS) IS ONE OF THE EARLIEST ESTABLISHED FACULTIES IN THE UNIVERSITY WITH ITS ORIGINS DATING BACK TO 1929.

EXPLORE BEYOND THE SOCIAL INTELLECT

The Faculty of Arts and Social Sciences (FASS) is one of the largest at NUS, comprising about 6,000 undergraduates and 1,000 graduate students with an estimated intake of 1,900 students annually.

The Faculty offers the most comprehensive education in Humanities, Social Sciences and Asian Studies in Singapore and the region. The three divisions of Asian Studies, Humanities and Social Sciences house 16 departments and programmes offering 19 undergraduate subjects. All departments offer both Major and Minor programmes.

Additionally, its Centre for Language Studies provides unmatched language learning in the following languages: Arabic, Bahasa Indonesia, Mandarin, French, German, Hindi, Japanese, Korean, Malay, Tamil, Thai, and Vietnamese.

FASS also offers multidisciplinary minors such as China Studies, Cultural Studies, English Studies, Gender Studies, Geographical Information Systems, Geosciences, Health and Social Science, Religious Studies, Science, Technology and Society, and Urban Studies.
DEGREE PROGRAMMES

BACHELOR OF ARTS
BACHELOR OF ARTS (HONOURS)
BACHELOR OF SOCIAL SCIENCES (HONOURS)

All undergraduates enroll in a four-year programme leading to the Bachelor of Arts (Honours) or Bachelor of Social Sciences (Honours) degree in a single major. Those who choose not to complete or do not fulfill the Honours requirements will graduate with a Bachelor of Arts degree.

Students who meet the requirements can apply for a Double Major or a Double Degree programme. They will subsequently graduate with two areas of distinct but complementary expertise.

Top GCE ‘A’ Level applicants will be given the chance of direct admission to their preferred major (pre-requisites apply). To be eligible for this scheme, applicants must have obtained an A grade for at least three of their H2 Level subjects at one sitting. Eligible candidates will be invited to indicate their preferred major upon successful admission into FASS.

(Note: this scheme only applies to students who take the GCE ‘A’ Level examinations held jointly with the Ministry of Education in Singapore.)

STRUCTURED DOUBLE DEGREE PROGRAMMES

COMMUNICATIONS AND NEW MEDIA AND BUSINESS ADMINISTRATION/ACCOUNTANCY

This programme is jointly offered by FASS and the NUS Business School. It allows students to acquire an in-depth understanding of two complex and connected areas. Graduates from communication and media programmes are expected to perform tasks that include business training; while business graduates are expected to know how to communicate effectively with the public, manage a crisis, or chart technological trends.

ECONOMICS AND LAW

Offered by FASS and the Faculty of Law, this programme draws upon the strength of the

Being in FASS made me realise that life in NUS is not all about studying. Getting a fresh perspective on life is as important a part of an education. Having had the opportunity to intern at a refugee centre in South Africa and witness the effects of the anti-apartheid struggle in that country, the eye-opening and bittersweet experience changed my outlook on life. The FASS curriculum’s extensiveness and rigour is evident in the skills which proved useful to me in an overseas environment and it will definitely prepare me for future job placements both locally and internationally.

SIEW QI HUA TIMOTHY
Year 2, Sociology
modules of the existing Economic and Law degrees. Graduates of the programme will be fully fledged economists and lawyers with special knowledge of the interconnections between the two disciplines. They will be in high demand by law firms with international presence, established commercial banks, and government agencies.

ECONOMICS AND ENGINEERING
A programme offered by FASS and the Faculty of Engineering, this programme allows students to develop complementary areas of expertise. Both Economics and Engineering are concerned with solving problems, and the programme will provide the student with an advanced understanding of the close connections between the two disciplines. Students will graduate fully equipped as both engineers and economists.

ECONOMICS AND BUSINESS ADMINISTRATION/ACCOUNTANCY
Jointly offered with the NUS Business School, this programme integrates the multidisciplinary aspects of Business Administration/Accountancy with the science of problem-solving in Economics. Graduates will be fully qualified to pursue a career in national economic policy making and market analysis in major financial institutions and multinational corporations.

INTERDISCIPLINARY DEGREE PROGRAMME
ENVIRONMENTAL STUDIES
Jointly offered by FASS and the Faculty of Science (FoS) since 2011, this new interdisciplinary four-year direct honours degree programme is designed for top students with a passion for the environment. The programme adopts a broad-based and interdisciplinary approach to address societal and scientific needs for understanding complex, modern environmental issues; some examples would be climate change, land use, water usage, alternative energy and the building of livable high-density cities.

The programme also harnesses the synergies of domain experts from the Faculty of Engineering, Faculty of Law, School of Design and Environment, NUS Business School, Yong Loo Lin School of Medicine, and Lee Kuan Yew School of Public Policy.

The programme offers a common two-year broad-based curriculum where students will study Biology, Chemistry, Mathematics, Statistics, Geography, Building, Law, Management and Policy, before specialising in one of the two areas of Environmental Studies - Environmental Biology with FoS and Environmental Geography with FASS. Other specialisations may be introduced in the future. Highlights of this programme include field classes/courses to gain hands-on experience, internship opportunities at environmental agencies, environmental research establishments and a Distinguished Visitors Seminar Series where students can interact with eminent scientists and politicians.

DOUBLE AND JOINT DEGREE PROGRAMMES WITH EXTERNAL UNIVERSITIES

JOINT BACHELOR OF ARTS DEGREE WITH UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL
Offered by the University of North Carolina, Chapel Hill and NUS, this programme combines the strength of both curricula and allows integrating
international experience fully into a student’s course of study. Involving five majors -- Economics, English Literature, Geography, History and Political Science – eligible students may apply for admission upon completion of their first year at FASS if one of their declared majors is in any of the five listed above.

**JOINT BACHELOR OF SOCIAL SCIENCES (HONOURS) DEGREE IN ACTUARIAL STUDIES AND ECONOMICS WITH AUSTRALIAN NATIONAL UNIVERSITY**

This joint degree offered by The Australian National University (ANU) and NUS will enable students, subject to sufficiently high performance on particular modules, to complete parts 1 and 2 of the qualification for Fellowship of the Institute of Actuaries of Australia. Half of the study takes place in Singapore and the other half in Australia. The programme, which includes elements of the NUS curriculum, aims to produce broadly educated graduates as well as experts in Economics and Actuarial Studies.

**DOUBLE BACHELOR OF ARTS (HONOURS) DEGREE WITH WASEDA UNIVERSITY (SCHOOL OF INTERNATIONAL LIBERAL STUDIES)**

This undergraduate programme is offered to FASS students who are in the University Scholars Programme (USP). They will be required to spend the third and the fifth year of their studies in the School of International Liberal Studies at Waseda University, Japan.

the University Scholars Programme (USP) from NUS are research-based undergraduate programmes suited for high achieving students. This joint degree programme is available to FASS USP students who major in any of the following subjects: English Literature, History, Philosophy, and Theatre Studies.
## ADMISSION CRITERIA

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<tr>
<th>MAJOR</th>
<th>SUBJECT</th>
<th>PREREQUISITES</th>
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| **CHINESE LANGUAGE/ CHINESE STUDIES**| *’A’ LEVEL CURRICULUM:*  | - At least a B4 grade for Higher Chinese at GCE ‘O’ level, Chinese Language at ’AO’ level OR  
- A pass in Chinese at GCE ’A’ level  
- Higher Chinese at GCE ’A’ level OR  
- At least a C grade for Chinese Language (H1CL) at GCE ’A’ level OR  
- A pass in Chinese Language and Literature (H2CLL) at GCE ’A’ level  
Chinese Language and Literature (H3CLL) at GCE ’A’ level  
Students with other similar qualifications should approach the department for clarification |
| **ENGLISH LANGUAGE / ENGLISH LITERATURE/ THEATRE STUDIES** | Exempted from NUS Qualifying English Test OR  
PASSED NUS Qualifying English Test OR  
Exempted from further CELC Remedial English modules |
| **MALAY STUDIES**                    | A pass in Higher Malay Language at GCE ’O’ level OR  
A H1 pass in Malay Language at GCE ’A’ level OR  
A H2/H3 pass in Malay Language and Literature at GCE ’A’ level  
Students with other similar qualifications should approach the department for clarification |
| **PSYCHOLOGY**                       | A pass in Mathematics at GCE ’O’ level or its equivalent. To major, students must obtain at least a B- grade in each of these modules: PL1101E and PL2131 |
| **MAJOR**                            | THESE SUBJECTS HAVE NO PREREQUISITES |
| Communications and New Media         | NIL                      |
| Economics                            | NIL                      |
| European Studies                     | NIL                      |
| Geography                            | NIL                      |
| Global Studies (New)                 | NIL                      |
| History                              | NIL                      |
| Japanese Studies                     | NIL                      |
| Philosophy                           | NIL                      |
| Political Science                    | NIL                      |
| Social Work                          | NIL                      |
| Sociology                            | NIL                      |
| Southeast Asian Studies              | NIL                      |
| South Asian Studies                  | NIL                      |
SUMMER PROGRAMMES

Students will have the opportunity to apply for one of the following FASS summer programmes:

1. FASSTRACK ASIA: THE SUMMER SCHOOL

   This is a six-week, intensive summer programme offered from the 2nd week of June to the 3rd week of July. It is open to NUS students, as well as international students from partner universities around the world.

   The modules offered by the five Asian Studies Departments, Department of Economics and the Centre for Language Studies are Asian-focused, and some will include an overseas field trip to a country in Southeast Asia.

   FASStrack Asia also features the International Alliance of Research Universities Global Summer Program (IARU-GSP) - Southeast Asia in Context - as part of its larger summer offering. On top of that, students can also experience on-campus living in UTown accommodations in this residential summer programme.

2. ODYSEA

   Jointly offered by FASS and the Faculty of Science (FoS), OdySEA is a summer programme that seeks to bring participants on an intellectual journey to certain parts of Southeast Asia. The programme will challenge them to self-reflect, and return to Singapore with a new sense of self in relation to the region. Offered in Special Term II, OdySEA is a two-module programme that includes a capstone module and an elective with a one-week field trip to one or two Southeast Asian countries.

OTHER ACADEMIC PROGRAMMES

1. FACULTY’S STUDENT EXCHANGE PROGRAMME (SEP)

   Eligible students are encouraged to take up the Faculty’s Student Exchange Programme (SEP), for an eye-opening experience with a partner university during one of the semesters. They will get the chance to map their credits towards obtaining their degree at NUS, expand their academic horizons, and enrich their experiences in a different environment and culture.

   They may choose from one of the partner universities in the Americas, Europe, Asia, and Australasia. There are also opportunities for students to read a joint minor with the University of Toronto (UoT), Canada. This is a unique opportunity for students to benefit from the strengths of both universities. The joint minor offered is:

   - Joint Minor in “Urban and Regional Change in North America”

2. IMMERSION PROGRAMMES

   Immersion programmes offer a complete language learning experience which include home stays, language classes, hands-on project work, workshops on the cultural and socio-historical aspects of the country, and visits to nearby cities and attractions in the region. Students may participate in the immersion programmes in one of the following countries: France, Thailand, Indonesia, Vietnam or Germany.

3. FIELD STUDIES

   Field Studies are designed for students to apply knowledge acquired from the classroom into a real world situation. The Geography Field Studies module, for instance, has been successfully conducted over the years in Thailand. Through Field Studies, students develop a better awareness of local cultures, good interpersonal skills, and complementary abilities in order to complete their field tasks.
LANGUAGES

CRITICAL THINKING AND ANALYTICAL SKILLS
The emphasis on critical thinking and analytical skills helps produce articulate and independent individuals. The graduates will work for a range of employers from government ministries to multinational corporations. Their roles include, but are not limited to:

- Advertising, marketing, corporate communications and events management
- Arts and cultural industries
- Banking and finance
- Broadcasting and journalism
- Domestic and international consultancy
- Economic and urban planning
- Editorial work and publishing
- Information technology
- Tourism planning
- Transport planning
- Social work
- Survey research and statistical analysis
- Teaching and research

DISTINGUISHED ALUMNI
FASS boasts the largest number of alumni at NUS – more than 44,000.

They include distinguished public figures such as our former president of Singapore, S R Nathan and Emeritus Senior Minister Goh Chok Tong.

FOR GENERAL ENQUIRIES

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W www.fas.nus.edu.sg/prospective/undergrad.html
YOUR FUTURE, OUR PRIORITY

NUS BUSINESS SCHOOL

ADVANCING KNOWLEDGE AND DEVELOPING LEADERS FOR BUSINESS AND SOCIETY
GROOMING ANALYTICAL, CARING & ENTERPRISING INDIVIDUALS

LEARNING BEYOND THE CLASSROOM
NUS BUSINESS SCHOOL

NUS Business School, Asia’s Global Business School, offers the region’s pre-eminent undergraduate leadership and management programmes. The NUS BBA is the most established business programme in Singapore. Since 1965, the School has nurtured and groomed business and public leaders of Singapore and the world over. The School contributes management thought leadership by integrating the breadth of Western knowledge with deep Asian insights.

The School has been equipping its students to be at the forefront of the global first league, where they help international businesses to succeed in Asia and propel Asians onto the business arena. The School, with its BBA programmes, abides by three pillar principles: to Engage each young mind through its rigorous curriculum, Enrich each student’s experience through the co-curricular opportunities and vibrant campus life, and Empower them to

YEARS OF NURTURING BUSINESS LEADERS

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lead through structured development programmes like the Career Preparatory Programme, Alumni Grouping, Business-related clubs, and Scholarship and Bursary schemes. The commitment to these serves to instill qualities of Analytical-Thinking, Care for the community and Entrepreneurship in each BBA student, thus empowering them to succeed in the next stage of life after university.

**BACHELOR OF BUSINESS ADMINISTRATION (BBA)/BACHELOR OF BUSINESS ADMINISTRATION WITH HONOURS [BBA (HONS)]**

This programme provides a thorough grounding on the latest management concepts and business practices. It equips students to be effective and versatile business leaders with its rigorous academic programme, which adopts a global focus seen through an Asian perspective. Students may freely choose specialisations in Finance, Management, Marketing, and Operations & Supply Chain Management. There is also a strong emphasis on practical relevance. Students will be put under real-world situations through internships, consulting practica, and career development workshops and seminars throughout the programme.

Many say that the quality of education depends on what you make of your opportunities. They would be glad to hear that opportunities are aplenty in NUS Business School, where you have many chances to learn beyond the classroom. During these four years, I received and seized opportunities to participate in academic exchange programmes and international competitions in Denmark, Canada, New Zealand, Hong Kong, and China where I could exchange ideas with outstanding individuals with diverse interests and backgrounds. The academic programme at NUS Business School is also intellectually stimulating, with professors who inspire me to think deeper and to question the status quo. These experiences have pushed me to maximise my potential and expand my boundaries.

PEH CHE MIN
Year 4, Bachelor of Business Administration

**BACHELOR OF BUSINESS ADMINISTRATION (ACCOUNTANCY) [BBA (ACC.])/BACHELOR OF BUSINESS ADMINISTRATION (ACCOUNTANCY) WITH HONOURS [BBA (ACC.) (HONS)]**

This programme is a professional qualification fully recognised by the Accounting and Corporate Regulatory Authority (ACRA) of Singapore, and accredited by CPA Australia. Graduates of the programme will benefit from exemptions from examinations of the Association of Chartered Certified Accountants (ACCA) and Chartered Institute of Management Accountants (CIMA). Graduates may also apply to be registered as public accountants in Singapore without additional coursework.

Besides providing trainings in accounting, the programme also imparts essential business and management skills to its students. Throughout the programme, students are required to complete an internship programme, through which many will receive employment offers. Students may also choose to read a Finance specialisation.
DOUBLE DEGREE PROGRAMMES

This unique combination offers students the opportunity to complete two full degrees in different disciplines. As the business arena is increasingly competitive and challenging, mostly affected by the disciplines of Law, Technology and Media, it is imperative that students gain professional knowledge within one of these additional fields through the collaboration with the faculties of Arts and Social Sciences, Law, Engineering, and Computing. Students may also opt for specialization either at the outset or during their first year of study should they meet the minimum admission criteria for both schools.

BBA/BBA (ACC.) AND LAW

This Business Administration and Law double degree is offered jointly by the NUS Business School and the Faculty of Law. As business and law are highly interlinked fields, this programme will give its graduates a competitive edge in the corporate arena.

Trained in the core concepts of Business Administration and Law, future business managers will gain a solid understanding of the workings of the Singapore legal system, while lawyers in training stand to get a good grasp of business and management concepts.

BBA/BBA (ACC.) AND ENGINEERING

This combined double degree programme is offered jointly by the NUS Business School and the Faculty of Engineering. Its main aim is ultimately to groom business-savvy engineers. Students in this programme are trained to be highly qualified, adaptable and diverse professional engineers who are equipped with the necessary business knowledge in areas like Organisational Behaviour, Finance, Marketing, Accounting, Economics, and Business Law; empowering them to succeed in areas of technology innovation as well as business management.

SECTIONAL TEACHING

This fresh approach to the BBA curriculum has been integrated for students to benefit from classroom settings in both the aforementioned programmes. Through this approach, the School hopes to actively engage students in every classroom session of every business module read in the first year.

This approach also immerses the students into the unique classroom experience for them to articulate their views with substance and confidence, and build a stronger sense of cohort identity amongst the BBAs.

Instructors will adopt a Participant-Centered-Learning (PCL) teaching method. Naturally vocal students will be given the chance to further contribute to quality discussions, and the more reserved ones will be encouraged to be more vocal to articulate their views during discussion sessions.

FIELD SERVICE PROJECT

As part of the graduation requirements, NUS Business School honours students are required to complete a Field Service Project (FSP). This Project will allow them to serve as a student consultant to an assigned organisation. This attempt will provide students with a real-world learning experience that goes beyond textbooks and classrooms.

Students will get to learn different business models of an organisation, its value proposition, business operations, entrepreneurial passion, and leadership of the CEO and management team. The organisation will identify a relevant problem area which the students will get to study the case, and submit and present a consultation report that contains an analysis, findings, and recommendations. This adds value to the participating organisation and through this exposure students will learn to work in a team which is under the supervision of one of the School’s professors.
BBA/BBA (ACC.) AND COMMUNICATIONS & NEW MEDIA

The Business Administration and Communications & New Media double degree is jointly offered with the Department of Communications & New Media in the Faculty of Arts and Social Sciences.

Communications graduates are required to perform business-oriented tasks, such as market analysis and marketing campaigns. Business graduates must handle communication-intensive issues like public relations and crisis management. With the rise of new media, media-savvy professionals are in high demand in both fields. This programme offers students the best of both worlds in exploring two complex but increasingly intertwined fields.

BBA/BBA (ACC.) AND COMPUTER SCIENCE

The Business Administration and Computer Science double degree is jointly offered with the School of Computing. In today's context, computer technology is getting more influential than before. Thus graduates with good computer knowledge and a sound understanding of business practices are growing in demand, particularly in the IT industry. With this in mind, the School's aim is to produce highly business savvy IT professionals and technology-minded business leaders to meet this need.

AD-HOC DOUBLE DEGREES

The Business School believes in providing students an avenue to change their own course and pursue their passions. Thus beyond what has been formally offered, the School provides students with a more diverse interest with the option of reading Business with any other course with the exception of courses such as Dentistry, Pharmacy, and Music.

BBA/BBA (ACC.) AND INFORMATION SYSTEMS

This programme is a collaborative effort put forth with the School of Computing. What's unique about this programme is in its specialised area of information systems. It focuses on the way application and management of information can enhance the effectiveness of today's organisations. Students will gain a greater understanding on the application of computer technology into business workings.

BBA/BBA (ACC.) AND ECONOMICS

The Business Administration and Economics double degree is jointly offered by the Business School and the Department of Economics in the Faculty of Arts and Social Sciences.

This programme seeks to develop all-rounded professionals with a good understanding of the major economic forces at play in today's marketplace. It also offers students a fresh perspective of the functions of firms that constitute to the world economy. Graduates of this programme will be well-positioned to pursue careers in national economic policy making, as well as market analysis in major financial institutions and multinational corporations.
CONCURRENT DEGREE PROGRAMMES

BBA (HONS) AND MASTER OF SCIENCE (MANAGEMENT) [M.Sc. (MGT)]

This highly intensive programme is a concurrent one developed with the modules drawn from the BBA, MBA, and Ph.D. curricula. Students who are eligible may apply for this programme at any time during their course of studies. They can choose to take up the programme’s modules simultaneously with their regular course requirements.

Graduates of this programme will be awarded both the Bachelor of Business Administration with Honours [BBA (Hons)] and the Master of Science (Management) [M.Sc. (Mgt)] degrees.

BBA (HONS) AND CONCURRENT MASTER OF SCIENCE (MANAGEMENT) WITH MASTER IN INTERNATIONAL MANAGEMENT (CEMS MIM)

Students in the BBA and M.Sc. (Mgt) programme may choose an additional CEMS Master degree in International Management (MIM). This programme was first introduced in 1988 and was a network of European management schools. It is now part of the global alliance in management education – a strategic alliance of 27 world-class academic institutions and 60 corporate partners.

The NUS Business School is the first to become a full academic member of CEMS in the academic history of Asia. This highly prized programme emphasises on interpersonal and leadership skills and was ranked by Financial Times as the No. 1 Masters in Management Programme in the world in 2009.

Students will also get to spend one semester each in two CEMS schools, as well as an internship programme with one of CEMS Corporate Partners or an approved international company. In addition, scholarships are provided to outstanding students who are enrolled in this programme.

BBA (HONS) AND MASTER IN PUBLIC POLICY (MPP)

This concurrent degree programme is in collaboration between the NUS Business School and the Lee Kuan Yew School of Public Policy. It is an ideal programme for students who are interested in the global dimensions of national policy making, and who aspire to take on leadership roles in their respective sectors.

This rigorous academic track seeks to train future policy leaders to apply business principles to social and environment issues, corporate social responsibility, and business ethics. As this programme is also highly sought after by international students who are highly nominated by their governments, Singapore students will have excellent opportunities to connect and forge lasting friendships with like-minded individuals from around the world.

The NUS Business School experience has been critical in my rounded personal development. Right from the get go, I have had opportunities to take on leadership positions, serving as Honourary Financial Secretary in the Bizad Club. I subsequently went on to lead NUS Business School’s efforts in the University’s annual flagship charity event – Rag & Flag Day. I am convinced it is the best choice I made.

KWEK HSIEN YAO
BBA Alumni, Class of 2012
Monetary Authority of Singapore (MAS) Management Associate Programme

NUS Business School nurtures us students for our future careers. I had the privilege of representing the school at international case competitions in The Netherlands and Thailand, which allowed me to apply theory in real-life situations. In my second year, I embarked on a semesterlong Student Exchange Programme to Maastricht, The Netherlands, which I can easily claim as one of the best periods of my life. The experience made me more mature and independent, and taught me to appreciate things that I formerly took for granted. With collaborations with the University Scholars Programme (USP), I also took exciting USP modules that honed my critical thinking ability and complemented my Accountancy studies at the Business School. Countless internship opportunities are also presented to us by our Career Services Office. With their help, I managed to clinch an internship with global professional services firm Deloitte, as well as a fully-paid trip to Paris, France to participate in oil and gas giant Total’s Summer School. In sum, the NUS Business School experience is one that I would strongly recommend to incoming undergraduates.

AMELIA LEE
BBA (Accountancy) Alumni, Class of 2012
Development Bank of Singapore (DBS) Management Associate Programme
## SUBJECT PREREQUISITES

### SINGLE DEGREE PROGRAMMES

<table>
<thead>
<tr>
<th>Degree Course</th>
<th>Subject Prerequisites Please Refer To</th>
<th>Selection Test/Interview</th>
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<td>BUSINESS ADMINISTRATION (BBA)</td>
<td>Pass in H1 Mathematics/ Pass in “O” Level Additional Mathematics/ IB Pass in SL Mathematics/ NUS High School Major CAP of 2.0 in Mathematics</td>
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<tr>
<td>BUSINESS ADMINISTRATION (ACCOUNTANCY) [BBA(ACC.)]</td>
<td>Pass in H1 Mathematics/ Pass in “O” Level Additional Mathematics/ IB Pass in SL Mathematics/ NUS High School Major CAP of 2.0 in Mathematics</td>
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### DOUBLE/CONCURRENT DEGREE PROGRAMMES

<table>
<thead>
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<th>Degree Course</th>
<th>Selection Test/Interview</th>
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<tr>
<td>BBA WITH COMMUNICATIONS &amp; NEW MEDIA</td>
<td>No</td>
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<tr>
<td>BBA (ACC.) WITH COMMUNICATIONS &amp; NEW MEDIA</td>
<td>No</td>
</tr>
<tr>
<td>BBA WITH COMPUTING</td>
<td>No</td>
</tr>
<tr>
<td>BBA (ACC.) WITH COMPUTING</td>
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</tr>
<tr>
<td>BBA WITH INFORMATION SYSTEMS</td>
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<tr>
<td>BBA (ACC.) WITH INFORMATION SYSTEMS</td>
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<tr>
<td>BBA WITH ECONOMICS</td>
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<td>BBA (ACC.) WITH ECONOMICS</td>
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<tr>
<td>BBA WITH ENGINEERING</td>
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<td>BBA (ACC.) WITH ENGINEERING</td>
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<tr>
<td>BBA WITH LAW</td>
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<td>BBA (ACC.) WITH LAW</td>
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<tr>
<td>BBA WITH MASTER OF PUBLIC POLICY</td>
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<td>BBA (ACC.) WITH MASTER OF PUBLIC POLICY</td>
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<td>BBA WITH MASTER OF SCIENCE (MANAGEMENT)</td>
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<td>BBA (ACC.) WITH MASTER OF SCIENCE (MANAGEMENT)</td>
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For subject pre-requisites, please refer to: www.nus.edu.sg/oam/apply/local/prerequisites/BYA-prerequisites.html#top

* Please note that interviews will be conducted for Discretionary Admissions and Scholarships. Prerequisites of all Double Degree programmes can be found at the following link: www.nus.edu.sg/oam/apply/local/prerequisites/BYA-prerequisites.html#top instead.
SCHOLARSHIPS, AWARDS AND FINANCIAL AID

NUS offers a wide range of scholarships that are made available to all students at a university-wide level. However, the NUS Business School also offers its very own scholarships, bursaries, and awards that are opened to both local and international students. Students are eligible for over 100 of such scholarships/awards as listed at the following links: bba.nus.edu/admissions_scholarships.html bba.nus.edu/admissions_awards.html bba.nus.edu/admissions_bursaries.html

PROVIDING STUDENTS WITH A GLOBAL EXPERIENCE

University life is more than just about academic pursuits. It is also about offering a well-rounded learning experience gained through expanding one’s social and cultural horizons. Programmes such as Student Exchange Programme (SEP), NUS Overseas Colleges (NOC) and overseas internship programmes offer students an even broader range of experiences. Twice a year, we send our BBA and MBA students on exchange to more than 200 partner universities in North and South America, Canada, Europe, Asia, Australia, and New Zealand. More information is available at bba.nus.edu/exchange_partnerunis.html.

The NUS Business School also taps into its extensive network and close ties with overseas universities to organise study programmes/trips. These are usually shorter than the usual exchange programmes in terms of duration (about six to eight weeks), and take place over the Summer vacation.

VIBRANT STUDENT LIFE

The NUS Students’ Business Club (BizAd Club) is the School’s premier student organisation that allows undergraduates of the Business School to enjoy during their tenure. The Club serves as a platform for students to network, and plays a significant role in linking the students with the Deanery, key administrative offices, and over 27,000 Biz alumni.

This established the School as a world-renowned institution with a vibrant and close-knit community of BizAders. To date, many have benefitted from activities such as the Freshmen Orientation Projects that incorporates networking sessions with key industry players, and also hones effective leadership and management skills which are critical to a successful career, accomplished through fun and memorable activities.

ENTREPRENEURSHIP

The Business School strongly encourages its students to engage in entrepreneurship even throughout the course of studies. The School recognises the importance in applying classroom knowledge to real-world activities, and thus offers full support to its entrepreneurs.

The School has been actively facilitating regular dialogue sessions to encourage information and contact exchange. It also provides a virtual office service that allows students to use the School’s address of correspondence with external parties.
PREPARING FOR THE ROAD AHEAD: BBA CAREER SERVICES

The dedicated Career Services team of NUS Business School is well-positioned to give students relevant advice concerning their academic programmes and career prospects. It adopts a proactive engagement with the students throughout their years with the School. All undergraduates will have to go through its flagship activity, Career Preparatory Programme, and the Career Planning and Management module where they learn critical job search strategies, resume writing, interviewing skills, networking techniques, as well as business etiquette and corporate dressing.

Each student is also assigned a career counsellor, who paces with them every step of the way, from exploring career options to job application. Adding on to its competitive edge, the Biz Career Services also works closely with recruiters from multinational corporations and leading organisations across various industries, including accounting, banking & finance, consulting, oil & energy, FMCG, and logistics to create internship and job opportunities for students.

STUDENT ACHIEVEMENTS

The School’s business students regularly make their mark in prestigious competitions here and abroad. The following are their victories, just for the year 2012:

- Winner of the Thammasat Undergraduate Business Challenge 2012
- Winner of the International Case Competition@Maastricht 2012
- Winner of the 2012 Champion’s Trophy Case Competition
- Winner of the CFA Institute Research Challenge 2012
- First Runner-up for CaseIT 2012

DISTINGUISHED ALUMNI

1960s

- **PETER SEAH**
  Chairman of DBS, SembCorp and ST Engineering
- **LIM HOCK SAN**
  CEO & President of United Industrial Corporation Ltd and Singapore Land Ltd

1970s

- **HSIEH FU HUA**
  President of the National Council of Social Service (NCSS) Board and Chairman of ST Asset Management, and Fullerton Fund Management Company Ltd. Co-Founder at Prime Partners Group
- **CHUA SOCK KOONG**
  Group Chief Executive of Singapore Telecommunications Limited
- **KUOK KHOON HONG**
  Chairman & CEO of Wilmar International
- **NG SER MIANG**
  Chairman of NTUC Fairprice Co-operative Limited, Executive Board Member of International Olympic Committee, and Singapore Ambassador to the Republic of Hungary and The Kingdom of Norway

1980s

- **GRACE FU**
  Minister in the Prime Minister’s Office, 2nd Minister for the Environment and Water Resources and 2nd Minister for Foreign Affairs
- **JANET ANG**
  Vice President of Strategic Services IBM, Greater China Region
- **RONALD ONG**
  Chairman & CEO of Morgan Stanley South East Asia

1990s

- **LAU HOW SIN, HOWIE**
  Vice-President & General Manager of Lenovo ASEAN
- **KOO KOK THONG, FRANK**
  President, Learning Solutions for Pearson Asia Pacific
- **MAURICE TAN**
  Managing Director, CCG Leads, Consumer Channel Group for Microsoft

2000s

- **HENRY LIEW**
  Director of Bengawan Solo Pte Ltd
- **TAN KHANG HWEE, LEONARD**
  Founder & CEO of Purple Click Media
The challenging BBA(Accountancy) programme develops analytical minds beyond functional accounting knowledge through exposure to a constantly updated business core curriculum and complementary activities. Over half of us enjoyed enriching overseas experiences, such as my semester on exchange to the University of British Columbia where I learnt about Canada. I am privileged to have opportunities to apply theories and refine my skills by participating in various local and international case competitions, and internship programmes. Covering many industries, entrepreneurs, government and non-profit organisations, these have helped me gain real-world insights from alumni and other professionals. In sum, my NUS Business School experience has been rewarding with practical relevance.

LEONG DE-AN KENNETH
Year 3, Bachelor of Business Administration (Accountancy)

RANKINGS & ACCREDITATIONS
The School’s indisputable reputation is forged on a long tradition of associating with the best. From teaching to research and community involvement, it combines some of Asia’s most outstanding faculty members and students, earning the School worldwide recognition and accreditations:

One of only eight business schools in Asia accredited by EQUIS (The European Quality Improvement System), One of only seven business schools in Asia accredited by AACSB International (The Association to Advance Collegiate Schools of Business), and Member of The European Foundation for Management Development (EFMD), the largest international network association in the field of management development.

OUR GLOBAL RANKINGS INCLUDE
Highest ranked Business School in Singapore and Asia for Accounting and Finance (2011 QS World University Rankings®)

Termed “Best Business School in Far East Asia” (Eduniversal Rankings 2011)

1st in Asia, 4th outside the USA (Forbes Rankings for two-year MBA programmes)

2nd Worldwide for the CEMS Master in International Management (Financial Times Pre-experience Master in Management Rankings 2011)

5th for the UCLA-NUS Executive MBA (Financial Times MBA Rankings 2012)

26th for the Asia Pacific Executive MBA (Financial Times MBA Rankings 2012)

One of the world’s BEST 20 Business Schools (Princeton Review, 2012 edition)

35th for the NUS MBA (Financial Times MBA Rankings 2012)
NUS School of Computing (SoC) is Asia's leading computing school, with an excellent record of nurturing research-driven and enterprising graduates who thrive in various sectors of the economy.

SCHOOL OF COMPUTING

COMPUTING GRADUATES ARE IN DEMAND REGARDLESS OF ECONOMIC CLIMATES
STUDENTS WITH ENTREPRENEURIAL SPIRIT CAN BENEFIT FROM THE SUPPORT AND GUIDANCE FROM SOC INCUBATION CENTRE

SCHOOL OF COMPUTING

NUS School of Computing (SoC) is Asia’s leading computing school, with an excellent record of nurturing research-driven and enterprising graduates who thrive in various sectors of the economy. From biomedicine to finance and various high-tech industries, it counts among its alumni chief executives and technology architects of multinationals, government agencies, and flourishing start-ups.

SoC comprises two academic departments and is home to 2,000 students, with a quarter of them pursuing graduate studies. Through a well-rounded curriculum taught by a distinguished faculty, its students are empowered to be innovation-drivers who are capable of making the world a better place. The School inculcates in its students computational thinking and life-long learning skills.
equipping them with the right balance of scholarly excellence, professionalism, and soft skills.

SoC’s graduates are highly sought after. Leading computing companies such as Facebook, Google, and Microsoft send recruiters to them to recruit for their engineering centers worldwide. SoC’s graduates play a pivotal role in Singapore’s effort to improve productivity and streamline government, and to become a leading center for various industries such as finance, logistics, media, and technology.

SINGLE DEGREE PROGRAMMES

BACHELOR OF COMPUTING (COMPUTER SCIENCE) HONOURS PROGRAMME

This programme is developed for students who have a keen interest in Mathematics and want to apply it to solve real-world problems in a creative way. It focuses on core principles and applications, including programming languages and systems, software design, databases, parallel computing, networking, theory and algorithms, multimedia, artificial intelligence, and computer security.

Students will graduate with a strong and diverse technical knowledge of computer science and technology. Students can also take a specialisation in Information Security, which will prepare them for careers that are related to the prevention, detection, and management of security threats.

BACHELOR OF COMPUTING (COMPUTATIONAL BIOLOGY) HONOURS PROGRAMME

This programme addresses the need for expertise to efficiently handle the explosive growth of data generated by the post-genomic era and proteomics research. It focuses on novel and state-of-the-art computational approaches and instrumentations for the most effective analysis.

Developed with the support of the Faculty of Science and Yong Loo Lin School of Medicine, this multidisciplinary programme produces graduates who are equally at ease with algorithm design, and mathematical and statistical analysis, as they are with biochemistry, biology/genetics, and wet lab know-how.

There are many pathways towards a fulfilling university life. I took one that provided me opportunities to meet and work with some really awesome individuals. In the short span of a year, I served in both the Computing Club and the Game Development Competition 2012 committees as Academic Director and Project Director respectively. These honed my leadership skills, and found me talking to people from companies such as LucasFilm, Oracle, and Microsoft. Being a student leader provided me the chance to be a Google Student Ambassador. Nothing beats indulging in the Google culture all year round, and sharing it with friends.

Finally, joining NUS Hackers as part of its core team fulfilled my dream to immerse myself in the hacker culture and that further ignited the passion I have in this field. All these combined experiences gave me an unbelievable university life, one that I cherish and have come to love.

BENEDICT LIANG
Year 2, Computer Science

BACHELOR OF COMPUTING (INFORMATION SYSTEMS) HONOURS PROGRAMME

This programme provides a stimulating education that equips its students with the ability to integrate infocomm technology fundamentals with domain expertise to develop innovative solutions for organisations. Through projects and case studies that are aligned with industry best practices, students will develop an in-depth understanding of the strategic exploitation of infocomm technology in emerging organisational forms. Students will become proficient in the design and development of infocomm solutions and the management of infocomm projects. Such skills are vital in helping students develop versatile careers as business analysts, solution architects, techno-strategists, and infocomm project managers. Specialisations offered within this programme include Services Science, Management and Engineering (SSME) and Information Security.
Undergraduate Prospectus 2013/2014

social network analysis, econometrics, forecasting, operations research, etc. In sum, these elective modules span the most exciting and challenging areas of business analytics practice in the industry today.

DOUBLE DEGREE AND CONCURRENT DEGREE PROGRAMMES

DOUBLE DEGREE PROGRAMMES IN BACHELOR OF COMPUTING (COMPUTER SCIENCE/INFORMATION SYSTEMS) AND BACHELOR OF ACCOUNTANCY/BACHELOR OF BUSINESS ADMINISTRATION

These double degree programmes emphasise developing both core computing skills and business skills in a student. Students will acquire the wherewithal to apply computational considerations to all aspects of business practice, introduce a new analytic dimension to the understanding of organisational behaviour, finance and accounting, marketing, economics, business law, and the like. Students will also obtain the know-how to practise the management and implementation of information systems.

DOUBLE DEGREE PROGRAMMES IN BACHELOR OF COMPUTING (COMPUTER SCIENCE) AND BACHELOR OF SCIENCE (MATHEMATICS/APPLIED MATHEMATICS)

Targeted at ‘A’ level qualifications holders with good results or talent in Mathematics or Computing, these programmes seek to groom them into graduates who will be at ease with tackling multifaceted computational problems such as complex scheduling or taking interactive digital media to the next phase.
Emphasising quality over quantity, admission to the programmes is highly selective, and students must consistently maintain good results to remain in the programmes. Students may choose to specialise in either algorithms and computation, or multimedia modelling.

**CONCURRENT DEGREE PROGRAMME IN BACHELOR OF COMPUTING (COMPUTER SCIENCE/COMPUTATIONAL BIOLOGY) HONOURS AND SCIENTIAE MAGISTER**

These are two fast-track programmes that allow qualified students to obtain the Bachelor of Computing in either Computer Science or Computational Biology from NUS, and a Scientiae Magister from Brown University within five years.

The Computer Science Scientiae Magister in Brown complements SoC’s CS undergraduate programme allowing students to master advanced courses while experiencing a different culture and educational experience in a top US institution that has an excellent reputation for innovative education and research, with tight integration of theory and practice.

The Computational Biology Scientiae Magister leverages the strength of Brown University in Computational Biology to provide advanced training to further the education provided in the Computational Biology programme in SoC, allowing graduates from this programme to play a major role in developing biotechnology industries and know-how, spanning therapeutics, diagnostics, translational medicine and fundamental research.

**CONCURRENT DEGREE PROGRAMME IN BACHELOR OF COMPUTING (INFORMATION SYSTEMS) HONOURS WITH MASTER OF SCIENCE (MANAGEMENT)**

Computing professionals need to rise up to the challenges of managing new Computing and market trends such as IT outsourcing and offshoring, IT entrepreneurship, and commercialisation and management of innovative and complex IT products and services.

This Concurrent Degree Programme, combining Bachelor of Computing (Information Systems) (School of Computing) and Master of Science (Management) (School of Business), provides a multidisciplinary platform for students to marry strong technical computing skills with the requisite management, communications, and marketing skills to respond effectively to these challenges.

**CONCURRENT DEGREE PROGRAMME IN BACHELOR OF COMPUTING (ELECTRONIC COMMERCE) HONOURS WITH MASTER OF SCIENCE IN ENGINEERING AND TECHNOLOGY INNOVATION MANAGEMENT**

This fast-track, four-and-a-half-year programme allows students to graduate with a Master of Science in Engineering and Technology Innovation Management (E&TIM) from Carnegie Mellon University (CMU), and a Bachelor of Computing in Electronic Commerce from NUS. Students will get a global education within three-and-a-half years at NUS and one year at Carnegie Mellon University. The E&TIM programme equips students for meaningful careers as leaders in innovation and the strategic management of technology.

**CONCURRENT DEGREE PROGRAMME IN BACHELOR OF COMPUTING (INFORMATION SYSTEMS) HONOURS WITH MASTER OF PHILOSOPHY IN MANAGEMENT**

This fast-track, four-year programme allows students to graduate with a Bachelor’s degree in Information Systems from NUS and a Master of Philosophy (MPhil) degree in Management from Cambridge University.

Students will obtain a global education within three years at NUS and one year at Cambridge University. The MPhil in Management is offered by the Judge Business School, Cambridge University, UK. It is a taught Master's programme which offers new and recent non-business/management graduates a thorough grounding in management.

**CONCURRENT DEGREE PROGRAMME IN BACHELOR OF COMPUTING HONOURS WITH MASTER OF SCIENCE IN LOGISTICS & SUPPLY CHAIN MANAGEMENT**

The Concurrent Double Master Programme (CDMP) is an accelerated programme targeted at talented NUS undergraduates (pursuing B.Sc., B.Comp, B.B.A., B.Eng.) who want to establish a career in the Logistics and Supply Chain Management (SCM) sector. Offered in collaboration with Georgia Institute of Technology, the programme is tailored to train and groom strong candidates early for their strategic and management roles at work. CDMP is strongly supported by Singapore’s Economic Development Board (EDB) and many key industry partners, with attractive scholarships and job placements available for outstanding students.

**NUS-FRENCH DOUBLE DEGREE PROGRAMMES**

France has a long tradition of scientific achievement. Elitist and prestigious in nature, the Grandes Écoles of France are institutions of higher education that offer the best in French Engineering and Science outside mainstream public universities.

These programmes with French Grandes Écoles allow students to be exposed to and learn from foreign cultures, network with Singaporeans and foreigners, and acquire proficiency in a third language. Participating Grande Écoles include:

- École Centrale Paris (ECP)
- École Polytechnique (X)
- École Supérieure d’Electricité (Supélec)
- École des Mines de Paris (Mines ParisTech)
- École Nationale Supérieure des Télécommunications (Télécom ParisTech)
- École Nationale Supérieure de Techniques Avancées (ENSTA ParisTech)
### SUBJECT PREREQUISITES

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<th>SINGLE DEGREE PROGRAMME</th>
<th>DURATION</th>
<th>SELECTION TEST/INTERVIEW</th>
<th>SUBJECT PREREQUISITES</th>
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<tbody>
<tr>
<td><strong>COMPUTING (COMPUTER SCIENCE COURSES)</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4 years</td>
<td>Yes&lt;sup&gt;2&lt;/sup&gt;</td>
<td><strong>H2 CURRICULUM</strong> (H2 Computing or H2 Mathematics or H2 Physics or at least a B grade in H1 Mathematics, Pass in HL Computer Science or Mathematics or Physics or a good pass in SL Mathematics, Major CAP of 2.0 in Mathematics)</td>
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<td><strong>BACHELOR OF COMPUTING</strong> (COMPUTER SCIENCE)</td>
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<tr>
<td><strong>COMPUTING (INFORMATION SYSTEMS COURSES)</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>4 years</td>
<td>No</td>
<td><strong>H2 CURRICULUM</strong> (H2 Computing or at least a B grade in H1 Mathematics, Pass in HL Computer Science or Mathematics or Physics or a good pass in SL Mathematics, Major CAP of 2.0 in Mathematics)</td>
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<td><strong>BACHELOR OF COMPUTING</strong> (E-COMMERCE)</td>
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<td><strong>BACHELOR OF ENGINEERING</strong> (COMPUTER ENGINEERING)</td>
<td>4 years</td>
<td>No</td>
<td><strong>H2 CURRICULUM</strong> (A good grade in either GCE ‘A’-level or H2 level B higher level Mathematics and a good grade in GCE ‘A’-level or H2 level in either Physics or Chemistry. Those with H2 level in Chemistry must have GCE O-level Physics or equivalent, Pass in HL Mathematics and either HL Physics or Chemistry, Major CAP of 2.0 in Mathematics)</td>
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<tr>
<td><strong>BACHELOR OF SCIENCE</strong> (BUSINESS ANALYTICS)</td>
<td>4 years</td>
<td>No</td>
<td><strong>H2 CURRICULUM</strong> (A good grade in either GCE A level or H2 level Mathematics, A good grade in HL Mathematics, Major CAP of 2.0 in Mathematics)</td>
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</table>

<sup>1</sup> These are courses offered by Department of Computer Science.

<sup>2</sup> After accepting the offer for Computing (Computer Science courses), candidates interested to pursue the Computational Biology programme will complete a prescribed application form with the School of Computing separately by 5 July 2013. Shortlisted candidates will be invited for interview.

<sup>3</sup> These are courses offered by Department of Information Systems.

For subject prerequisites for double and concurrent degree programmes, please refer to: www.nus.edu.sg/oam/apply/local/prerequisites/BYA-prerequisites.html.

### COURSE ACCREDITATIONS AND CAREER PROSPECTS

Our curricular are aligned with the recommendations of the three international accreditation bodies in Computing education: the Association for Computing Machinery (ACM), the Association for Information Systems (AIS), and the Computer Society of the Institute of Electrical and Electronic Engineers (IEEE). The Computer Science programme is accredited by Accreditation Board for Engineering and Technology (ABET, Inc.), a world respected US-based accreditation agency.

### SPECIAL PROGRAMMES

**Turing Programme (TP) for BComp (CS): Preparing Students for a Research Career in Computer Science**

This four-year programme is named after Alan M. Turing to commemorate this outstanding pioneer of computer science. The Turing Programme is most suitable for students who love to solve technically challenging problems and are able to handle both theoretical and practical work.

### NUS COMPUTING GRADUATES: FAVOURITES OF HIRERS

NUS School of Computing prides itself in producing graduates who are in demand despite the economic climate. In the midst of the past financial downturn, multinationals and other companies continued to engage SoC’s students with talks and hosted visits, with the aim to gaining a head-start in hiring them. Other major companies offer internships to identify potential hires from among the students even earlier.
Students in TP are expected to build a sufficient track record by the time they graduate to gain admission into the Ph.D. programmes in top schools including SoC. Students admitted into TP will be assigned CS professors as their mentors to help them build their track records.

von Neumann Programme (vNP) for BComp(CS): Blending Academic Knowledge and Industry Experience into Computer Science Education

The von Neumann Programme is named after John von Neumann to commemorate this scintillating intellect of computer science. The von Neumann Programme is most suitable for students who love to solve complex real-world problems and develop complex computer-based systems for real-world applications. Students admitted into vNP will be assigned CS professors and industry partners as their mentors who will help them to blend academic knowledge and industrial experience into their studies.

INTERNSHIPS

ADVANCED TECHNOLOGY ATTACHMENT PROGRAMME (ATAP)

This premium six-month programme places students with established organisations (both local and overseas), to allow them firsthand experience in industry related projects. This internship programme has the active support from government agencies and multinationals in sectors ranging from financial services to interactive digital media and bioinformatics research.

STUDENT INTERNSHIP PROGRAMME (SIP)

This internship programme is similar to ATAP in objective and quality, but unfolds in three rather than six months. It places students in established organisations both local and overseas, so that they may work on industry related projects from government agencies and multinationals, in sectors ranging from financial services to interactive digital media and bioinformatics research during their special terms which span from May to July annually.

IDA ENHANCED LEARNING IN INFOCOMM TECHNOLOGY (ELITE)

The Enhanced Learning in InfoComm Technology (ELITe) is a talent development programme that aims to develop industry-ready InfoComm graduates. In partnership with the InfoComm Development Authority (IDA), the ELITe programme provides opportunities to undergraduates to acquire practical exposure through industry attachments, mentorship, projects and skills development, through certifications and exposure to InfoComm policy thinking.

DISTINGUISHED ALUMNI

MR ANG KWANG TAT
Chief Executive Officer, Advanced Network Technology Laboratories (ANTlabs)

MR CALEB CHAO
Software Engineer, Local Features, GeoCommerce Division, Google Inc.

MS CHONG CHUAN NEO
Asia Pacific Managing Director, Products Operating Group, Accenture

MS SHERINE CHEONG
Director, Investor Sales, Standard Chartered Bank

MR TRAVIS HO
Director, Touch Dimensions LLP
MR BRUCE LIANG
Partner, Accenture Products Operating Group

MR ROGER LIM
Chief Executive Officer, Webvisions Pte Ltd

MS CATHERINE NATHAN
Director, Merchant Strategy Global Network Services, Japan, Asia Pacific and Australia, American Express International, Inc.

MR NG SEE SING
General Manager, NCS Portal City and CATALYST at NCS Pte Ltd

MS ONG AIHUI
Founder & CEO/CTO, Love With Food

MR SIOW WEE LOONG
Chief Operations Officer, Customer & Technology Division, NTUC Income

DR ACHUDHAN SIVAKUMAR
Research and Development, Epic Systems Corporation

MR TAN TENG CHEONG
Director for Strategic Accounts (SEA), Motorola Solutions Singapore Pte Ltd

MS TAN YEN YEN
Senior Vice President Applications, Asia Pacific, Oracle Corporation

MR OLIVER TIAN
Chief Executive Officer, Hutcabb Consulting

DR MICHAEL YIN
Chief Executive Officer, Mozat Pte Ltd

MR JAMES YONG
Engineering Director, VSee

MS ANGELA WEE
Director, School of InfoComm Technology, Ngee Ann Polytechnic

FOR GENERAL ENQUIRIES

NUS SCHOOL OF COMPUTING
Computing 1, 13 Computing Drive
Singapore 117417
T 65 6516 2727
F 65 6779 4580
W www.comp.nus.edu.sg
The four-year Bachelor of Dental Surgery (B.D.S) Programme is a rigorous programme with comprehensive didactic and clinical sessions.

FACULTY OF DENTISTRY

THE STRENGTH OF A NUS B.D.S. GRADUATE IS THE STRONG CLINICAL FOUNDATION AND SKILLS ACQUIRED FROM THE PROGRAMME.
A PATH TO A UNIQUE PROFESSION

FACULTY OF DENTISTRY

The Faculty of Dentistry has its humble beginnings in 1929. It was first known as a department of the King Edward VII College of Medicine, which was the first dental school established in a British Colony in the East. It later became part of the National University of Singapore in 1962, and achieved faculty status in 1966.

Today, the Faculty is one of the leading schools in dentistry in the Southeast Asian region. Its vision is to be a dental institution of international status.

To date, there are about 190 undergraduates, 70 graduates, and 30 full-time academics under its wings.

GRADUATES FEEDBACK REFLECTED THAT THE B.D.S. PROGRAMME IS HIGHLY RELEVANT IN PRACTICE.
The undergraduate Dental programme at the Faculty of Dentistry has a strong focus on evidence-based teaching, training students to be critical in appraising current literature and applying it in clinical situations. Through this rigorous and challenging programme, which also exposes students to the management of disabled and special needs patients, I have gained many important life lessons about developing empathy and compassion for the patients under my care.

JOSHUA LEE
Year 4, Dentistry

The B.D.S programme comprises pre-clinical and clinical components in the first two years. In the pre-clinical years, in addition to studying the basic sciences, students will receive hands-on trainings through simulation and preclinical programmes before progressing to patient care at the end of the second year.

In the clinical years, students will manage and treat their own patients under supervision. They will put their skills in managing patients – ranging from preschoolers to the elderly, and they will be exposed to patient care with special needs in their final year.

Students are also given opportunities to engage the community through public dental screenings, involvement in community projects, and postings to nursing homes.

In their final year, students will attend the General Practice Management (GPM) course which will further prepare them for the growing demands of clinical practice upon graduation. This course also provides them with the opportunity to visit private practitioners in town and heartland settings to study the roles, objectives and management styles of each practice.

OTHER PROGRAMMES AND INITIATIVES

PROBLEM-BASED LEARNING (PBL)
Problem-based learning tutorials were introduced in 1996 to encourage student-centred learning. This method is designed to stimulate students to think critically, question, solve problems as well as bridge their knowledge gaps through raising learning issues.

JOB SHADOWING PROGRAMME
Tailored for Secondary and Junior College Students, this one-day programme seeks to offer its students the insights into the dentistry profession and the dental course through keen observation of both students and staff of the clinics.
QUALIFICATIONS PRESENTED

New GCE ‘A’ level syllabus (with H1/H2 results)
- Good H2 pass in Chemistry
- Good H2 pass in either Biology or Physics
- Good H2 pass in a third subject
- Good grades in the General Paper or in Knowledge & Inquiry

International Baccalaureate (IB) Diploma
- Good Higher Level (HL) pass in Chemistry
- Good HL pass in either Biology or Physics
- Good HL pass in a third subject
- Good grades in English

NUS High School
- Major CAP of at least 2.0 in Chemistry and either Biology or Physics
- CAP of at least 1.0 in one other major and in English Programme and Research Project

Candidates who are short-listed for admission will be required to take a manual dexterity test and appear for an interview.

UNDERGRADUATE RESEARCH OPPORTUNITIES PROGRAMME (UROP)

Every undergraduate will be required to participate in a research project through this programme, as part of the four-year course. They will work in small groups on a research project under the supervision of a staff. At the end of the programme, students will have to present their research project to the Faculty on the Faculty Research Day. They will also submit their projects for local, regional, and international research competitions. To date, many of the projects have been published in notable international publications.

GUILD OF DENTAL GRADUATES – FACULTY OF DENTISTRY ALUMNI MENTORSHIP SCHEME

This programme is a joint initiative between the Guild of Dental Graduates and the Faculty of Dentistry. It was launched in Academic Year 2006/07 with the aim to engage the alumni in mentoring, coaching, and guiding the undergraduate students. By sharing the alumni’s wealth of experience, they play a critical role in guiding the undergraduates into the world of dental practice.

OVERSEAS ENRICHMENT PROGRAMME

The Overseas Enrichment Program (OEP) took off in 1996 in the hope to broaden its students’ experience by exposing them to other cultures and different learning environment. Third and fourth years students will have the chance to spend two weeks in an overseas partner university in United States, United Kingdom, Europe, Canada, Japan, China, Hong Kong or Australia.

HEALTH REQUIREMENTS

In accordance with the Ministry of Health requirements, candidates who are Hepatitis B (HBV) carriers are not eligible for admission to the study of Dentistry. In addition, should the candidates display non-immunity to the disease despite repeated vaccinations they will be advised to consider other career choices and undergraduate programmes.

NUS reserves the right to re-test any or all of its new dental undergraduates for any or all markers of the Hepatitis B virus.

Prospective dental students must also furnish documentary evidence of immunity to, or immunisation for Varicella Zoster Virus (Chickenpox) and Ruebella Virus.

From 2013, in compliance with NUS and the Ministry of Manpower statutory medical surveillance requirements, all candidates must complete the NUS occupational health risk assessment and indemnity forms as well as undergo an audiometric testing.

CAREER OPPORTUNITIES

Graduates will be given immediate employment in the government service as part of a service bond to the Ministry of Health. Graduates will have the option to stay with the Ministry, pursue specialist training in the private practice, or opt for a career in academia, military or healthcare administration.

DISTINGUISHED ALUMNI

DR CHOO TECK CHUAN
Dr Choo is a strong advocate of continuing education and cross-border training on an international platform. He is the founder of the World Dental Education Society (WDES) and a recipient of the prestigious Individual Award – Business Event at the Singapore Business Events Awards 2007.

DR PATRICK S K TSENG
Dr Tseng is currently the Chief Dental Officer, Ministry of Health, Singapore; a Clinical Associate Professor under the Discipline of Prosthodontics, Operative Dentistry & Endodontics, National University of Singapore; and Senior Consultant, Dental Services, National University Hospital.

FOR GENERAL ENQUIRIES

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T +65 6772 4987
F +65 6778 5742
E denbox2@nus.edu.sg
W www.dentistry.nus.edu.sg
The School of Design & Environment’s faculty is a diverse melting pot of expertise, insights and innovation from across the globe.

SCHOOL OF DESIGN & ENVIRONMENT

THE SCHOOL IS EQUIPPED WITH CUTTING EDGE FACILITIES SUCH AS DIGITAL DESIGN STUDIOS, DIGITAL SPACE LABS AND MODELLING WORKSHOPS.
TOGETHER, THEY FORM THE BACKBONE OF THE SCHOOL, ENSURING A CONTINUED TRADITION OF ACADEMIC EXCELLENCE AND THE GROOMING OF FUTURE LEADERS OF THE BUILT ENVIRONMENT.

THE SCHOOL OF DESIGN & ENVIRONMENT

The School of Design & Environment (SDE) has grown into a world-class institution since its inception in 1958, when it first started out as the Department of Architecture with the Singapore Polytechnic, offering a five-year Architecture programme.

Today, its repertoire of programmes offered includes Architecture, Project and Facilities Management, and Real Estate and Industrial Design. The School has nurtured more than 5,000 graduates to be well-equipped with both knowledge and skills to take upon the growing challenges in their field of expertise.

The School strives to remain at the forefront of the design and building industry to achieve global standards in education and research.
My time in the Real Estate programme has been nothing short of amazing. The excellent structure of the programme has enabled me to navigate through, what many might have considered, a complex industry. Furthermore, the close relationship between the school and industry partners has been a huge benefit to students. Besides being able to witness how the academic theories are applied in practice, this relationship has meant that students have access to numerous internships and job opportunities.

This wonderful package is complemented with my stay in Cinnamon College under the University Scholars Programme. The UTown experience broadened my outlook on life and gained me multitudes of important friendships and new ideas. The privilege of having served in the University Scholars Club as the Vice-President made me even more appreciative of the complexities of leadership in our world today.

In all, NUS has granted me a wonderful time and a holistic learning journey.

YAP HON SHENG, KEVIN
Year 3, Real Estate & Business Administration with University Scholars Programme
allows them to play a vital role in the industry. This invaluable knowledge can also be applied to other fields such as event management.

Eligible students may opt for a second major in Management or Management (Technology) jointly offered by NUS Business School and Faculty of Engineering.

BACHELOR OF SCIENCE (REAL ESTATE) WITH HONOURS
Developed by the largest team of real estate teaching and research staff in the world, the Department of Real Estate at NUS seeks to groom its students to hold leadership appointments in the Singapore Real Estate industry.

This is the only tertiary programme in Singapore that provides a holistic approach to training and managing the transformative process of real estate into financial wealth as well as creating a quality living environment.

The B.Sc. (Real Estate) programme also allows students to specialise in Real Estate Finance or Urban Planning which are emerging areas with attractive career opportunities.

BACHELOR OF ARTS (INDUSTRIAL DESIGN) WITH HONOURS
This four-year undergraduate honours programme prepares students for a career in the Product Design industry.

The curriculum is crafted with a synergistic three-pronged approach.

1. It cultivates design thinking that enables graduates to be able to develop innovative solutions and strategies.
2. It equips students with multidisciplinary skills that include social economics, marketing, and knowledge on engineering and technology.
3. It develops artistic and imaginative sensibilities in students to translate everyday needs into new products and services.

Students will also gain invaluable industry experience through conceptual and real life projects sponsored by our industry partners such as Dell, L’Oreal, BMW Group, and Designworks, USA.

MORE THEN
50 YEARS AND OVER
5,000 GRADUATES HAVE BEEN GROOMED BY THE SCHOOL OF DESIGN & ENVIRONMENT

ACADEMIC INITIATIVES
STUDENT EXCHANGE PROGRAMME
Under the School’s Student Exchange Programme (SEP), eligible students are encouraged to spend time with one of our many partner universities. The programme exposes students to exciting opportunities, and broadens their academic horizons from a host of different environments and cultures in America, Europe, Asia, and Australasia.

FIELD TRIPS
Field trips are developed to bring the application of knowledge and skills gained in the classroom into a real world setting. These field trips allow students to develop cultural awareness, interpersonal skills, and environmental and socioeconomic contexts beyond geographic boundaries.
### SUBJECT PREREQUISITES

<table>
<thead>
<tr>
<th>DEGREE COURSE</th>
<th>COURSE DURATION</th>
<th>MAJOR SUBJECTS</th>
<th>SELECTION TEST / INTERVIEW</th>
<th>SUBJECT PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BACHELOR OF ARTS</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>New ‘A’ Level Curriculum:</strong> Good grades in at least 2 subjects at H2 level or equivalent</td>
</tr>
<tr>
<td>(ARCHITECTURE) (HONOURS)</td>
<td>4 years</td>
<td>Architectural Design</td>
<td>Yes</td>
<td>A good grade in Mathematics, Chemistry or Physics at H1 level; or ‘O’ Level Additional Mathematics</td>
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<tr>
<td></td>
<td></td>
<td>History &amp; Theory of Architecture</td>
<td></td>
<td>International Baccalaureate (IB): A good grade in SL Mathematics, Chemistry or Physics</td>
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<tr>
<td></td>
<td></td>
<td>Urban Design</td>
<td></td>
<td>NUS High School: Major CAP of 2.0 in Mathematics, Chemistry or Physics</td>
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<tr>
<td></td>
<td></td>
<td>Architectural Technology</td>
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<td>Design &amp; the Environment</td>
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<td>Test / Interview</td>
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<tr>
<td><strong>BACHELOR OF SCIENCE</strong></td>
<td></td>
<td></td>
<td></td>
<td>New ‘A’ Level Curriculum: Good grades in at least 2 subjects at H2 level or equivalent</td>
</tr>
<tr>
<td>(PROJECT &amp; FACILITIES MANAGEMENT)</td>
<td>4 years</td>
<td>Project Management</td>
<td>No</td>
<td>A good grade in Mathematics, Chemistry or Physics at H1 level; or ‘O’ Level Additional Mathematics</td>
</tr>
<tr>
<td>(HONOURS)</td>
<td></td>
<td>Facilities Management</td>
<td></td>
<td>International Baccalaureate (IB): A good grade in SL Mathematics, Chemistry or Physics</td>
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<td></td>
<td></td>
<td>PFM students may opt to do a second major in Management</td>
<td></td>
<td>NUS High School: Major CAP of 2.0 in Mathematics, Chemistry or Physics</td>
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<tr>
<td></td>
<td></td>
<td>(offered by School of Business) or Management (Technology)</td>
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<td></td>
<td></td>
<td>(offered by School of Business &amp; Faculty of Engineering)</td>
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<td>The double major can be completed in 4 years (i.e. normal time), through double counting</td>
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<tr>
<td><strong>BACHELOR OF SCIENCE</strong></td>
<td></td>
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<td></td>
<td><strong>New ‘A’ Level Curriculum:</strong> Good grades in at least 2 subjects at H2 level or equivalent</td>
</tr>
<tr>
<td>(REAL ESTATE) (HONOURS)</td>
<td>4 years</td>
<td>Real Estate Finance &amp; Investment</td>
<td>No</td>
<td>A good grade in Mathematics, Chemistry or Physics at H1 level; or ‘O’ Level Additional Mathematics</td>
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<tr>
<td></td>
<td></td>
<td>Real Estate Development &amp; Management</td>
<td></td>
<td>International Baccalaureate (IB): A good grade in SL Mathematics, Chemistry or Physics</td>
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<tr>
<td></td>
<td></td>
<td>Urban Policy &amp; Urban Planning</td>
<td></td>
<td>NUS High School: Major CAP of 2.0 in Mathematics, Chemistry or Physics</td>
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<td></td>
<td>RE students may opt to complete a specialisation in either Real Estate Finance or Urban Planning.</td>
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<td>The Department of Real Estate offers double-degree programmes in conjunction with the NUS School of Business.</td>
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<tr>
<td><strong>BACHELOR OF ARTS</strong></td>
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<td></td>
<td>New ‘A’ Level Curriculum: Good grades in at least 2 subjects at H2 level or equivalent</td>
</tr>
<tr>
<td>(INDUSTRIAL DESIGN)</td>
<td>4 years</td>
<td>Design Thinking &amp; Innovation Strategies</td>
<td>Yes</td>
<td>A good grade in Mathematics and Chemistry or Physics at H1 level; or ‘O’ Level Additional Mathematics</td>
</tr>
<tr>
<td>(HONOURS)</td>
<td></td>
<td>Creative &amp; Critical Problem-Solving</td>
<td></td>
<td>International Baccalaureate (IB): A good grade in SL Mathematics, Chemistry or Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Human Behavioural Factors in Innovation</td>
<td></td>
<td>NUS High School: Major CAP of 2.0 in Mathematics and Physics or Chemistry</td>
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<td></td>
<td>Technology &amp; Manufacturing in Design</td>
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<td>Business Strategies in Design</td>
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<td></td>
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<td>Artistic Sensitivities in Design</td>
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</tbody>
</table>

### COURSE ACCREDITATIONS

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>ARCHITECTURE</th>
<th>BUILDING</th>
<th>REAL ESTATE</th>
<th>INDUSTRIAL DESIGN</th>
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<tr>
<td><strong>PROGRAMS</strong></td>
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<tr>
<td>BA (Architecture) (Honours) / March Concurrent Degree</td>
<td>BA (Architecture) (Honours) / March Concurrent Degree</td>
<td>BSc (Project &amp; Facilities Mgt) (Honours)</td>
<td>BSc (Real Estate) (Honours)</td>
<td>BA (Industrial Design) (Honours)</td>
</tr>
<tr>
<td>RIBA Part 1, Part 2 Singapore Institute of Architects Board of Architects (Singapore)</td>
<td>RICS SISV CIDB</td>
<td>RICS SISV CIDB</td>
<td>RICS SISV CIDB</td>
<td>Industrial Design is not regulated by a professional body</td>
</tr>
</tbody>
</table>

**ACCREDITATIONS**

- RIBA
- SISV
- CIDB
- RICS
CAREER PROSPECTS

ARCHITECTURE

The B.A. (Arch) and M. (Arch) programmes are accredited by the Singapore Institute of Architects (SIA) and the Royal Institute of British Architects (RIBA). The M. (Arch) is the professional degree recognised by the Board of Architects.

Graduates are readily accepted to practise architecture with government or statutory boards; locally and internationally. The programme’s flexibility enables ready entry into related creative fields such as Fa_ade Engineering, Industrial Design, Interior and Graphic Design, and Architectural Journalism.

PROJECT & FACILITIES MANAGEMENT

The B.Sc. (PFM) programme is accredited by the Royal Institution of Chartered Surveyors, UK (RICS), the Singapore Institute of Surveyors and Valuers (SISV) and the Chartered Institute of Building (CIOB).

Graduates can look forward to career opportunities in project and facilities management with local or international organisations, in both the public and private sectors.

REAL ESTATE

The B.Sc. (RE) programme is accredited by the SISV and RICS. Graduates may become real estate development consultants, real estate finance analysts, real estate marketing managers, real estate fund managers, urban planners, economists, and valuers. They are also well accepted for employment with statutory boards such as the Housing Development Board (HDB), the Urban Redevelopment Authority (URA), and the Inland Revenue Authority of Singapore (IRA).

INDUSTRIAL DESIGN

Graduates of the B.A. (ID) programme may seek career options as industrial designers, graphic designers, exhibition designers, brand and packaging designers, product managers, and innovation consultants. Past graduates have found exciting opportunities with multinational corporations such as BMW Group, HTC, Microsoft, and Nike.

DISTINGUISHED ALUMNI

MR MOK WEI WEI
Bachelor of Arts in Architecture (Honours) ’82
Managing Director, W Architects Pte Ltd

MS CHONG SIAK CHING
Bachelor of Science in Estate Management (Honours) ’81
President and CEO, Ascendas Pte Ltd

DR TEO HO PIN
Bachelor of Science in Building (Honours) ’85
Mayor, North West District & Deputy Government Whip

MR HANS TAN
Bachelor of Arts in Industrial Design (Honours) ’05
Instructor, NUS

CAREER PROSPECTS

ARCHITECTURE

- Architect
- Urban Planner
- Interior Designer
- Industrial Designer
- Graphic Designer
- Landscape
- Architect
- Creative Industries
- Architectural Journalism

BUILDING

- Project Manager
- Lead the project team of architects, engineers, contractors, lenders, etc
- Facilities Manager
- Manage large facilities such as integrated resorts, hospitals, universities, science parks, airports, etc

REAL ESTATE

- Real Estate Development Consultant
- Real Estate Finance Analyst
- Valuer
- Urban Planner/ Economist/ Manager
- Real Estate Marketing Manager
- Real Estate Fund Manager

INDUSTRIAL DESIGN

- Industrial & Product Designer
- Graphic Design & Advertising
- Exhibition Design & Installation
- Brand & Packaging Designers
- Product Manager
- Innovation Consultant

FOR GENERAL ENQUIRIES

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YOUR FUTURE, OUR PRIORITY

FACULTY OF ENGINEERING

A global engineering school where students are nurtured by some of the best engineering minds in the world.

Prof Neal Chung (right) leads membrane science and technology at the Faculty of Engineering.

LEARNING ENVIRONMENT WITH A GLOBAL OUTLOOK AND OPPORTUNITIES TO DEVELOP MANAGERIAL, ENTREPRENEURIAL AND LEADERSHIP QUALITIES.

Chemical Engineering students in an overseas project, building a "reed bed" which helps villagers recycle their water.
ACADEMIC DIVERSITY AND FLEXIBLE BROAD-BASED EDUCATION, WHICH ENABLES STUDENTS TO PURSUE THEIR EDUCATIONAL OBJECTIVES, SUCH AS BEING EQUIPPED FOR CUTTING-EDGE MULTIDISCIPLINARY RESEARCH OR BECOMING MORE BUSINESS SAVVY THROUGH A SECOND DEGREE IN BUSINESS OR ECONOMICS.

DIVERSITY WITH A GLOBAL PERSPECTIVE
FACULTY OF ENGINEERING

The Faculty of Engineering is the largest faculty of the National University of Singapore (NUS) with over 6,000 undergraduates and 2,900 graduate students. It has been consistently ranked among the top in The Times Higher Education Supplement under the category of Universities in Engineering and Technology since 2004. Its mission is to nurture a new generation of engineers through quality education that unlocks the full potential of its students and equip them with the latest knowledge and skills that help them handle complex, multidisciplinary problems of different magnitudes.

Dr Yaacob Ibrahim receiving the Distinguished Engineering Alumni Award from Dean of Engineering, Prof Chan Eng Soon in 2010.

WE ARE RANKED

2ND

QS ASIAN UNIVERSITY RANKINGS 2012.
GLOBAL STANDING

The Faculty offers a number of flexible and alternative programmes with the latest inclusions of the Design-Centric Programme (DCP) and the Global Engineering Programme (GEP).

The DCP places a strong emphasis on cross-disciplinary and problem-based learning whereas the GEP opens up opportunities to students to take up graduate studies in their fourth year of studies with reputable partner universities in other countries.

Degrees offered by this Faculty are accredited by the Engineering Accreditation Board (EAB) of Singapore which is a signatory of the Washington Accord. With this accreditation, students are allowed to practise their field of expertise in countries such as Australia, Canada, Hong Kong, Japan, New Zealand, UK and USA.

THE DESIGN-CENTRIC PROGRAMME (DCP)

The newly minted Design-Centric Programme (previously known as the Design-Centric Curriculum) is a flexible and innovative alternative learning pathway that nurtures its students as engineers with a global perspective and yet sensitive to local cultural subtleties. The programme also equips the students with the ability to solve complex challenges of societal importance.

The programme offers two pathways: the general pathway and the specialist pathway. Students will spend three years in the specialist pathway; or three-and-a-half years in the general pathway, partnering with students of different engineering disciplines.

Students on the general pathway starts with the identification and formulation of problems through the full cycle of empathy, definition, ideation, prototyping, and testing (the Design Thinking Cycle), leading to a clear roadmap for their respective projects. Students will employ the latest engineering principles to address problems – from simple to increasingly complex issues.

Students taking the specialist pathway will work on problems within a topical engineering challenge.

The Faculty of Engineering provides me with endless opportunities for my academic pursuit and personal development. Being in Environmental Engineering exposes me to the growing green industry and allows me to take on the challenge of creating a sustainable future. I am privileged to be part of the Design-Centric Programme which brings together a multidisciplinary team to devise systemic engineering solutions with design thinking. Through the concerted efforts of the close-knit and vibrant ESE community, our projects have made a significant impact on the environment and humanity.

ALGERNON HONG CHIN SENG
Year 3, Environmental Engineering & Design-Centric Programme

DCP students taking Singapore’s first Engineering-in-Medicine module, a collaboration with Singapore General Hospital
They will still go through the Design Thinking Cycle but will ideate within the predefined challenges to offer engineering solutions.

Other features include generic DCP modules, specially tailored enrichment programmes, and a learning environment that encourages creativity, team learning, and collaboration across various disciplinary boundaries.

**THE GLOBAL ENGINEERING PROGRAMME (GEP)**

The Global Engineering Programme (GEP) was first introduced in 2009. It is an exclusive programme designed for students with exceptionally high potential to excel. It offers an enhanced and flexible education with close mentoring that incorporates a global learning experience. The programme will eventually lead to the award of two degrees: Bachelor of Engineering (B.Eng.) at NUS within three years, and those who qualify for admission to a top university will be awarded another postgraduate degree in Engineering through their fourth year of studies. Scholarships will be provided for undergraduate studies. Students of this programme will also enjoy advanced placement credits, resulting in exemptions from specific modules, as well as take up self-study modules. They will be expected to spend at least one semester overseas on an exchange programme. Specially-tailored Undergraduate Research Opportunity Programme (UROP) projects at NUS or a GEP partner university will provide early research exposure to its students.

**BACHELOR OF ENGINEERING**

**BIOENGINEERING**

A fusion of Engineering and Life Sciences, Bioengineering sets to impart knowledge in Engineering, Applied Biosciences, and Healthcare Applications. It also aims to endow students with the fundamental knowledge, expertise, and skill sets that are required to be an effective leader in their field of choice.

Graduates will be effectively capable to analyse problems from the perspectives of both Engineering and Biology, anticipate issues in working and living systems, and evaluate a wider range of possible approaches. They can look forward to joining the biomedical device and biotechnology industries, hospitals, research institutes, government agencies, and universities. They may also choose to further their academic pursuit in a graduate programme in Medicine or other Biomedical Engineering related topics.

**CHEMICAL ENGINEERING**

A distinctive programme offered by the Department of Chemical & Biomolecular Engineering, this much sought after programme is a unique amalgamation of Engineering and Chemical Sciences, Life Sciences, and Material Sciences.

It offers a strong foundation in the basic sciences and core chemical engineering, synergised with exposure in Life Sciences, Design and Research projects, and technical electives to prepare students for the following industries: Chemical, Petroleum, Petrochemicals, Pharmaceutical/Biomedical Sciences, Semiconductor, Engineering Consultancy, as well as Research.

Today, Chemical Engineering remains a field crucial to the economic growth of Singapore and Asia -- the chemical sector, together with pharmaceuticals, remains as the nation’s largest manufacturing output. With the transformation of Jurong Island into a major petroleum and petrochemical hub, and major investments in biopharmaceutical and biological manufacturing in Tuas Biomedical Park, students can look forward to a rewarding career in this growing field.

**COMPUTER ENGINEERING**

This is a joint programme of the Department of Electrical and Computer Engineering at the Faculty of Engineering, and the Department of Computer Science at the School of Computing.

The programme explores synergies and strengths of the two departments within NUS. It aims to produce graduates with a firm foundation to work in the critical layer of technology and interfaces of hardware with software. Graduates will be competent in attaining significant knowledge and abilities in key technologies for real-time embedded systems, computer networking & wireless communication systems, medical imaging & information systems, and intelligent control systems, amongst the rest.
Computer Engineers will also have a wide spectrum of skills such as development of portable multimedia devices and handphones, creation of novel security/cryptographic systems for the protection of images, music, games development, design of human machine interface, and many other computer related hardware/software products.

Students of this programme will be given the opportunity to pursue a research on Embedded Systems, Computer and Communications Networks, Electronic Gaming, Algorithm Development, Artificial Intelligence, Biomedical Computing, and so forth.

**CIVIL ENGINEERING**

This programme produces high caliber civil engineers who will be able to meet the growing demand for a higher quality of life, as they plan and design increasingly complex projects. Additionally, they also improve infrastructure for sustainable development such as structures that can withstand natural and man-made disasters or minimise their impact for extremely severe cases. They can also specialise in Offshore and Marine Engineering.

The Department of Civil & Environmental Engineering plays a pivotal role in transforming students with a good background in Physics and Mathematics to graduates with a strong competence in Structural Engineering, Hydrodynamics, Geotechnical, and Transportation Engineering. The Department also trains engineer-leaders with strong fundamentals in Civil and Environmental Engineering complemented with knowledge in Management, Economics, and Law.

**ELECTRICAL ENGINEERING**

As the technological world continues to evolve, Electrical Engineering (EE) plays an increasingly important role in the creation of innovative ideas, products, and solutions to meet the market’s demand.

The Electrical & Computer Engineering (ECE) Department provides a nurturing environment that prepares its students for a career in the engineering industry, business or research capacity. EE graduates will have a strong foundation in the fundamental concepts and analytical tools of contemporary electrical engineering, including Electronics Circuit Design, Signal Processing, Signals, Systems and Control, Microprocessor Systems, and Physics of Semiconductor Devices.

Students who are keen in research will have opportunities to work in areas as diverse as Nanotechnology, Biomedical Engineering, Interactive Digital Media, Games, Intelligent Systems, Energy Systems, Renewal Energies, Robotics, Communications, and Integrated Circuit Design.

**ENGINEERING SCIENCE**

In an increasingly competitive global economy, engineers equipped with integrated science and engineering skills for multidisciplinary R&D positions are critical in the next phase of Singapore’s growth.

Engineering Science, a fusion of Sciences, Mathematics and Engineering, produces graduates well placed to solve multidisciplinary challenges.
Engineering Science, a fusion of basic Sciences, Mathematics and Engineering, is designed to produce engineer-scientists who are well prepared to solve multidisciplinary problems, develop innovative designs, and integrate systems at the interfaces of Engineering and Science.

In the first two years of study, students will build a strong foundation in Engineering and Science by taking a set of relevant core modules. Design projects are also integrated into the curriculum to provide integrative learning and hands-on experience in the application of the fundamentals acquired.

In the final two years, students can choose to pursue their interests in Nanoscience and Nanotechnology, Computational Engineering Science, Photonics & Optics or Energy Systems. Engineering Science graduates will have a strong scientific background for leadership roles in Research & Development, government, and civilian jobs.

**ENVIRONMENTAL ENGINEERING**

The Environmental Engineering programme encourages a multidisciplinary approach to solving complex environmental problems. It equips its students with a sound scientific knowledge combined with advanced engineering capabilities for their understanding of global environmental issues.

The Department of Civil & Environmental Engineering promotes unique researches and educational opportunities in all aspects of air, land, and water systems including water quality and treatment, wastewater reclamation and reuse, air pollution assessment and treatment, aerosol science and technology, management of terrestrial and coastal resources, separation science and technologies, human and environmental health, industrial ecology, climate change, renewable energy, and the broader environmental sciences.

Students will have opportunities to develop pilot and full-scale test facilities. They are encouraged to work with postgraduate students and faculty members to gain a hands-on experience in the area of research and development of new technologies.

**INDUSTRIAL & SYSTEMS ENGINEERING**

This programme offered by the Industrial & Systems Engineering (ISE) emphasises efficiency and productivity improvements derived from the combination of Engineering, Mathematics, Economics, Statistics, and the Social Sciences.

It provides potential decision makers with the ability to identify, analyse and design complex production systems to resolve real-world problems in the Manufacturing, Logistics, Defence and Service industries.

As Singapore evolves into a knowledge-based economy and upgrades its industries, there is now a greater demand for ISE engineers to improve efficiency and productivity. With a strong foundation grounded on quantitative fundamentals and a broad exposure to applications in various industries ranging from manufacturing to services, ISE graduates will be well equipped to facilitate decision making and improve efficiency and productivity in these industries.
MATERIALS SCIENCE & ENGINEERING
The Materials Science and Engineering programme is a dynamic, interdisciplinary study that combines fundamental sciences (Chemistry, Physics and Life Sciences) with applied engineering (Electronics, Mechanical, Chemical and Bioengineering).

It strives for a basic understanding of how the science of material structures and processes, at an atomic scale, results in the properties and functions familiar at the engineering level. One aspect involves studying and designing materials to make them useful and reliable.

The department focuses on emerging findings such as nano-structured materials and biomedical materials in sustainable energy, infocomm technology and biotechnology. These areas offer exciting opportunities in the research of high-tech materials, which are of economic importance to Singapore.

Students will get hands-on experience using state-of-the-art equipment and facilities in the laboratories. This will ensure that its graduates are well-equipped with sufficient practical knowledge and experience to excel in their field of expertise.

BACHELOR OF TECHNOLOGY (PART-TIME)
This programme is developed for polytechnic graduates or those with an equivalent qualification, working in the local industry. It offers an affordable route for them to study towards a highly-regarded engineering degree. All classes are conducted on weekday evenings and Saturday afternoons.

This programme will lead to B.Tech degrees in Chemical, Electronics, Industrial & Management and Mechanical Engineering. The modular curriculum structure allows students the flexibility to plan their studies and achieve a good balance between work, family and study. Students can also choose to complete their degree in a minimum of four years or up to a maximum of eight years.

Students can choose from one of the following specialisations through the course of this programme:
• Aeronautical Engineering
• Automotive Engineering
• Energy & Sustainability Engineering
• Offshore Oil & Gas Technology

NUS Formula SAE Racecar 2012: Rank 29th overall out of 120 teams (best in Asia and only Asian team in top 25 percentile), FSAE Chief Design Judge Award Runner-up (2nd in engineering design drawing), 6th in marketing presentation, 8th in fuel economy.
<table>
<thead>
<tr>
<th>COURSE</th>
<th>SUBJECT PREREQUISITES</th>
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<tbody>
<tr>
<td>BACHELOR OF ENGINEERING IN CHEMICAL ENGINEERING</td>
<td>Thermodynamics, transport phenomena, reactor systems, separation processes, process design, safety and control</td>
</tr>
<tr>
<td>(HONOURS)</td>
<td>H2 Mathematics, and H2 Physics&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN ENVIRONMENTAL ENGINEERING (HONOURS)</td>
<td>Air and water pollution abatement, industrial safety and health, solid waste management and environmental management</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN BIOENGINEERING&lt;sup&gt;3&lt;/sup&gt; (HONOURS)</td>
<td>Biomaging and biosignal processing, biomechancs and computational modeling, nanobioengineering &amp; nanobiotechnology, and biomaterials/ tissue engineering &amp; repair</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN CIVIL ENGINEERING (HONOURS)</td>
<td>Civil engineering materials, construction management, environmental engineering, geotechnical engineering, hydraulic engineering, infrastructure systems, structural engineering and transport engineering</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING (HONOURS)</td>
<td>Software engineering, embedded computing, computer communications networks, digital and wireless communications, intelligent control and systems, advanced digital design, multimedia signal processing, interactive digital media</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN ELECTRICAL ENGINEERING (HONORS)</td>
<td>Advanced control, advanced electronics, biomedical engineering, cellular mobile communications, magnetic recording systems, multimedia communications, microwave and RF systems, mechatronics and automation, multimedia signal processing, optoelectronics, power electronics and drives, energy systems and VLSI design and manufacturing</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN INDUSTRIAL AND SYSTEMS ENGINEERING (HONORS)</td>
<td>Operations research, systems design and optimisation, integration of complex systems, supply chain modelling, quality engineering and management, human factors engineering</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN MATERIALS SCIENCE AND ENGINEERING (Honours)</td>
<td>R&amp;D in various industries, materials related research in Research Institutes, nanotechnology and nano-materials, materials in batteries and fuel-cells, special metals and composites in aerospace industries</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING (HONOURS)</td>
<td>Aeronautical engineering, automotive engineering, biomechanical engineering, energy &amp; thermal process engineering, materials engineering for design, mechatronics, micro-systems technology, offshore oil &amp; gas technology, precision engineering, product design</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING IN ENGINEERING SCIENCE (HONOURS)</td>
<td>Nanoscience and nanotechnology, computational engineering science, photonics and optics, energy systems</td>
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</table>

Teamwork is very much part of the culture at NUS Engineering.
YOUR FUTURE, OUR PRIORITY

DOUBLE DEGREE PROGRAMMES

<table>
<thead>
<tr>
<th>COURSE</th>
<th>SUBJECT PREREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACHELOR OF ENGINEERING (HONOURS)/BACHELOR OF SOCIAL SCIENCE (HONOURS) IN ECONOMICS</td>
<td>Two routes of admission: direct admission by students with ‘A’ Level entry requirement for both courses, or application by students in B.Eng. or BBA Economics Programme at end of their first year of study</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING (HONOURS)/BACHELOR OF SOCIAL SCIENCE (HONOURS) IN ECONOMICS</td>
<td>Two routes of admission: direct admission by students with ‘A’ Level entry requirement for both courses, or application by students in B.Eng. or BBA Economics Programme at end of their first year of study</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING (HONOURS)/ BACHELOR OF BUSINESS ADMINISTRATION (HONOURS)</td>
<td>Students may apply for pre-admission in Semester One of Year One in their respective faculties; Admission into the programme after satisfactory performance in their first year</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING (HONOURS)/ BACHELOR OF BUSINESS ADMINISTRATION (ACCOUNTANCY) (HONOURS)/NON- HONOURS</td>
<td>Students may apply for pre-admission in Semester One of Year One in their respective faculties; Admission into the programme after satisfactory performance in their first year</td>
</tr>
<tr>
<td>BACHELOR OF ENGINEERING (HONOURS)/ BACHELOR OF BUSINESS ADMINISTRATION (ACCOUNTANCY) (HONOURS)/NON- HONOURS</td>
<td>Students may apply for pre-admission in Semester One of Year One in their respective faculties; Admission into the programme after satisfactory performance in their first year</td>
</tr>
</tbody>
</table>

1. Students without H1 or H2 Physics need to have an ‘O’ level pass in Physics or its equivalent and would be required to take Physics bridging modules.
2. Students without H1 Physics or a Physics major would be required to take Physics bridging modules.
3. Students without a H2 pass in Chemistry or a Chemistry major or its equivalent must read the Chemistry bridging module (CM1417) in the first year.
4. These Double Degree Programmes are open to engineering students from these fields: Bioengineering, Chemical, Civil, Computer, Electrical, Environmental, Industrial & Systems, Materials Science, and Mechanical.

MR TAN GEE PAW

Mr Tan graduated from NUS with a Master in Systems Engineering in 1971, after obtaining his first degree in Civil Engineering with Honours from the University of Malaya. He went on to carve out a successful career in the area of environmental and water management in his capacity as Permanent Secretary (Environment) and as Chairman of PUB.

DR YAACOB IBRAHIM

Dr Yaacob Ibrahim graduated from NUS with a Bachelor of Engineering degree in Civil Engineering (Honours) in 1980 and a Master of Science in Civil Engineering four years after. He worked as a structural engineer before proceeding to pursue a Ph.D. at Stanford University in the very same year. His contributions to the growth of the nation and the engineering industry as Minister for Communications and Information & Minister-in-Charge of Muslim Affairs are eminently apparent.

Please visit www.eng.nus.edu.sg/ero/alumni/ distinguished_alumni/ for more information on our distinguished Engineering alumni.
CAREER PROSPECTS

<table>
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<tr>
<th>DISCIPLINES</th>
<th>INDUSTRIES (CAREER OPPORTUNITIES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioengineering</td>
<td>Biomedical devices, hospitals and medical centers, biomedical science/life sciences and biotechnology companies, research institutes and statutory boards</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>Chemical, oil &amp; gas, petroleum, Petrochemical, Polymers, food, Pharmaceutical/biomedical science, electronics/semiconductors, engineering consultancy, Research institutes and statutory boards</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>Engineering consulting firms, R&amp;D institutions, construction and offshore engineering, environmental engineering and transport industries</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>Digital and wireless communications, embedded computing, intelligent systems, Internet, multimedia, creative arts and software companies</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Digital and wireless communications, computers and peripherals, control and automation, electronics, Internet, energy systems management, semiconductor, Wafer fabrication and manufacturing, Avionics, engineering consultancy, Transportation management, etc.</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>Academic, government organisations and private companies in: Semiconductor &amp; microelectronics, Data storage &amp; media, Scientific instrumentation, Chemicals &amp; Pharmaceuticals, Computational, design and consultancy, Renewal energy, Analytical microscopy, Biomedical imaging, Start-up nanotechnology, clean energy &amp; other hi-tech companies</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>Petroleum, Petrochemical and chemical process industries, safety, health, Environmental consulting industries, research and utilities</td>
</tr>
<tr>
<td>Industrial &amp; Systems Engineering</td>
<td>Manufacturing, logistics and supply chains, airlines, banking/management consultancy, Telecommunication and utilities, defence, leisure</td>
</tr>
<tr>
<td>Materials Science &amp; Engineering</td>
<td>Semiconductor, Information storage, Pharmaceutical and chemical industries, Aerospace and Defence industries, Metals, Ceramics, Polymers, Composites and Special materials</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>Aerospace, automotive, biomedical, control and automation, Engineering consultancy, Manufacturing, Materials processing, Mechanical engineering services, Oil and gas, Power generation, Semiconductor, Thermal environment</td>
</tr>
</tbody>
</table>

OUR CIVIL AND MECHANICAL ENGINEERING DEPARTMENTS ARE RANKED

5TH

QS WORLD UNIVERSITY RANKINGS 2012

WE OFFER A DIVERSE CURRICULUM, UP TO

10

ENGINEERING DEGREES

FOR GENERAL ENQUIRIES

FACULTY OF ENGINEERING
Block EA #07-26,
9 Engineering Drive 1, Singapore 117576
T 65 6516 2101
F 65 6777 3847
W www.eng.nus.edu.sg/ero/
NUS Law is the only law school in Asia ranked in the world’s top ten.

FACULTY OF LAW

Established in 1956, NUS Faculty of Law has since made a name for itself as a law school of distinction, attracting top students from Singapore and beyond.
NUS LAW IS RANKED AMONGST THE WORLD’S TOP 10 LAW SCHOOLS

QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2012

IN THE WORLD OF LAW AND JUSTICE

FACULTY OF LAW

Today, NUS Law is widely regarded as Asia’s leading law school, and one of the best law schools in the world. Graduates with the NUS Bachelor of Laws (Honours) degree are accepted as lawyers in a variety of jurisdictions including Singapore, Malaysia, the United Kingdom, Australia, and the United States of America.

NUS Law graduates are found practising law in world-class law firms in major cities, and making an impact on government agencies, international organisations, multi-national corporations, academia, non-governmental organisations (NGOs), and arts and media groups.

STUDENTS HAVE THE DISTINCTIVE BENEFIT OF PARTICIPATING IN INTERNATIONAL EXCHANGE PROGRAMMES AND MOOTING COMPETITIONS TO BROADEN THEIR EDUCATION

The deanship of NUS Law
PROGRAMMES/COURSES OFFERED BY THE FACULTY

BACHELOR OF LAWS (HONOURS)

FOUR-YEAR LL.B. PROGRAMME
www.law.nus.edu.sg/admissions/4_yrs_llb_prog.html

To find out about the four-year LL.B. programme, you may wish to visit the link above.

THREE-YEAR GRADUATE LL.B. PROGRAMME
www.law.nus.edu.sg/admissions/3_yrs_grad_prog.html

The Bachelor of Laws (LL.B.) degree is not only an undergraduate honours degree, it is also a professional degree that is recognised for admission to practice in Singapore. This programme is open to both local and international students.

A majority of the LL.B. undergraduates enter NUS Law after completing their pre-university studies and read a four year LL.B. degree. Other students may also enter the programme upon completion of a first degree at a university in another discipline. Those who hold a first degree in another discipline can complete their LL.B. degree in three years, under a special programme known as the Graduate LL.B. (GLB) Programme.

DOUBLE HONOURS DEGREE PROGRAMMES

The double honours degree programmes offer world-class education that leverages on interdisciplinary opportunities in a university ranked amongst the world’s best.

DOUBLE HONOURS DEGREE PROGRAMME WITH NUS BUSINESS SCHOOL

LAW AND BUSINESS ADMINISTRATION
www.nus.edu.sg/prog/bbalaw/overview.html

Students who successfully complete this five-year programme will be awarded both Bachelor of Business Administration (Honours) and Bachelor of Laws (Honours) degrees.

DOUBLE HONOURS DEGREE PROGRAMME WITH FACULTY OF ARTS AND SOCIAL SCIENCES

LAW AND ECONOMICS
www.nus.edu.sg/prog/econlaw/overview.htm

Students who successfully complete this five-year programme will be awarded both Bachelor of Social Sciences (Honours) and Bachelor of Laws (Honours) degrees.

DOUBLE HONOURS DEGREE PROGRAMME WITH FACULTY OF SCIENCE

LAW AND LIFE SCIENCES
www.nus.edu.sg/prog/lawlifesciences/overview.htm

Students in this programme will be able to choose a single honours degree (with an honours in Law), which will allow them to complete both degrees in four and a half years. They can also choose to pursue a double honours degree (with honours in Law and Life Sciences) that can be completed within five years.

What sets NUS Law apart from other institutions is that it is a close-knit family and this sense of community defines my experience in law school. Professors and tutors always make time for a friendly chat and are happy to give advice or simply encouragement whenever sought. The Faculty also strongly supports students who want to take part in extra-curricular activities, and the combination of both encourages students to take risks and create opportunities for themselves in a conducive environment. In this respect, I have been able to pursue my interest in public international law by volunteering at a law NGO in Hanoi in my second year of law school and, more recently, assist with research work for the Centre for International Law.

MUBIN SHAH RAMAZAN
Year 4, Law
CONCURRENT DEGREE PROGRAMMES

CONCURRENT DEGREE PROGRAMME WITH LEE KUAN YEW SCHOOL OF PUBLIC POLICY
www.nus.edu.sg/prog/mpplaw

Students in this programme will have the opportunity to complete both degrees within four and a half to five years. Graduates from this programme will obtain a Bachelor of Laws (Honours) degree and a Master in Public Policy degree upon successful completion of the programme.

PROGRAMMES WITH NEW YORK UNIVERSITY (NYU) SCHOOL OF LAW

Available to undergraduates from NUS Law, potential students may apply to New York University (NYU) at the end of their first or second year of study at NUS Law. Admission into NUS Law is not a guarantee of admission into NYU.

CONCURRENT DEGREE PROGRAMME (LL.B./LL.M.)
BACHELOR OF LAWS (HONOURS) /MASTER OF LAWS
www.law.nus.edu.sg/student_matters/llb_prog/nyu_nus_llb_llm.html

This programme allows students who are on the four-year LL.B. programme to obtain both a Bachelor of Laws (Honours) degree from NUS and a Master of Laws degree from NYU. Students will complete three years of Law studies at NUS before spending their final year at NYU.

Students who are on the three-year Graduate LL.B. (GLB) programme, can also seek admission and commence the LL.M. in their second semester of their third year of studies, in order to be awarded both degrees. They will have to complete two and a half years at NUS Law before proceeding to complete their final year study at NYU, to graduate.

DOUBLE DEGREE PROGRAMME (LL.B./J.D.)
BACHELOR OF LAWS (HONOURS) /JURIS DOCTOR
www.law.nus.edu.sg/student_matters/llb_prog/nyu_nus_llb_jd.html

This programme comprises five years of full-time study for NUS undergraduates, and four years of full-time study for NYU undergraduates and NUS Graduate LL.B. (GLB) students. Students who successfully complete the programme will be awarded both a Bachelor of Laws (Honours) degree from NUS and a Juris Doctor degree from NYU.

PROGRAMMES WITH BOSTON UNIVERSITY (BU) SCHOOL OF LAW
www.bu.edu/law/prospective/llm/american

This programme has been made available to undergraduates of NUS Law. Potential students may also apply to the BU LL.M. in semester one of their second year at NUS.

CONCURRENT DEGREE PROGRAMME (LL.B./LL.M.)
This Concurrent Degree Programme allows students on the four-year LL.B. programme to obtain both a Bachelor of Laws (Honours) degree from NUS, and a Master of Laws degree from Boston University in a four-year, full-time study.

Students will have to complete three years of studies at NUS Law before proceeding to spend their final year at the Boston University to read an LL.M. in American Law on a fee-waiver basis. Upon completion of the LL.M. at Boston, NUS Law students will then graduate with an LL.B. (Hons) from NUS and an LL.M. in American Law from Boston.

SPECIAL PROGRAMMES

LAW - UNIVERSITY SCHOLARS PROGRAMME (USP)
www.law.nus.edu.sg/admissions/llb_usp.html

The University Scholars Programme is an interdisciplinary academic programme for NUS undergraduates housed within the USP residential college. The NUS Law-USP partnership seeks to add a deeper dimension to the classroom and curricular experiences to further enhance intellectual inquiry beyond the disciplinary boundaries. Students who study in USP and NUS Bachelor of Laws’ (LL.B.) curricular.

Students of the NUS Law-USP can also look forward to an enhanced and informal learning opportunity through residential living.

LAW - UNIVERSITY TOWN RESIDENTIAL PROGRAMME (UTRP)
www.law.nus.edu.sg/admissions/llb_utrp.html

The University Town Residential Programme (UTRP) is a multidisciplinary academic programme offered in the Alice & Peter Tan College and Tembusu College at University Town. This unique programme offers students an opportunity to read an elective outside
their majors, and pursue other subjects of interest while living and learning with the College community. Through this programme, students will develop strategies for clear and impactful writing skills, to chisel their inquiry and critical reasoning skills. It also grooms them to be able to clearly articulate their ideas on issues that are of global and Asian concern.

**LAW-YALE-NUS (YNC DDP)**


This double degree programme in Law is offered jointly by Yale-NUS College and NUS Law. This five-year programme was established in line with Yale-NUS College’s and NUS’ aim in attracting students of high calibre from Singapore and around the world. This programme will provide an interdisciplinary legal education in a residential, liberal arts setting.

Fifteen to 25 students will be granted into the prestigious programme each year. Students who have met the graduation criteria will be awarded a Bachelor of Arts (with Honours) degree from Yale-NUS College and a Bachelor of Laws (with Honours) degree from the NUS Law.

In the first year of the programme, students will be required to stay at Yale-NUS College and enjoy the full benefits of the residential college experience.
Double degree students will also be expected to spend the entire first year of the programme at the Yale-NUS College, taking the Common Curriculum and a specific Law-related elective. Students will then undertake the Common Curriculum, elective courses at Yale-NUS College, and core and elective Law courses at NUS Law’s Bukit Timah Campus (BTC), in their second to fourth years.

It is also possible for the students to build a semester of an exchange programme abroad. In the fifth year, students will move out of the Yale-NUS College residential college and continue with their academic pursuit at BTC.

Students will also have to complete a capstone project in the fifth year, which entails a research and writing project in a topic that combines Law and the Liberal Arts.

ADMISSION AND SHORT-LISTING

Applicants who are shortlisted for any of the above programmes must sit for a written test and undergo an interview in the month of April. The interview and test is set to assess the level of competency in the English language, reasoning ability, as well as suitability for the LL.B. programme.

COMPETITIVE ADVANTAGE

Students will be offered a wealth of opportunities at NUS Law. In addition to the Double and Concurrent Degrees offered in partnership with established faculties and schools at NUS, the law faculty also offers various degree programmes of choice with the New York University (NYU) School of Law and Boston University (BU).

An example would be the concurrent degree programme where students will be able to obtain both an undergraduate Bachelor of Laws (Honours) degree from NUS, and a Master of Laws degree from NYU or BU in just four years. The curriculum and programmes are regularly reviewed to prepare students for the globalisation of legal services.

Please visit www.law.nus.edu.sg/student_matters/student_ex.html for a list of partner law schools and universities.

Programmes offered by NUS Law are taught by experts in their respective fields, and the students are closely guided and mentored. Apart from the privilege of studying with the best possible resident and visiting professors, NUS Law students can also apply for the Student Exchange Programme (SEP) at one of more than 50 partner law schools around the world.

Our alumni occupy the ranks of government, the legal community, business, the arts and media communities, as well as almost every other niche professions. They hold positions as advocates and solicitors, as legal officers in government, as judges and magistrates. They also command important roles in the private sector as executives in various fields of commerce and industry, and as academics in reputable tertiary institutions.

DISTINGUISHED ALUMNI

Our distinguished alumni include Tommy Koh ’61 (Singapore Ambassador-At-Large at the Ministry of Foreign Affairs), Halimah Yacob ’78 (Singapore Speaker of Parliament), Steven Chong Horng Siong, SC ’82 (Attorney - General of Singapore), K. Shanmugam, SC ’84 (Singapore Minister for Foreign Affairs and Minister for Law), Sundaresh Menon ’86 (Chief Justice of the Supreme Court, Singapore) eminent judges, Members of Parliament, diplomats, professors, and law practitioners.

140 SUBJECTS TAUGHT BY INTERNATIONAL AND LOCAL EXPERTS IN THEIR RESPECTIVE FIELDS.

50 PARTNER LAW SCHOOLS AROUND THE WORLD.

FOR GENERAL ENQUIRIES

FACULTY OF LAW
National University of Singapore
469G Bukit Timah Road, Eu Tong Sen Building
Singapore 259776
T 65 6516 7049
F 65 6779 0979
E lawUGadm@nus.edu.sg
W law.nus.edu.sg/admissions/index.html
INTER-PROFESSIONAL EDUCATION
The NUS community includes students from various health professions. Our medical students communicate and work together with students from Nursing, Dentistry, Pharmacy, and Social Work to optimise learning.

YONG LOO LIN SCHOOL OF MEDICINE

LARGEST MEDICAL ALUMNI NETWORK IN SINGAPORE
HAVING A ‘BIG BROTHER OR BIG SISTER’ TO WATCH OVER OUR YOUNG GRADUATES’ CAREER DEVELOPMENT AND PROGRESSION IS A GREAT PLUS FOR OUR STUDENTS.
At the Yong Loo Lin (YLL) School of Medicine (SoM), students are nurtured to be doctors of tomorrow and prepared for challenges of the future. Leadership and transformative education comes from nurturing through passionate mentorship, hands-on experience, and an academic environment that develops a holistic approach to individuals and systemic healthcare.

As the most established medical school in Singapore, YLLSoM has trained doctors and leaders that shape Singapore’s healthcare system and medical practices. The School brings together Medicine, Nursing, Public Health and other disciplines to provide a dynamic inter-professional education; preparing the students through real situational experience in a safe and inspiring environment.

STATE-OF-THE-ART TRAINING FACILITIES
THE NEW CENTRE FOR TRANSLATIONAL MEDICINE PROVIDES FIRST-CLASS MEDICAL TRAINING; SIMULATED HOSPITAL WARD, INTENSIVE CARE UNIT, EMERGENCY ROOM, OPERATING THEATRE & OUTPATIENT CLINIC.

GROOMS HIGH CALIBRE MEDICAL PRACTITIONERS
YONG LOO LIN SCHOOL OF MEDICINE

1 MEDICAL SCHOOL IN AISA
QS WORLD UNIVERSITY RANKINGS 2011 & 2012
YLLSoM has 16 departments: Anaesthesia, Anatomy, Biochemistry, Diagnostic Radiology, Medicine, Microbiology, Obstetrics and Gynaecology, Ophthalmology, Orthopaedic Surgery, Otolaryngology, Paediatrics, Pathology, Pharmacology, Physiology, Psychological Medicine and Surgery.

The School is also home to the Alice Lee Centre for Nursing Studies (ALCNS) and the Centre for Biomedical Ethics (CBmE). In 2011, the School opened its door to the Centre of Translational Medicine that houses the latest in teaching and learning technologies to support the highly interactive pedagogies. Educational facilities include a new medical library, active learning seminar rooms, and the largest healthcare simulation centre in Singapore.

The School now offers a five-year medical programme that integrates hands-on clinical training through multi-specialist teams. Graduates from the School will be awarded the Bachelor of Medicine and Bachelor of Surgery (M.B., B.S.) degrees.

The breadth and depth of a NUS YLLSoM medical education develops well-rounded doctors who are ready to take up challenges in the ever-changing field of medicine. The goal of the curriculum is to groom high calibre graduates into compassionate and ethical doctors that meet Singapore’s current and future needs in the very field. Graduates will have a strong foundation to take up appointments as clinicians, researchers, educators, or health administrators.

As a student of Yong Loo Lin School of Medicine, I am being taught daily about both the intellectual and humanistic elements to life that are exclusive to Medicine. Not only am I able to learn more about humanity, empathy and kindness, I am also able to utilise them in engaging patients and peers on a daily basis.

Being an active member of the community, especially so in the area of overseas community projects, I have spearheaded various initiatives to bring quality healthcare to paediatric populations in resource-poor settings. My ability to lead in and understand the needs of these populations have grown exponentially since entering the medical school, driving me to achieve an even greater impact through the implementation of new-found knowledge and community support.

"“Studying Medicine has been a life-changing experience -- it is a unique course where aside from academic work, I have learnt much about humanity and compassion. I am truly thankful for the lessons I have gained from the patients I have worked with, as well as the rewarding experiences being part of this medical community has given me. One of the most important lessons I learnt is to pursue and stay true to my dreams, and believe that they are possible to achieve no matter what others say.

SIM HWEI SIAN SHAUNA CHRISTINE
Year 5, Medicine""

"“As a student of Yong Loo Lin School of Medicine, I am being taught daily about both the intellectual and humanistic elements to life that are exclusive to Medicine. Not only am I able to learn more about humanity, empathy and kindness, I am also able to utilise them in engaging patients and peers on a daily basis.

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SIM HWEI SIAN SHAUNA CHRISTINE
Year 5, Medicine""
# OUTCOME-FOCUSED CURRICULUM

<table>
<thead>
<tr>
<th>YEAR</th>
<th>CURRICULUM</th>
<th>HIGHLIGHTS</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Basic Sciences</td>
<td>Normal structure and function of the human body</td>
</tr>
<tr>
<td>2</td>
<td>Abnormal structure and function of the human body</td>
<td>ROLE PLAY &amp; SIMULATION: Cutting-edge simulation to bring academia to life in a controlled environment.</td>
</tr>
<tr>
<td>3</td>
<td>Core clinical practice</td>
<td>LEARNING FROM REAL LIFE: Real patient care responsibilities as a part of a full healthcare team.</td>
</tr>
<tr>
<td>4</td>
<td>Acute and specialty clinical practice</td>
<td>“GLOBAL MEDICINE” OPPORTUNITIES: From end of year 3 through year 5, opportunities for both local and overseas experiences with renowned institutions abroad.</td>
</tr>
<tr>
<td>5</td>
<td>Advanced medicine/surgery clinical postings</td>
<td>STUDENT INTERNSHIP PROGRAMME: Function like a doctor with the added safety of close mentoring by senior clinicians.</td>
</tr>
</tbody>
</table>

Highlights of the undergraduate medical curriculum include:

- early meaningful clinical exposure,
- inter-professional education,
- access to the full spectrum of benefits of being a member of the larger NUS community,
- personalised mentorship in the form of Houses, Health Enhancement Programme (HEP) and Longitudinal Patient Experience (LPE),
- ambulatory and community care experiences,
- emphasis on developing caring and ethical medical professionals,
- time-devoted curriculum through interactive small group teaching,
- use of cutting-edge tools such as simulation and mobile computing,
- option for student electives in local and overseas institutes, and
- Student Internship Programme to provide students real-life practical opportunity for clinical care.

Its broad-based curricular components in the M.B.,B.S. programme includes:

- core content that entails fundamental science and clinical principles, providing knowledge-based essential training for undergraduates to become a proficient doctor;
- longitudinal tracks, which begin in the first year and continues throughout the greater part of the curriculum;
- integration of biomedical science components and clinical teaching that includes Health Ethics, Law and Professionalism; Medicine and Society, Information Literacy, Critical Thinking, Evidence-Based Medicine and Research Methodology; and
- Patient-based Programme, which starts with guided patient exposure in a clinical environment in the first year, allowing further training of patient interaction and communication, physical examination and procedural skills in the second year under the Clinical Skills Foundational Programme. The clinical training is culminated in full-day clinical postings in the third through fifth year.

## ADMISSION CRITERIA

<table>
<thead>
<tr>
<th>COURSE</th>
<th>DURATION</th>
<th>SUBJECT PREREQUISITES FOR STUDENTS PRESENTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACHELOR OF MEDICINE AND BACHELOR OF SURGERY</td>
<td>5 years</td>
<td>'A' LEVEL: Good H2 pass in Chemistry and in either H2 Biology or Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IB DIPLOMA: Good HL pass in Chemistry and in either HL Biology or Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NUS HIGH SCHOOL DIPLOMA: Major CAP of at least 2.0 in Chemistry and in either Biology or Physics. CAP of at least 1.0 in one other major and in English Programme or Research Project</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLYTECHNIC: An approved diploma from a polytechnic in Singapore</td>
</tr>
</tbody>
</table>

Note: The indicative grade profiles of the previous academic year are available at the Office of Admissions website at www.nus.edu.sg/undergrad/gradeprofileprogramme-sg.html
RESEARCH OPPORTUNITIES

With the introduction to research at the start of the Information Literacy track, students who are keen to further their research may choose to participate in the Undergraduate Research Opportunities Programme (UROP). Alternatively, they may sign up as members of the Wong Hock Boon Society – an undergraduate research society for medical students.

Students may engage in scholarship and research in both non-clinical and clinical departments under the keen supervision of the School's staff throughout the course of study.

Those who have successfully completed the UROP will be given due credits endorsed in the final year transcript. In addition, excellent research projects may be considered for research awards offered by the School.

ADMISSION TO THE SCHOOL OF MEDICINE

Applicants must submit an online application indicating Medicine as their first or second choice through the NUS Office of Admissions at www.nus.edu.sg/admissions/undergrad. Shortlisted candidates will be notified by the Office between March and April. All shortlisted candidates must submit a portfolio, undergo an assessment and sit for a situational judgment test.

HEALTH REQUIREMENTS (SUBJECT TO CHANGE)

HEPATITIS B (HBV)

In accordance with the Singapore’s Ministry of Health requirements, potential students must be tested negative for Hepatitis B surface Antigen (HBsAg) in order to be accepted into the M.B.,B.S. degree programme.

All potential medical students must undergo screening for Hepatitis B (HBV) in the year of enrolment even if they have been screened and immunised at the point of offer or earlier.

Candidates who are HBsAg positive (regardless of Hepatitis B e-antigen status) will not be admitted to the M.B.,B.S degree programme. Candidates who fail or decline to undergo HBV screening, furnish evidence of HBV immunisation, and/or refuse to be immunised will also be excluded from the degree programme.

NUS reserves the right to require any or all of its new medical students to undergo further tests for any or all markers of the Hepatitis B virus (HBV), and exclude any candidates who are tested positive for HBV from the M.B.,B.S degree programme.

Students interested in the M.B.,B.S degree programme are encouraged to ascertain their HBV status early. Prospective medical students who are tested negative for HBsAg, but are not immune (anti-HBs negative or < 10mIU/mL) are required to be immunised within one month from the date of screening so as to protect themselves and to prevent HBV transmission at the healthcare workplace.

CHICKENPOX

Prospective students must undergo screening and furnish documentary evidence of immunity to, or immunisation against Chickenpox. This must be done in the year of enrolment regardless of previous screening or immunisation. Those who are tested negative will be required to be immunised within one month from the date of screening.

RUBELLA VIRUS

All candidates must undergo screening for immunity to the Rubella Virus. This must be done in the year of enrolment regardless of previous screening or immunisation. Those who are tested negative for Rubella immunity will be required to be immunised within one month from the date of screening.
FINANCIAL ASSISTANCE
NUS is committed to a needs-blind, merit-based admission policy that does not deny deserving student from being admitted to NUS due to financial difficulty. Scholarships are made available by the Office of Financial Aid. The Yong Loo Lin School of Medicine also offers its own scholarships and bursaries to assist students with financial difficulties or concerns.

BOND
All graduates must serve the Government of Singapore upon successful completion of the M.B.,B.S degree programme. Singaporeans will serve a five-year bond while non-Singaporeans serve a six-year bond after the one-year housemanship/residency training.

EXCEPTIONAL INDIVIDUAL SCHEME (EIS)
The Exceptional Individual Scheme was developed to exercise discretionary criteria in admitting a small number of students to the Yong Loo Lin School of Medicine. Applications submitted through this route will be evaluated by the Selection Committee on the basis of exceptional talent and achievement in addition to excellent academic results. EIS candidates will be invited for an assessment and a situational judgment test like all other candidates.

Details on admissions, including health requirements, financial assistance schemes, and EIS are available at medicine.nus.edu.sg/corporate.

The frequently asked questions (FAQ’s) are available at medicine.nus.edu.sg/corporate/education/medicine/adm_mbbs_faq.aspx
Students will get to learn from a team of international and local faculties, and they will be offered an excellent opportunity to broaden their horizon and experience through the Overseas Exchange Programme.

ALICE LEE CENTRE FOR NURSING STUDIES

THE CURRICULUM OFFERED BY ALCNS REFLECTS CURRENT HEALTHCARE TRENDS AND THE DIVERSE ROLE OF REGISTERED NURSES.
NUS is the first in the history of Singapore to offer comprehensive nursing programmes that lead to the award of B.Sc. (Nursing) and B.Sc. (Nursing) (Honours) degrees.

The role of nurses has evolved and changed over the decades, as technology continues to be a major influence on the profession. The aim of the nursing profession is to deliver quality healthcare and patient care. A career in nursing can nevertheless be challenging and rewarding, offering its students opportunities in clinical practice, education, management, and research around the world.

The establishment of the Alice Lee Centre for Nursing Studies (ALCNS) in the Yong Loo Lin School of Medicine (YLLSoM), National University of Singapore, was a significant milestone in the development of nursing education in Singapore. Our undergraduate programmes strive to develop competent and caring nurses, as well as health care leaders for Singapore and the region.
BACHELOR OF SCIENCE (B.SC.) (NURSING)

The Bachelor of Science (B.Sc.) (Nursing) is a three-year, full-time programme that produces graduates for careers in professional nursing. Upon successful completion of the programme, graduates are eligible to register with the Singapore Nursing Board as Registered Nurses.

Students will study principles from the disciplines of nursing, sciences, and social sciences. They will also learn basic nursing skills in a simulated clinical laboratory on campus and practice the application of theory and clinical skills in a range of healthcare setting.

Students who have achieved a minimum cumulative average point of 3.5 are eligible to apply to the Honours year that leads to the awarding of B.Sc. (Nursing) (Honours) degree. They will gain invaluable research experience and clinical practice skills.

"Studying in ALCNS has been an exciting, enriching, and eye-opening journey. I entered Nursing at the age of 20, thinking that I already knew myself quite well, but in learning new skills and having them honed during practical sessions and clinical attachments discovered a side of me that I never knew. It is a privilege for me to be able to learn how to comfort and care for patients and caregivers alike, empathise with them, and walk with them in their journey. I’m thankful for the patience, knowledge, and unceasing commitment of my teachers, as well as the like-mindedness and together-we-can spirit of my classmates, as we journey through learning together."

HUI WEN-YI MARIANNE
Year 2 (AY2012-13)

ADMISSION AND PROGRESSION

APPLICATION

Admission Interview

ADMISSION

CAP of at least 3.5

UNDERGRADUATE
(3 YEARS)

HONOURS
(1 YEAR)

BACHELOR OF SCIENCE (NURSING)

BACHELOR OF SCIENCE (NURSING) (HONOURS)
DEGREE COURSE | SUBJECT PREREQUISITES
--- | ---
BSC (NURSING) | GCE ‘A’ LEVEL, SINGAPORE-CAMBRIDGE: Any two H2 passes in the following subjects: Biology, Chemistry, Computing, Physics and Mathematics
INTERNATIONAL BACCALAUREATE (IB): Any two HL passes in the following subjects: Biology, Chemistry, Computing, Physics and Mathematics
NUS HIGH SCHOOL: Major CAP of at least 2.0 in any two of the following: Biology, Chemistry, Physics and Mathematics

HEALTH REQUIREMENTS
Please refer to the Health Requirements under the YLLSoM at www.med.nus.edu.sg/corporate for information on Health Requirements.

CAREER PROSPECTS
Upon completion of the NUS B.Sc. (Nursing) or the B.Sc. (Nursing)(Honours) programme, graduates will be
- a competent registered nurse who provides safe and informed care with compassion based on the latest knowledge, theory, and research evidence;
- a critical thinker who is able to question, interpret, apply, analyse and evaluate knowledge to make independent decisions;
- a coordinator of primary, secondary, and tertiary healthcare resources to meet patient’s needs;
- an effective communicator who collects, uses, and disseminates information to optimise care outcomes;
- an advocate for the promotion and maintenance of good health, and for the rights of patients in the healthcare system;
- an exemplary professional nurse role model committed to the learning of one-self and others; and
- a leader and researcher in nursing and related healthcare fields.

CAREER TRACKS IN HOSPITALS
MANAGEMENT
- Assistant Director
- Nurse Manager
CLINICAL
- Advanced Practice Nurse
- Nurse Clinician
- Staff Nurse
EDUCATION
- Principal Nurse Educator
- Nurse Educator

CAREER TRACKS IN TEACHING & RESEARCH IN UNIVERSITIES
PHD
- Professor
- Associate Professor
- Assistant Professor
MASTER’S DEGREE
- Advanced Practice Nurse
- Lecturer

OTHER CAREER OPTIONS
- Manager
- Policymaker
- Clinical Trial Coordinator
- Health Promotion
- School Nurse
- Researcher
- Entrepreneur
- Case Manager
- Community Health
- Global Outreach Healthcare

FOR GENERAL ENQUIRIES
ALICE LEE CENTRE FOR NURSING STUDIES:
Yong Loo Lin School of Medicine
National University of Singapore
Level 2, Clinical Research Centre, Block MD11, 10 Medical Drive, Singapore 117597
F +65 6776 7135
W medicine.nus.edu.sg/nursing

BACHELOR OF SCIENCE (BSC) (NURSING) PROGRAMME
Mrs Elaine Lee - Deputy Director
T +65 6516 3320
E elaine_lee@nuhs.edu.sg
The Conservatory’s studios are well equipped with Steinway grand pianos and the best of orchestral instruments. Students from the String Department can also benefit from the loan of rare stringed instruments from the collection of Mr and Mrs Rin Kei Mei.

YONG SIEW TOH
CONSERVATORY OF MUSIC

THE CONSERVATORY PROVIDES A STUDENT-CENTRIC ENVIRONMENT THAT IS SUPPORTIVE AND CONTEMPORARY.
THE YONG SIEW TOH CONSERVATORY OF MUSIC IS DISTINCTIVELY INTERNATIONAL IN TERMS OF FACULTY, STUDENT POPULATION AND ARTISTIC OUTLOOK.

ASIA’S INTERNATIONAL CONSERVATORY OF MUSIC

YONG SIEW TOH CONSERVATORY OF MUSIC

The Yong Siew Toh Conservatory of Music of the National University of Singapore offers a unique and adventurous 21st century Asian environment of study in training and educating performers, composers, and recording engineers to take advantage of future professional and artistic opportunities anywhere in the world.

The Conservatory was first established in partnership with the Peabody Institute of The Johns Hopkins University, USA. It is distinctively international in terms of its faculty, student population, and artistic outlook. The Conservatory’s mission is to be established as the focal point for musical activity, artistic development and research, both for Singapore and the Asia-Pacific region. There are, currently, 220 students from its expansive base of students who come from a vast 22 countries, including China, India, Malaysia, Indonesia, Myanmar, Thailand, Vietnam, Hong Kong, Macau, Taiwan, Korea, Japan, Canada, New Zealand, Uzbekistan, Mexico, Australia, Iran, the Philippines, the United States, as well as Singapore.

10 YEARS OF TRANSFORMING MUSIC IN SINGAPORE
BACHELOR OF MUSIC (HONOURS) PROGRAMME

The four-year, full-time Bachelor’s degree programme (with honours) focuses on performance, composition and recording arts with appropriate supporting academic studies. Its curriculum is based on a modular system that can be broken down into the following principal elements: Major Study, Academic Classes in Music, University Modules, and Electives.

The programme is designed to prepare performing and creative musical artists for a diverse range of relevant graduate or professional opportunities, both in the Asia-Pacific region and around the world.

It seeks to help students to achieve musical excellence in their specialisation by helping them to develop self-awareness, intuition, imagination, and capacity for effective communication. Currently, the Major studies offered at the Yong Siew Toh Conservatory of Music include:

- Violin, Viola, Cello, Double Bass
- Flute, Oboe, Clarinet, Bassoon
- Horn, Trumpet, Trombone, Tuba
- Percussion, Harp, Piano
- Voice, Composition
- Recording Arts & Science

Yong Siew Toh Conservatory of Music (YSTCM) has given me the opportunity to learn and progress alongside young talented instrumentalists from around the world. This comradeship has helped me stay focused, in brushing up on my art, and confident in my musical pursuit.

State-of-the-art facilities at YST’s Recording Studio have also enhanced my recording knowledge, and my area of expertise has empowered me to work with artistes such as Louis Soliano, Inch Chua, Sugie Pan, Kevin Loh and Y.E.S 93.3 FM DJ Nico Chua. Through this experience, my interpersonal and communication skills have been groomed, enabling me to bring the best out of each musician in future recording sessions.

As a recipient of the NUS Kent Ridge Undergraduate (Merit) Scholarship, I strongly believe in maintaining a balance between school and personal life. Out of NUS, I compose and produce jingles/theme songs for corporations and drama serials. My motto is to embrace life's journey by integrating work and passion, to have fun and enjoy whatever I do.

As I embark on my journey towards excellence and self-discovery, I am also grateful of the support from my family and friends, for making my endeavors much more meaningful.

HUANG PEH LINDE
Year 2, Recording Arts & Science Major
JOINT DEGREE PROGRAMME
This programme is a unique collaborative effort with the prestigious The Peabody Conservatory in Baltimore, Maryland, USA; offering a Joint Bachelor of Music Degree for a selected number of students at both institutions. The programme is the first and only international conservatory degree offered in the world. It allows both local and international students to attend classes on campuses in both countries, providing a broader instructional-based approach, an array of cultural contexts, and learning approaches and experiences.

GRADUATE DIPLOMA IN MUSIC PERFORMANCE
This is a two-year, full-time programme designed specially to provide specialised training for accomplished graduate-level instrumental performers who wish to pursue more performance-intensive goals. It comprises of the following components in its curriculum: Applied Studies, Large Ensemble (or equivalent for piano majors), Chamber Ensemble, and Recitals.

The Conservatory is currently working to develop a Master of Music degree with unique specialisations in the following three areas: Instrumental (orchestral instruments and piano), Conducting, Composition. The programme will promote high-level training in individual student’s major area of study, with a minor emphasis, to both instrument and group pedagogical training; relevant to both the Singaporean and international music scenes.

YOUNG ARTIST PROGRAMME
This one-of-its-kind programme is for teenagers of age 15 to 17, who demonstrate outstanding performance abilities during the auditions for admission to the Bachelor of Music Degree programme – they are not offered admission based on the academic requirements of the National University of Singapore. The programme is conducted by the Conservatory’s faculty members and provides professional training in musical performance with supporting academic study.

ADMISSION REQUIREMENTS
Students who intend to apply for performance-related majors are expected to offer an audition repertoire that meets the audition requirements listed on the website at: www.music.nus.edu.sg/03e_students_apply2.html

Applicants are also expected to meet the minimum academic qualifications for admission to NUS before they enroll into the Conservatory. Details of the academic requirements can be found on the Conservatory website at: www.music.nus.edu.sg/03e_students_apply.html

Candidates who wish to apply for admission to the Recording Arts & Science (RAS) major must acquire an H2 or ‘A’ Level passes in Mathematics and Physics subjects in the Singapore Cambridge ‘A’ Level Examinations, a pass in HL Mathematics and Physics in International Baccalaureate (IB) Diploma, or obtained polytechnic diplomas accredited for Engineering courses in NUS. Candidates with international qualifications are required to have obtained Year 12 or higher level pass in Mathematics and Physics in order to apply for the RAS major programme.

Those who intend to apply for admission to the Young Artist programme must first apply for admission to the Bachelor of Music (Honours) Degree programme. It is also mandatory that they offer an audition repertoire or portfolio based on the undergraduate audition requirements.

SCHOLARSHIP
Full scholarships including tuition fees and living support are currently available to all students admitted to the Bachelor of Music degree programme, following a $50 million gift from the family of the late Dr Yong Loo Lin, and subsequently matched by funding from the Singapore Government.

DISTINGUISHED ALUMNI
With a relatively short history of graduates since 2007, the Conservatory alumni have won over 40 prizes and awards at international awards, as well as full scholarship awards to graduate schools including Boston Conservatory, Peabody Institute, Rice University, Royal Northern College of Music, Guildhall School of Music & Drama, amongst others in the USA and UK.

Currently, 40 alumni are in full-time orchestral positions all over the world, including the St Louis Symphony, Singapore Symphony Orchestra, and Malaysian Philharmonic Orchestra; with a significant number winning associate principal positions on their first appointment. These orchestra positions also include associate and assistant concertmasters in established orchestras such as the Baltimore Symphony and Hangzhou Philharmonic.

Graduates from the Composition Department have also won numerous awards over the years, including the ASCAP Morton Gould Young Composer awards in 2010 and 2012, and commissions all over the world.

FOR GENERAL ENQUIRIES
CONSERVATORY ADMISSIONS OFFICE
Yong Siew Toh Conservatory of Music
3 Estate Office Drive, Singapore 117485
T +65 6516 1167 / +65 6516 8691
F +65 6872 6915
E musadmissions@nus.edu.sg
W www.music.nus.edu.sg
The Faculty of Science is renowned internationally for its research, dedicated teaching staff and innovative study programmes.

**FACULTY OF SCIENCE**

The flexible curriculum affords opportunities for multidisciplinary studies, double degree, double major and minor programmes within and outside the faculty.
AS AN IMPORTANT NEXUS BETWEEN THE ACADEMIA AND INDUSTRIES, FOS STRIVES TO DEVELOP VERSATILE AND ENTREPRENEURIAL GRADUATES FOR GAINFUL EMPLOYMENT GLOBALLY THROUGH A HOLISTIC BROAD-BASED EDUCATION.

THE BRAVE NEW WORLD OF SCIENCES
FACULTY OF SCIENCE

From a modest beginning in 1929, the Faculty of Science has since grown to be one of the largest faculties in the National University of Singapore (NUS) with some 4,700 undergraduates, 1,330 graduate students, and over 270 research-active academic staff. The Faculty has altogether six departments, namely Biological Sciences, Chemistry, Mathematics, Pharmacy, Physics, and Statistics and Applied Probability.

The Faculty has also gained great importance and prominence as Singapore continues to thrive in the area of research and development. The Faculty prides itself in grooming its students to be versatile and enterprising professionals even in the volatile economic climate.

OVER 60% OF STUDENTS ON STUDY ABROAD PROGRAMMES ACROSS 200 UNIVERSITIES IN 30 COUNTRIES
The Faculty of Science has provided me with many opportunities for exploration and self-discovery, especially through special interest overseas programmes like the Joint Minor in Environmental Biology with the University of Toronto that I took up in my third year, as well as local undergraduate research programmes and seminar courses.

I am now working on a final year project on ecological modeling with applications to wildlife conservation. This invaluable experience not only strengthened my academic knowledge and skills, but also provided me with insights to the possible future career options in this area of interest.

I have definitely acquired discipline and time-management skills, which enabled me to adapt very well to the vibrant university life in NUS. My involvement in the NUS Students’ Union Rag Day and NUS Social and Ballroom Club, a student-led dance group, allowed me to continue my passion in dance, exposed me to leadership experiences, and also created many friendships and memories which I will cherish for years to come.

As the old adage goes, “knowledge is power”. The art of discovery and learning captured my attention at a young age, and since then I have spent a large part of my life in the pursuit of Science.

Joining the Faculty of Science has allowed me to explore this interest in Science much further. In particular, being part of the Special Programme in Science (SPS) has proven to be a most enjoyable and stimulating experience as its multi-disciplinary approach towards Science enables me to understand deeper other aspects of Science outside my major. In addition, the SPS provided me with valuable learning opportunities as I get to conduct research projects on topics of my choice, which primed me for graduate studies and a future research career.

I also appreciate the fact that the Faculty members, besides imparting scientific knowledge to us through different and interesting pedagogical approaches, helped to develop our writing ability as well as sharpen our critical and analytical skills, so that we could communicate our scientific ideas more effectively and competently. Overall, I am thankful for the high quality Science education I receive at NUS and coming to the Faculty of Science is one of the best decisions that I have made in life so far.

The faculty also offers a professionally-accredited programme, B.Sc. (Honours) degree in Pharmacy.

In order to graduate from any of the degree programmes, students will have to read and pass at least one major. Second majors and minors are optional.

* There may be a slight revision in the naming of the Applied Science degree programme from AY2013/2014. Once confirmed, announcements will be made in due course.
DEPARTMENTS AND MAJOR COURSES

DEPARTMENT OF BIOLOGICAL SCIENCES
The Life Sciences Major is jointly taught by professors from nine departments across the Faculty of Science (FoS) and Yong Loo Lin School of Medicine (YLLSoM). Students will be taught the foundation courses in biological sciences, in the first two years of their studies. They may then choose to specialise in Biomedical Science (BMS), Molecular and Cell Biology (MCB), or Environmental Biology (EVB) as they advance into the third and fourth year of the course. They will also get to immerse in research projects and acquire the latest laboratory and research techniques.

DEPARTMENT OF CHEMISTRY
The Chemistry Major is set to establish the foundation of the principles of Chemistry which is essential in its students’ career in related industry, research and development work, as well as in civil service and the education sector. The curriculum of the first two years is designed to cement a strong foundation on traditional areas of Chemistry in its students. This will enable them to proceed into the third and fourth year of studies confidently. They can then choose one of these areas to specialise in: Medicinal Chemistry, Materials Chemistry, Analytics and Forensics, or Energy and Environmental Chemistry. Besides classroom instructions and laboratory work, students in their final year of studies is required to perform an independent research project.

DEPARTMENT OF MATHEMATICS
The Mathematics Major offers modules in contemporary mathematics which include Algebra, Analysis, Geometry, Topology, Logic, Number Theory and Combinatorics. Students of the Applied Mathematics Major will focus on algorithms, problem-solving techniques and applications in areas of human concern, and covers key topics such as Scientific Computing, Optimisation and Operations Research, and Financial Mathematics. Job prospects for this major include mathematical science research, education, financial, information and operations management, and in the government sector.

DEPARTMENT OF PHYSICS
The Physics Major exposes its students to challenging subjects such as Electromagnetism, Quantum Mechanics, Atomic and Nuclear Physics, and Solid State Physics. Honours year students can work towards a general degree or choose to specialise in either Astrophysics or Physics in Technology. The first specialisation focuses on subjects such as Nuclear Astrophysics, Relativity, and Cosmology, while the second will offer trainings to bridge the gap between academic science and engineering. The career paths, upon graduation, include engineering and microelectronics, research and development in physical sciences, government scientific services, and information technology.

DEPARTMENT OF STATISTICS AND APPLIED PROBABILITY
The Statistics Major covers mathematical principles from collection and analysis of data to its presentation. This programme prepares students for careers in teaching, business, and in the government sector. Honours year students may choose to work towards a general degree. Should the student wish to study a more specific track, he can choose to specialise in either Biostatistics or Finance & Business Statistics. The former will enable students to apply statistics in the pharmaceutical industries and medical research organisations, and the latter prepares them for quantitative work in business and finance companies.
MAJORS AND DEGREE PROGRAMMES IN MULTI-DISCIPLINARY SUBJECTS

With the convergence of different sectors getting more prevalent against the volatile economy, it becomes apparent that students have to be conversant in two or more disciplines. The Faculty of Science (FoS), therefore, collaborates with other faculties and notable global universities to meet the demand and to offer students alternative avenues to a rewarding career.

COMPUTATIONAL BIOLOGY
A partnership with the School of Computing (SoC) this programme is developed in response to the growing demand in scientific research with the potential to create an impact on the area of life sciences. Students will learn to be conversant in Biochemistry, Biology/Genetics, and Wet-lab know-how. They will also acquire skills in Algorithm Design, and Mathematical and Statistical Analysis.

FOOD SCIENCE AND TECHNOLOGY
This Major is a boutique programme offered by the Department of Chemistry with the participation of the Yong Loo Lin School of Medicine and NUS Business School. The unique part of this programme is that students will get to pick up in-depth knowledge of the nature of foods and their chemical, physical and microbiological changes during processing, storage and consumption; preparing its students for research, and establish careers in the food and allied industries.

QUANTITATIVE FINANCE
This much sought after Major offered by the Department of Mathematics is open to second year students. It amalgamates various relevant courses in the FoS, SoC and NUS Business School. This will lead its students to the application of mathematical methodologies and computational techniques in the banking and finance sector.

CHEMICAL SCIENCES PROGRAMME
Offered by the FoS and the Faculty of Engineering, this course builds a firm foundation in Medical Chemistry, Life Sciences and Chemical Engineering. It also paves the way for students to engage in graduate level studies and research work in the aforementioned fields. Through this programme, students will graduate with a major in Chemistry and a minor in Life Sciences.

PHYSICS AND LIFE SCIENCES PROGRAMME
For this course, students will register as Physics Major and read a curriculum that focuses on Biophysics, Life Sciences, and Bioengineering. This is to prepare its students in handling challenges in research areas such as Computational Biophysics, Molecular and Structural Biophysics, Medical Physics, and Bio and Diagnostic Imaging at graduate level.

NEW INTERDISCIPLINARY DEGREE PROGRAMME
ENVIRONMENTAL STUDIES
This is a new interdisciplinary, four-year, direct honours programme jointly offered by the Faculty of Science (FoS) and the Faculty of Arts and Social Sciences (FASS). It is developed for top students who are passionate about the environment.

It adopts a broad-based and interdisciplinary approach in addressing pressing issues such as climate change, land-use, water usage, alternative energy and the building of livable high-density cities. It also gives the students a broader and clearer idea of the complex, modern environmental issues. Uniquely, this programme harnesses the synergies of the various departments that include Faculty of Engineering, Faculty of Law, School of Design and Environment, NUS Business School, Yong Loo Lin School of Medicine, Saw Swee Hock School of Public Health, and Lee Kuan Yew School of Public Policy.

The first two years of the programme require its students to study Biology, Chemistry, Mathematics,
Statistics, Geography, Building, Public Health, Law, Management, and Policy, before specialising in one of the two areas of Environmental Studies: Environmental Biology with the FoS and Environmental Geography with FASS for the next two years to complete the programme. Highlights of this programme include field classes/courses that allow the students to have hands-on experience, internship opportunities at environmental agencies, environmental research establishments and a Distinguished Visitors Seminar Series where students can interact with eminent scientists and politicians.

**NEW INITIATIVES IN SCIENCE PROGRAMME**

**INTEGRATED SCIENCE CURRICULUM OF SPECIAL PROGRAMME IN SCIENCE (SPS)**

The SPS was first introduced in 1996. The aim of this programme is to nurture budding scientists through small group teaching, personalised learning programmes, and intensive staff-student interaction. This approach has since enhanced learning experience and improved the appreciation of science in the students. The programme has been revised with the inclusion of the Integrated Science Curriculum (ISC) in 2011, which comprises four specially designed thematic modules that integrates Biology, Chemistry, Mathematics and Physics, and two research-oriented modules. The ISC is intended to prepare students for modern, multidisciplinary scientific challenges at a professional level.

**GLOBAL SCIENCE PROGRAMME (GSP)**

The Global Science Programme is in itself an undergraduate cum postgraduate programme. It was developed to interest the top 5% of each freshmen cohort to study Science.

Students will first embark on the SPS and then be given the opportunity to attach to one of our overseas partner universities for a research programme. In addition, top GSP students will have
the possibility of undergoing an accelerated three-year B.Sc. (Honours) degree. This will come with an optional one-year Master of Science (M.Sc.) degree by research with NUS or a partner university.

Upon completion of these degree programmes, students can advance to do a three- to four-year joint Ph.D. programme with half their candidature spent at a partner university overseas. Under the GSP framework, FoS has developed the following concurrent degree programmes.

NEW CURRENT DEGREE PROGRAMMES WITH OVERSEAS UNIVERSITIES

CONCURRENT DEGREE PROGRAMME IN FORENSIC SCIENCE OR ANALYTICAL TOXICOLOGY (FACULTY OF SCIENCE, NUS AND SCHOOL OF BIOMEDICAL SCIENCES, KING’S COLLEGE LONDON)

Both programmes run over a five-year period leading to an NUS B.Sc. (Honours) in Chemistry or Life Sciences, and a King’s College London (KCL) M.Sc. in Forensic Science or Analytical Toxicology.

These programmes draw strengths from the KCL in forensic disciplines and are taught by forensic practitioners and field experts. Students will be exposed to onsite technology and methodologies in the area of forensic science research and development. They will also be granted placement opportunities in laboratories with the Forensic Science Service and Metropolitan Police Forensic Services.

The KCL M.Sc. in Analytical Toxicology integrates theories and practices in Analytical Science with Clinical and Forensic Toxicology. It seeks to prepare students for careers in analytical and supervisory roles within government and private institutions.

CONCURRENT DEGREE PROGRAMME IN BIOPHYSICS (FACULTY OF SCIENCE, NUS AND SCHOOL OF BIOMEDICAL SCIENCES, KING’S COLLEGE LONDON)

This four-year programme is jointly designed by the FoS and KCL. This course will eventually lead to an NUS B.Sc. (Honours) in Life Sciences and a KCL’s Master of Research (M. Res.) in Molecular Biophysics. The focus of these programmes are targeted at the increasingly important field of Biophysics – with the Randall Division of Cell & Molecular Biophysics in KCL, and the Mechanobiology Institute and Centre for Biomaging Sciences in NUS, lending their expertise to the programme. The intensive one-year M.Res. programme focuses mainly on the in-depth practical Biophysics research, complemented by courses in Molecular Biophysics and Biology.

DOUBLE DEGREE PROGRAMMES (FACULTY-DESIGNED DOUBLE DEGREE PROGRAMMES [DDP])

Physics and Materials Science & Engineering DDP
This programme, offered by the Faculty of Science (FoS) and Faculty of Engineering, is catered to those who have a keen interest in the field of Physics that underlie material properties and their technological applications.

Law and Life Sciences DDP
This programme, jointly offered with the Faculty of Law, allows students to appreciate and acquire the knowledge on the unique relationship between Law and Life Sciences.

Computer Science and Mathematics/Applied Mathematics DDP
This programme is offered by the FoS and the School of Computing that aims to produce highly valued graduates for research and development in the field of Information Technology.

SELF-DESIGNED DOUBLE DEGREE PROGRAMMES

Students can have the opportunity to design their own double degree programme with the approval of the relevant faculties. Some possible combinations are: Chemistry and Business Administration; Life Sciences and Sociology; Mathematics and Economics; Quantitative Finance and Economics.

DOUBLE AND JOINT DEGREE PROGRAMMES WITH OVERSEAS UNIVERSITIES

DOUBLE DEGREE PROGRAMME WITH FRENCH GRANDES ÉCOLES
This programme offers students who excel in Mathematical and Physical Sciences to study in one of the top six prestigious institutions in France. It also gives students the opportunity to experience the lush culture and to master the French language.

Students in this programme will graduate with a Diplôme d’Ingénieur (the equivalent of a Masters degree in France) from the French Grande Écoles, along with a M.Sc. and a B.Sc. (Honours) degree from NUS.

DOUBLE DEGREE PROGRAMME WITH WASEDA UNIVERSITY IN JAPAN
This programme is developed in partnership with the School of International Liberal Studies at Waseda University, Japan, and the Faculty of Arts and Social Sciences; offering a five-year Double Degree Programme through the University Scholars Programme (USP). This programme focuses on...
seven thematic areas in the Natural Sciences, Social Sciences, and Humanities. Upon completion, students will graduate with a B.Sc. (Honours) degree from NUS and a Bachelor’s degree from Waseda University.

JOINT DEGREE PROGRAMME WITH AUSTRALIAN NATIONAL UNIVERSITY (ANU)

This four-year Joint Degree Programme (JDP) offers USP students who major in Chemistry, Mathematics, or Physics, the alternative route to spending up to three semesters at the ANU’s Canberra campus and graduate with a B.Sc. (Honours) degree with their field of study recorded. The degree will carry the crests of both universities and certifies the completion of the JDP for Bachelor of Philosophy (Honours), ANU, and B.Sc. (Honours), NUS.

SECOND MAJORS

This is a non-honours course that offers its students the opportunity to further chisel their knowledge and capabilities beyond their major. The Faculty of Science offers six second majors to students of any faculties. Science students can also choose to read second majors offered by other faculties. Some examples of possible combinations are: Applied Mathematics and Management; Life Sciences and Business; Statistics and Economics.

MINORS

Students who are seeking for further enrichment can choose to read a minor besides their major. The Faculty of Science offers a broad range of options such as Biophysics, Nanoscience, and Financial Mathematics. Here are some highlights of our minor courses.

JOINT MINORS WITH UNIVERSITY OF TORONTO (UOFT)

This programme allows students of the Faculty of Science to take up either of these two minors: Environmental Biology and Environmental Chemistry. Students are required to complete one semester at the University of Toronto, and will be allowed to transfer their grades and credits to satisfy graduation requirements.

MINOR IN FORENSIC SCIENCE

This programme is offered by the Chemistry and Biological Sciences departments. It allows students to learn the concepts in and principles of applying scientific techniques to criminal and civil investigations and litigations. Students will also get to explore subjects such as forensic identification, DNA profiling, criminalistics, narcotics, toxicology, criminal laws, evidence and procedures to enhance the entire learning process in Crime Scene Investigation. This is provided through the collaboration with Health Sciences Authority and other law enforcement units.

MINOR IN PHARMACEUTICAL SCIENCES

This programme which is offered by the Department of Pharmacy is targeted at students who study Science or Engineering based disciplines. This minor serves as a foundation course for introducing technical knowledge and skill sets that are relevant to pharmaceutical, biomedical, and health services industries. It will also help to create awareness among students and enable them to develop a deeper understanding of the intricate relation between their major and the minor of choice. Students of Law, Economics, Computing, Marketing and Business may apply should they meet the minimum requirements.

STUDY ABROAD PROGRAMMES

To complement the education offered by the Faculty of Science (FoS), the Faculty has developed a series of programmes to cultivate students to be enterprising with a global perspective. The Faculty has partnered with over 180 universities in 27 countries to offer a learning process that is academically and intellectually stimulating.
STUDENT EXCHANGE PROGRAMME (SEP)
This university-wide programme allows its students to spend up to two semesters at a partner university, while earning credits towards their NUS degree. Some of the partner universities are University of British Columbia, University of Bath, City University of Hong Kong and Fudan University. Below is an SEP that has been introduced recently.

NUS Pre-Medical Programme and Student Exchange Programme to Duke University

The NUS Pre-Medical Programme (PMP) was first introduced in 2011. It aims to provide a selected group of academically outstanding and motivated students from all disciplines an unparalleled experience to prepare them for a postgraduate medical programme.

In the PMP programme, students will have the opportunity to interact with faculty members and postdoctoral students of Duke-NUS Graduate Medical School through a Freshman Seminar, scientific research and other academic activities to gain a better understanding on the various aspects of Medicine, Clinical Research, and other relevant areas.

Additionally, each year, five PMP students will be hand-picked to spend a semester in Duke University in the US for Exchange Programme. These series of learning opportunities will give the students an edge over the rest to further pursue a higher degree with Duke-NUS or other graduate medical or biomedical related programmes.

SUMMER PROGRAMMES (EXCLUSIVE TO FOS STUDENTS)

For those who prefer a shorter exchange programme, the summer courses at a partner university is the perfect choice. Such programme only spans between four to seven weeks. Partner universities include University of Costa Rica, University of Toronto; University of California, Los Angeles, Tel-Aviv University, University of Dundee, and University of Medical Center Utrecht (The Netherlands).

Tropical and Conservation Biology Summer Programme with University of Costa Rica

FoS, NUS, and the University of Costa Rica (UCR) have jointly developed a new Life Sciences Major module – Field Studies in Neotropical Ecosystems – taught by faculty members from the Department of Biological Sciences, NUS, and School of Biology, UCR.

This module is a part of an intensive six-week summer programme conducted entirely in Costa Rica. Life Sciences students in this programme will visit various field sites in the paleo- and neo-tropics, such as Monteverde Cloud Forest Reserve, Cerro de la Muerte páramo forest and Tirimbina Rainforest Reserve. On top of that, they will also get the chance to formulate and test hypothesis in the field, and undergo cultural and linguistic immersion programmes.

Food Commodities Summer School at the School of Food Technology, University of Costa Rica

With the success of the Tropical and Conservation Biology Summer Programme, the FoS collaborated with UCR in another summer programme: Food Commodities Summer Programme. Students from the Food Science and Technology Programme and those who are interested in the subject can participate in this six-week summer programme. Students will be introduced to the production and processing of food commodities and get to visit various farms and a food processing pilot plant.

OdySEA – A Joint Summer School by FASS and FoS

With the allusion to the Greek epic, The Odyssey, and inspired by the oral tale, this joint summer programme sets sail its students with a spirit of adventure and an interest in Southeast Asia to various parts of the region. This does not only serve as an academic adventure, it also is a self-actualisation journey. Students will be challenged on their self-reflexivity, and primed to discover a new sense of self in relation to the region upon returning to Singapore. Highlights of this programme include a one-week field trip to one or two Southeast Asian countries, and reading two modules that cover issues pertinent to Southeast Asia.

THE HARVEY MUDD-NUS GLOBAL CLINIC PROGRAMME

Under the programme, NUS students will team up with their counterparts from Harvey Mudd College (HMC) in sponsored, research-based projects. This includes a six-week, intensive summer programme (three weeks in HMC and three weeks in NUS), that prepares its students for technicalities that are required in the projects followed by performing further research and online work for a year.

THE GLOBAL HONOURS COLLEGE PROGRAMME

Organised by the Waseda University, Japan, and formed by nine Asian and American universities, a selected three to four students from each university will participate in a seminar. This seminar will be completed with a two-month online course followed by a three-week intensive on-site research at Waseda University. The themes covered are pertinent to global issues and emerging ones.
SUMMER RESEARCH PROGRAMME
The FoS places much emphasis on research in the undergraduate studies. Hence, students who are passionate about doing research work and scientific writing are encouraged to apply for overseas research opportunities lasting six to 12 weeks at partner universities such as Massachusetts Institute of Technology, California Institute of Technology, University of Cambridge, Imperial College London, and Universidad Autonoma de Madrid, just to name a few.

A THRIVING RESEARCH ENVIRONMENT
Our Faculty of Science (FoS) academic staff are actively involved in research with many recognised internationally for their research contributions and achievements. Some 1,000 research articles are published by them annually with more than half in top-notch and premier journals.

In 2012, Prof Thirumalai Venkatesan and Prof Michael Sheetz were awarded the George E. Pake Prize and Lasker Award respectively in honour of their research contributions.

The FoS has state-of-the-art laboratories with a wide range of instrumentation and analytical facilities. The faculty hosts two of the five prestigious Research Centres of Excellence in Singapore – the Centre for Quantum Technologies and the Mechanobiology Institute. They are world-class research centres conducting high-value research, with each receiving $150 million in competitive research funding. Academic staff from the Physics and Biological Sciences departments play key roles in the research activities of these centres.

Our research groups have strong links with local organisations as well as other renowned universities in the world, like Stanford University, King’s College London, Imperial College London, Technical University of Munich, and Peking University, to leverage on each other’s expertise.

Given the strong research environment, the FoS will no doubt be able to entice more students who aspire to pursue an advanced higher education for a future research career.

CAREER PROSPECTS FOR SCIENCE GRADUATES
The robust curriculum provides rigorous training for NUS Science graduates in both quantitative and qualitative fields, giving them the competitive edge for a successful career in this age of globalisation. Besides attaining domain knowledge in their areas of disciplines, they will acquire skills in data analysis, presentation, documentation and report writing, as well as the ability of using the latest scientific equipment and other technologies.

Science graduates are highly sought-after in both the public and private sectors. Well-equipped with knowledge-based and transferable skill sets, they are employable in professional or administrative roles in different areas like chemical, manufacturing, engineering, pharmaceutical, healthcare-related industries, educational establishments; or in companies dealing with policy analysis, marketing, publishing, management consultancy, security, operations research, mass media productions, public relations, telecommunications and information technology, finance, business, insurance, and transportation.

In addition, graduates may pursue graduate programmes leading to higher degrees such as Ph.D., to become technopreneurs or embark on a career in research and development.

DISTINGUISHED ALUMNI
The Faculty’s alumni include thought-leaders, entrepreneurs and eminent service champions in various communities, playing a pivotal role in catalysing positive changes across industries like chemical, pharmaceutical and healthcare-related industries, as well as finance, business and government sectors. Professionals like Ms Olivia Lum (CEO, Hyflux Ltd) and Mr Foo Hee Jug (Chief Executive Officer, Jurong Health Services Pte Ltd) are well-known for inspiring excellence in their respective fields and their valuable contributions to the communities.

Harvey Mudd-NUS Global Clinic Programme 2010: Science students with their team mates from Harvey Mudd College, together with faculty staff in NUS for 3 weeks as part of the programme.
PROFESSIONAL PROGRAMME IN PHARMACY

DISTINCTIVENESS OF THE DEPARTMENT OF PHARMACY AND ITS PROGRAMMES

The NUS Pharmacy Department has been an integral part of the worldwide healthcare education community since 1905. It remains as the key provider of Pharmacy education at university level in Singapore.

In a recent survey, conducted by a higher education and career research company, Quacquarelli Symonds (QS), NUS notched at number three by subject (under Pharmacy and Pharmacology) in the 2012 World University Rankings®. The ranking was based on academic reputation, employer reputation, and citations per research publication. Such ranking provides a guide on the best universities in the world to study Pharmacy or Pharmacology.

At NUS, Pharmacy students undertake a multidisciplinary curriculum where they will learn the ropes in acquiring, integrating and applying their knowledge about therapeutics to manage diseases and to provide quality care for patients to preserve or restore their health.

Pharmacy students have opportunities to take part in basic, clinical and applied research projects, focusing on improving the lives of individuals and communities. Research opportunities for undergraduates include new approaches to drug discovery, development of novel pharmaceutical materials and therapeutic systems, comparative effectiveness and risk assessment of competing treatment options or patient-centred health outcomes research.

They also join students from other schools and departments such as Medicine, Dentistry, Nursing, and Social Work to participate in the Inter-professional Education programme on the Kent Ridge campus. This programme is developed to train students to become collaborative, practice-ready health professionals and effective patient advocates.

There are also abundant options for postgraduate education. Graduates with a basic degree in Pharmacy, Science, Medicine or Engineering, can apply to be enrolled in Pharmacy postgraduate Ph.D./M.Sc. research programme or the part-time Master of Science (Pharmaceutical Science and Technology) coursework programme. Pharmacists may also further their education in clinical pharmacy by enrolling in the Doctor of Pharmacy or Clinical Pharmacy Residency programmes.

DEGREE PROGRAMME LEADING TO BACHELOR OF SCIENCE (PHARMACY) (HONOURS)

This is a four-year degree programme developed for those who are interested in joining the health profession that is knowledgeable in drug discovery, drug manufacturing and drug use.

The B.Sc. (Pharmacy) degree with honours classification will be awarded to those who excel throughout the course. Those who do not qualify for an honours degree will be awarded a B.Sc. (Pharmacy) degree.

Besides attending classes, Pharmacy students are exposed to on-site experiential learning opportunities at hospitals, step-down care facilities, community pharmacies, pharmaceutical industry and health regulatory authority. Such preceptorship programme offers students an environment to practise what they have learnt in the classroom.
CAREER PROSPECTS FOR PHARMACY GRADUATES

The broad-based Pharmacy education at NUS equips its students with knowledge and soft skills for a lifetime of multiple career choices. Pharmacy graduates may proceed to complete the pre-registration training programme before becoming a registered pharmacist with the Singapore Pharmacy Council. They may also join the workforce at different entry points, including healthcare services, clinical, and translational research as well as the pharmaceutical industries.

The professionally-accredited B.Sc. (Honours) degree in Pharmacy offers much flexibility in career development for its graduates. Pharmacy graduates can opt for career changes between the pharmaceutical- and healthcare-related industries or sectors, so as to maintain global employability.

Pharmacists are medication experts who are valuable members of a healthcare team which provides collaborative care for patients. As a registered pharmacist, he/she will manage medication use for patients in hospitals, community pharmacies or polyclinics, thus contributing towards better outcomes in public and preventive medicine. In the hospitals, some pharmacists may work towards becoming specialist pharmacists who provide care for specific groups of patients, namely cancer patients, patients in intensive care, as well as diabetic, geriatric, and paediatric patients.

Pharmacy graduates who wish to enter the pharmaceutical industry immediately upon graduation may do so without having to complete the pre-registration training. The strong foundation in Pharmaceutical Sciences offers a wide range of opportunities in the dynamic biomedical sciences industry, such as pharmaceutical manufacturing, health product regulation, health product research and development, clinical research, as well as sales and marketing of pharmaceuticals in Singapore and overseas.
Pharmacy – The Gateway to a Vibrant Student Life and Future-ready Careers in Healthcare Services, Medical Technology, Pharmaceutical & Biomedical Industries

A professional programme, the Pharmacy curriculum not only equips me with specific knowledge, but also allows me to develop my communication skills and attitudes, all of which are essential once I enter the workforce. Lessons are not always held in lecture theatres and classrooms, as students are required to complete attachments at hospitals, polyclinics, and community pharmacies as well.

While the course is highly specialised, a B.Sc. (Pharmacy) degree holder has many career options to choose from upon graduation, ranging from patient-care pharmacy practice, regulatory affairs to pharmaceutical innovation and manufacturing.

Besides academic pursuit, the close-knit community within the Department of Pharmacy, and the extra-curricular opportunities at NUS, have allowed me to explore many interests. My participation in Rag as a freshman in Pharmacy brought me to dancing, which led me to perform in Chingay and Eusoff Hall Annual Dance Production. I also joined the NUS varsity table tennis team and participated in sports at the Eusoff Hall.

After my third year, I was enrolled in the year-long NUS Overseas College (NOC) Programme in Philadelphia, where I was attached to a pharmaceutical start-up company, learning the basics of entrepreneurship at the University of Pennsylvania and participating in a European business case competition.

In my final year, I was very privileged to be given a chance to work on a research project at the Institute of Chemical and Engineering Sciences of the Agency for Science, Technology and Research (A*STAR), Singapore.

Over the years, my interest grew towards developing a career in the pharmaceutical industry. However, I do have classmates and seniors who have gone through the same programme and had decided to embark on career paths leading to becoming a pharmaceutical research scientist or a specialist clinical pharmacist. For example, Mr Jasmeet Singh (Class of 2012) is now enrolled in the Ph.D. programme in NUS Pharmacy sponsored by the NUS-Imperial College of London Research Scholarship (without bond); while Mr Lew Kaung Yuan (Class of 2006), a clinical pharmacist of the National Cancer Centre, Singapore, is completing the two-year, full-time NUS Pharm.D. programme under a scheme that provides his full salary and a sponsorship for the study.

As I reflect on my academic journey at NUS, I am most grateful for having plentiful opportunities to expand my horizons from the participation of life-long learning activities, the mentorship of dedicated Pharmacy professors, and the warmth of the NUS “Pharmily”, including our successful alumni! All in all, I am glad to have joined this “Pharmily”.

The graduating Pharmacy classes from 2007 to 2012 have expressed their heartfelt appreciation of having received a wonderful education, so much so that they have generously given back to NUS even before receiving their first pay checks. The 100% class participation rate for the fifth consecutive year has earned NUS Pharmacy the Outstanding Achievement Award for Departments at the NUS Annual Giving Commencement Class Awards 2012. I welcome you to join this charming Pharmily and write your own unique chapter!
## UNDERGRADUATE PROGRAMMES AND COURSES

<table>
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<tr>
<th>DEGREE COURSE</th>
<th>BACHELOR OF SCIENCE (HONOURS)1 (4-YEAR DURATION)</th>
<th>BACHELOR OF APPLIED SCIENCE* (HONOURS)1 (4-YEAR DURATION)</th>
<th>BACHELOR OF SCIENCE (PHARMACY) (HONOURS)1 (4-YEAR DURATION)</th>
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<td>MAJORS</td>
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<td>SECOND MAJORS2 (OPTIONAL)</td>
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<td>MINORS2 (OPTIONAL)</td>
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<td>• Engineering Materials</td>
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<td>• Pharmaceutical Sciences</td>
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<td>BACHELOR OF ENVIRONMENTAL STUDIES (BES)</td>
<td>• Four-year direct Honours programme launched in 2011</td>
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<td>• Multidisciplinary programme jointly hosted by the faculties of Science, Arts and Social Sciences with participation from seven other Faculties and Schools</td>
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<td>• BES with specialisation in Environmental Biology is offered by Faculty of Science</td>
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<td>CONCURRENT DEGREES (NEW) (APPLICATION OPENS AFTER 1ST SEMESTER AND IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>• Four-year programme in Biophysics between Faculty of Science (FoS), NUS, and School of Biomedical Sciences, King’s College London (KCL). Course of study leads to a B.Sc.(Hons.) in Life Sciences, NUS and a Master of Research in Molecular Biophysics, KCL</td>
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<td>• Five-year programme in Forensic Science or Analytical Toxicology between FoS and School of Biomedical Sciences, KCL. Course of study leads to a B.Sc. (Hons.) in Chemistry or Life Sciences, NUS and a Master of Science in Forensic Science or Analytical Toxicology, KCL</td>
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<td>DOUBLE DEGREES &amp; JOINT DEGREE (OPTIONAL) (5-YEAR DURATION)</td>
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<td>• Law and Life Sciences</td>
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<td>• NUS-Waseda (for USP students)</td>
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<td>• NUS-French Grandes Écoles</td>
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<td>• NUS-ANU Joint Degree Programme (for USP students, four-year duration)</td>
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<tr>
<td>SELF-DESIGNED</td>
<td>• Double degree combinations within and outside FoS put together by students</td>
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</tbody>
</table>

1 There may be a slight revision in the naming of the Applied Science degree programme from AY2013/2014. Once confirmed, announcements will be made in due course.

2 Students can choose to exit from the programme and graduate with a Bachelor of Science degree within three years, except for Computational Biology and Pharmacy, which are strictly four-year programme.

2 Students can also choose to read Second Majors or Minors offered by other faculties in NUS that are open to Science students.
# Admission Criteria

<table>
<thead>
<tr>
<th>COURSE</th>
<th>SUBJECT PREREQUISITES FOR STUDENTS OFFERING</th>
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<tbody>
<tr>
<td><strong>CHEMISTRY</strong></td>
<td>MAJORS</td>
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<tr>
<td><strong>COMPUTATIONAL BIOLOGY</strong></td>
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<tr>
<td><strong>FOOD SCIENCE AND TECHNOLOGY</strong></td>
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<tr>
<td><strong>LIFE SCIENCES</strong></td>
<td>MAJORS</td>
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<tr>
<td></td>
<td>(SPECIALISATION IN BIOMEDICAL SCIENCE) (HONS)</td>
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<tr>
<td></td>
<td>(SPECIALISATION IN ENVIRONMENTAL BIOLOGY) (HONS)</td>
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<tr>
<td></td>
<td>(SPECIALISATION IN MOLECULAR AND CELL BIOLOGY) (HONS)</td>
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<tr>
<td><strong>MATHEMATICS</strong></td>
<td>MAJORS</td>
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<tr>
<td></td>
<td>APPLIED MATHEMATICS</td>
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<tr>
<td></td>
<td>QUANTITATIVE FINANCE*</td>
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<td></td>
<td>(STREAMING OF THIS TRACK WILL ONLY BE CARRIED OUT AFTER YEAR 1)</td>
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<tr>
<td><strong>PHARMACY</strong></td>
<td>MAJORS</td>
</tr>
<tr>
<td></td>
<td>(PROFESSIONAL PROGRAMME, WHERE APPLICATION IS BY DIRECT ADMISSION ONLY)</td>
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<tr>
<td><strong>PHYSICS</strong></td>
<td>MAJORS</td>
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<tr>
<td></td>
<td>(SPECIALISATION IN ASTROPHTYSICS) (HONS)</td>
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<tr>
<td></td>
<td>(SPECIALISATION IN PHYSICS IN TECHNOLOGY) (HONS)</td>
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<tr>
<td><strong>STATISTICS</strong></td>
<td>MAJORS</td>
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<tr>
<td></td>
<td>STATISTICS (SPECIALISATION IN BIONSTATISTICS) (HONS)</td>
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<tr>
<td></td>
<td>STATISTICS (SPECIALISATION IN FINANCE AND BUSINESS STATISTICS) (HONS)</td>
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<tr>
<td><strong>SECOND MAJORS (OPTIONAL)</strong></td>
<td>MAJORS</td>
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<tr>
<td></td>
<td>CHEMISTRY</td>
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<tr>
<td></td>
<td>LIFE SCIENCES</td>
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<td></td>
<td>MATHEMATICS</td>
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<tr>
<td></td>
<td>STATISTICS</td>
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</tbody>
</table>

* Admission to the Faculty of Science does not automatically qualify a student to choose these majors as there are additional departmental selection criteria applied due to limited places.
<table>
<thead>
<tr>
<th>MINORS (OPTIONAL)</th>
<th>H2 CURRICULUM</th>
<th>IB DIPLOMA</th>
<th>NUS HIGH SCHOOL DIPLOMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANALYTICAL CHEMISTRY</td>
<td>Good H2 pass or equivalent in Chemistry</td>
<td>Good pass in HL Chemistry</td>
<td>Good pass in Chemistry</td>
</tr>
<tr>
<td>BIOPHYSICS</td>
<td>Good H2 passes or equivalent in Physics, Chemistry and/or Biology</td>
<td>Good passes in HL Physics, HL Chemistry and/or HL Biology</td>
<td>Good passes in Physics, Chemistry and/or Biology</td>
</tr>
<tr>
<td>FORENSIC SCIENCE (APPLICATION IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>Good H2 passes or equivalent in Chemistry and Biology</td>
<td>Good passes in HL Chemistry and HL Biology</td>
<td>Good passes in Chemistry and Biology</td>
</tr>
<tr>
<td>LIFE SCIENCES (APPLICATION IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>Good H2 pass or equivalent in Biology</td>
<td>Good pass in HL Biology</td>
<td>Good pass in Biology</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>Good H2 pass or equivalent in Mathematics</td>
<td>Good pass in HL Mathematics</td>
<td>Good pass in Mathematics</td>
</tr>
<tr>
<td>FINANCIAL MATHEMATICS STATISTICS</td>
<td>Good H2 pass or equivalent in Mathematics</td>
<td>Good pass in HL Mathematics</td>
<td>Good pass in Mathematics</td>
</tr>
<tr>
<td>NANOSCIENCE</td>
<td>Good H2 pass or equivalent in either Chemistry or Physics</td>
<td>Good pass in either HL Chemistry or HL Physics</td>
<td>Good pass in either Chemistry or Physics</td>
</tr>
<tr>
<td>PHARMACEUTICAL SCIENCES (APPLICATION IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>Good H2 pass or equivalent in either Chemistry or Biology</td>
<td>Good pass in either HL Chemistry or HL Biology</td>
<td>Good pass in either Chemistry or Biology</td>
</tr>
<tr>
<td>PHYSICS</td>
<td>Good H2 pass or equivalent in Physics</td>
<td>Good pass in HL Physics</td>
<td>Good pass in Physics</td>
</tr>
<tr>
<td>OPTICAL AND SEMICONDUCTOR TECHNOLOGY</td>
<td>Good H2 pass or equivalent in Physics</td>
<td>Good pass in HL Physics</td>
<td>Good pass in Physics</td>
</tr>
<tr>
<td>JOINT MINORS (OPTIONAL)</td>
<td>H2 CURRICULUM</td>
<td>IB DIPLOMA</td>
<td>NUS HIGH SCHOOL DIPLOMA</td>
</tr>
<tr>
<td>ENGINEERING MATERIALS (APPLICATION IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>Good H2 pass or equivalent in either Chemistry or Physics</td>
<td>Good pass in either HL Chemistry or HL Physics</td>
<td>Good pass in either Chemistry or Physics</td>
</tr>
<tr>
<td>ENVIRONMENTAL BIOLOGY (APPLICATION IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>Good H2 passes or equivalent in Biology and Mathematics</td>
<td>Good passes in HL Biology and HL Mathematics</td>
<td>Good passes in Biology and Mathematics</td>
</tr>
<tr>
<td>ENVIRONMENTAL CHEMISTRY (APPLICATION IS SUBJECT TO DEPARTMENTAL APPROVAL)</td>
<td>Good H2 passes or equivalent in Physics and Mathematics</td>
<td>Good passes in HL Physics and HL Mathematics</td>
<td>Good passes in Physics and Mathematics</td>
</tr>
<tr>
<td>NEW INTERDISCIPLINARY DEGREE PROGRAMME</td>
<td>H2 CURRICULUM</td>
<td>IB DIPLOMA</td>
<td>NUS HIGH SCHOOL DIPLOMA</td>
</tr>
<tr>
<td>BACHELOR OF ENVIRONMENTAL STUDIES PROGRAMME (SPECIALISATION IN ENVIRONMENTAL BIOLOGY)</td>
<td>Good passes or equivalent in H1 Mathematics and either H2 Biology or H2 Chemistry</td>
<td>Good passes in SL Mathematics and either HL Biology or HL Chemistry</td>
<td>Good passes in Mathematics and either Biology or Chemistry</td>
</tr>
</tbody>
</table>

FOR GENERAL ENQUIRIES

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F +65 6777 0607
E askscience@nus.edu.sg
W www.science.nus.edu.sg
To educate and train the future generations of Asian policymakers and leaders, with the objective of raising the standards of governance throughout the region, improving the lives of the people in the region and, in so doing, contribute to the transformation of Asia.

LEE KUAN YEW SCHOOL OF PUBLIC POLICY

NESTLED IN THE BUKIT TIMAH CAMPUS, THE LKY SCHOOL OFFERS A WORLD OF LEARNING SECOND TO NONE IN SINGAPORE
THE LEADING GLOBAL POLICY SCHOOL IN ASIA

INSPIRING LEADERS

IMPROVING LIVES

TRANSFORMING ASIA

THE SCHOOL OFFERS UNIQUE INSIGHTS INTO THE ASIAN PUBLIC POLICY EXPERIENCE AT A TIME WHEN THE WORLD HAS RECOGNISED THAT THE 21ST CENTURY WILL BE THE ASIAN CENTURY.

KISHORE MAHBUBANI
Dean, Lee Kuan Yew School of Public Policy

LEE KUAN YEW SCHOOL OF PUBLIC POLICY

The Lee Kuan Yew School of Public Policy (LKY School) is the leading global school of public policy in Asia, with a mission to educate and train future generations of policymakers and leaders in Asia. Its vision is to raise the standard of governance in the region, and in doing so, contribute to improving and transforming the lives of millions across Asia.

The LKY School has built a strong intellectual infrastructure comprising a world-class faculty, thriving research centres, a comprehensive range of Masters/Ph.D. programmes, innovative curriculum and teaching methods, and a diverse student body. It is a globally renowned institution with an extensive network of partnerships with leading universities such as Harvard Kennedy School, Columbia SIPA, London School of Economics and Political Science (LSE) and Sciences Po.

With almost 400 students from 50 countries and a wide variety of backgrounds, the LKY School classrooms offer an experience unmatched in diversity and dynamism, equipping students with academic and professional skills to lead the change.
Nowhere else can you find the diversity that LKY School has to offer. My classmates are from over 50 countries, having diverse backgrounds and cultures leading to a vibrant exchange of perspectives both inside and outside the classroom. The faculty comprising both academics and practitioners, has provided me with valuable insights and unparalleled opportunities to learn. The LKY School is quite possibly one of the most dynamic learning environments where distinguished leaders from all over the world, converge regularly and engage us in discussions.

TAN CHEW LING ELIZABETH
MPP, Lee Kuan Yew School of Public Policy

CONCURRENT DEGREE PROGRAMMES

BACHELOR IN BUSINESS ADMINISTRATION, BBA (HONS) & MASTER IN PUBLIC POLICY (MPP)
This concurrent degree programme aims to prepare the next generation of policy leaders to apply business principles to social and environmental issues, corporate social responsibility, and business ethics concerns. Offered concurrently by the NUS School of Business, the University Scholars Programme (USP), and the LKY School, it provides versatile leaders with skills to tackle the biggest of issues.

With the convergence in practices of public sector and private sector companies, and in the management of private enterprises and state or public enterprises, public policy and business administration are closely intertwined and correlated. Designed for would-be professionals in the public, private and non-profit sectors who have an interest in the global dimensions of public affairs and national policies, BBA's managerial leadership training, coupled with the multidisciplinary intellectual nurturing of USP, culminates with MPP's unique exposure to global policy shaping and administration.

BACHELOR OF LAWS (LLB) & MASTER IN PUBLIC POLICY (MPP)
The concurrent degree programme in Law and Public Policy combines the strengths of the LLB Programme at the Faculty of Law and the MPP Programme at LKY School. It offers law students, particularly those interested in a career in public service, a unique opportunity to understand the legal, policy, and practical dimensions of governance in relation to national, regional, and international policy-making. The Faculty of Law provides rigorous training in public law, international law, and governance, which is complemented by the understanding of complex issues that challenge policymakers daily, and a strong curriculum anchored firmly within an Asian context offered by the LKY School.

Professor Huang Jing, Director of Centre on Asia and Globalisation
GLOBAL CLASSROOM WITH OVER

400 STUDENTS ACROSS

50 COUNTRIES OFFERS AN UNPARALLELED LEARNING EXPERIENCE

MASTERS DEGREE PROGRAMMES

MASTER IN PUBLIC POLICY (MPP)

This two-year MPP programme is designed for young professionals with up to five years of work experience, who seek rigorous education and training in public affairs. The programme provides a strong foundation in policy analysis, programme evaluation, and management in the public, private and not-for-profit sectors.

Graduates will acquire knowledge and skills that enable them to work in many settings, from national, state, and local government, to think tanks, consulting firms, multilateral institutions, and community-action groups. Additionally, select MPP students can qualify to benefit from a number of double degree and exchange programmes with internationally renowned institutions such as Columbia SIPA, LSE, Sciences Po, University of Tokyo and many more.

MASTER IN PUBLIC ADMINISTRATION (MPA)

This MPA Programme is a one-year programme providing an intensive, interdisciplinary course of study specially tailored for experienced professionals with more than five years of work experience.

The focus of the curriculum is to enhance their effectiveness to work on increasingly complex issues that shape national, regional, and global policies and projects. Taught by experienced faculty using a problem-based learning approach and real-world case studies, MPA graduates will learn how to apply techniques of policy analysis and programme evaluation to resolve multi-dimensional challenges, and at the same time acquire knowledge and skills to enhance their leadership and managerial capabilities for work.

MASTER IN PUBLIC MANAGEMENT (MPM)

This highly distinguished one-year Lee Kuan Yew (LKY) Fellows MPM Programme is a programme designed for senior government officials and professionals in Asia with more than eight years of work experience and a proven track record of leadership, high-level decision making, and a strong commitment to public service.

Every year, the MPM LKY Fellows would come together in the presence of renowned international experts to debate, analyse, and share ideas on how to deal with the challenges in public policy and their management through effective leadership and good governance. The MPM programme provides

Dr Kenneth Paul Tan,
Associate Professor & Vice Dean (Academic Affairs)
the fellows a unique opportunity to take a semester at the Harvard Kennedy School or Columbia SIPA, as well as a five-week attachment to a government ministry or statutory board, related to their field of expertise.

DOUBLE DEGREE PROGRAMMES

MASTER OF BUSINESS ADMINISTRATION (MBA) & MASTER IN PUBLIC POLICY (MPP) / MASTER IN PUBLIC ADMINISTRATION (MPA)

The MBA and MPP Double Degree programme enables early career individuals to gain knowledge and expertise in both the government and business sectors. Students will acquire competencies relevant to industry, government, and public sector organisations. The MBA-MPP double degree graduate is able to appreciate and manage the close relationship of business organisations and the public sector. It is suitable for those with a minimum of two years relevant work experience.

The MBA and MPA Double Degree programme with the LKY School provides an intensive, interdisciplinary course of study for experienced professionals who wish to acquire new knowledge and skills to enhance their leadership and managerial capabilities. It is designed for candidates with a minimum of five years relevant work experience.

MASTER OF LAWS (LLM) & MASTER IN PUBLIC POLICY (MPP) / MASTER IN PUBLIC ADMINISTRATION (MPA)

The Master of Laws (LLM) and Master in Public Policy (MPP) double degree programme provides rigorous training for early career individuals who aim to increase their competence in law and, at the same time, understand the challenges and opportunities of adding value to public sector organisations. LLM-MPP double degree graduates understand the law and how it applies to the government and the public sectors. They are also able to appreciate the legal framework in which public sector organisations operate and the challenges they face.

The Master of Laws (LLM) and Master in Public Administration (MPA) double degree programme aims to provide students of Law and Public Administration a broad exposure to issues and challenges that lawyers and leaders of public institutions face.

DOCTOR OF PHILOSOPHY

The Ph.D. programme at LKY School seeks to cultivate a strong research culture, and extend the boundaries of knowledge in public policy research while providing an important resource to strengthen staff research and teaching. It is designed to strengthen the capability and effectiveness of candidates in researching complex multidimensional policy issues, and to further the state of knowledge about a broad range of policy problems.

It prepares graduates in their chosen research area and exposes them to alternative disciplinary approaches and applied policy work.

COMPETITIVE ADVANTAGE

With the strong re-emergence and renaissance of Asian societies in the 21st century, the LKY School offers a unique value proposition by bridging the gap between prevailing theories in the West and best practices emerging in the East.

The problem-oriented and interdisciplinary curriculum is complemented by case-studies and team-teaching approaches, providing students with a highly interactive classroom experience with diverse faculty drawn from around the world. The LKY School offers a truly global classroom drawing on diverse experiences and in providing an unparalleled opportunity to network with future Asian leaders.

The LKY School has extensive partnerships with other established public policy institutions, including the Harvard Kennedy School, and was the first school in Asia to be admitted into the prestigious Global Public Policy Network (GPPN) –
a unique network founded by Columbia SIPA, LSE and Sciences Po, and recently expanded to include Hertie School of Governance, The University of Tokyo, and FGV – EAESP. These partnerships offer potential students opportunities to earn double degrees and participate in exchanges with our partner universities.

Given the strong reputation and mission of the LKY School, it has emerged as the third best-endowed school of public policy in the world, enabling it to be possibly amongst the most generous schools of public policy schools globally to provide merit scholarships to nearly 50 percent of its students.

For aspiring leaders who are keen to study, work and live in Asia, there are few institutions that can match the LKY School’s experience and credentials. Our alumni are ambassadors, senators, editors, social entrepreneurs, government officials, and private sector leaders leading the change and serving the mission of the School in Asia and beyond.

FOR GENERAL ENQUIRIES
LEE KUAN YEW SCHOOL OF PUBLIC POLICY
Lee Kuan Yew School of Public Policy
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F +65 6778 1020
E lkyspp@nus.edu.sg
W www.lkyspp.nus.edu.sg
The USP offers a complete education that is distinctive in its curriculum, community, and opportunities.

Its curriculum encourages curiosity, creativity, articulacy, and critical rigour.

UNIVERSITY SCHOLARS PROGRAMME

THE USP PROVIDES DIVERSE OPPORTUNITIES THAT TAKE LEARNING FAR BEYOND THE CLASSROOM.
THE CLOSE-KNIT USP
COMMUNITY IS BUILT
UPON STRONG FRIENDSHIP,
MENTORSHIP AND
SUPPORT, INTELLECTUAL
ENERGY AND VARIETY,
AND PERSONAL
DEVELOPMENT, ALL
ENHANCED BY A
RESIDENTIAL COLLEGE
COMPONENT.

CURIOSITY WANTED
THE UNIVERSITY SCHOLARS PROGRAMME

The University Scholars Programme (USP) is a
multidisciplinary, partially residential, academic
programme for NUS undergraduates. This
programme introduces an environment of enquiry,
collaboration, and creative discovery. Students will
learn to engage with ideas and situations, and to
challenge themselves intellectually, socially, and
personally. Each year, 180 applicants are accepted
into the community of the USP. The students
are also given the opportunity to explore across
disciplines, and to lead and participate in a slew
of extracurricular and overseas programmes, with
the ultimate aim of enabling the students to make
significant contributions to the society.

180
STUDENTS JOIN US
EACH YEAR
Students admitted to the USP are concurrently enrolled in one of the following seven NUS faculties or schools:
1. Faculty of Arts and Social Sciences
2. NUS Business School
3. School of Computing
4. School of Design and Environment
5. Faculty of Engineering
6. Faculty of Law
7. Faculty of Science

Students of the USP will earn 70% of their academic credits in their home faculty, and the remaining 30% in the USP. The overall workload is the same as any other undergraduates of NUS.

This programme offers its students a broad and diverse selection of modules such as Evolution, Politics of Heritage, Clothing Identities, and Cyberart. Students are given the space to create an individualised learning experience for themselves, enjoying the freedom to explore what they are passionate about in a thoughtful and collaborative manner.

Learning extends beyond the classroom through a huge selection of extracurricular and overseas opportunities. The USP challenges its students to delve deeply into their areas of interest and embrace new experiences in research, expeditions, internships, overseas academic exchanges, community involvement, and study abroad programmes. It believes that such experiences will help students to gain a global outlook, apply their interdisciplinary learning to new contexts, and develop leadership capabilities.

I found that the most enriching aspect of USP is the interaction with peers from various disciplines, both inside and outside classes. I have learnt so much just by seeing the same issue from different perspectives.

VARUN SONI
Year 2, Engineering Science

My experience with USP has, so far, been a meaningful and exciting one. From lessons and seminars to outdoor programmes and residential experiences, there is never a lack of opportunities for me to learn and discover more. In class, we explore thought-provoking issues and learn from the academics’ point of view. Back in Cinnamon College, we can share all night with each other on what we have just learnt and challenge the boundaries of our initial beliefs. The international programmes in USP had brought to life the things I learnt and enabled me to experience the state of affairs in the real world, outside of my comfort zone in Singapore. I will never have to worry about growing stale on my education, as far as USP is concerned.

INGGRID TEO HSIENT GUI
Year 2, Economics
The very value and benefits of informal and self-initiated learning are far and beyond, and are enhanced by a residential component after the USP moved into its residential college at the NUS University Town or UTown. At the USP residential college, or USP RC, students are immersed in an integrated learning and living experience, where they are offered great opportunities to challenge themselves intellectually and personally.

Students are required to attend USP classes within the USP RC, and partake in a myriad of residential activities. By having students from different faculties, disciplines, backgrounds, and countries, the programme fosters a college community centered upon interactive peer group learning and openness to new and diverse ideas, when these students read, learn, discuss, and dine together.

Upon graduation, students who successfully complete the USP requirements and an honours programme will be awarded an honours degree from their faculty or school, and a USP certificate designating them as a University Scholar.

**INTERDISCIPLINARY CURRICULUM**

The USP holds strongly to the belief that students who attend closely to complex issues by using a broad range of interdisciplinary tools are better equipped to face the challenges of the modern world. By examining a subject with knowledge and methods from multiple disciplines, an interdisciplinary approach will reap new possibilities for synthesis and creation. Such an education fundamentally changes how one sees, understands, and contributes to the world.

Students also enjoy an exceptional degree of academic freedom. They can complete their curricula requirements in different ways, like earning academic credits through cultural immersion programmes, academic research, and entrepreneurial development. The USP also strongly encourages test-bedding new and creative concepts, ideas and approaches, both philosophical and pedagogical.

Modules in the USP are held in relatively small seminars (12 to 35 students per class) and classes are characterised by strong interpersonal learning and discussions.

The USP offers a three-tier structure: Foundation, Inquiry, and Reflection. These tiers build upon each other in an intuitive manner, to prepare the students for the interdisciplinary work they will be engaged in, in each subsequent tier.

**THE FOUNDATION TIER**

Cultivates writing and critical thinking, quantitative reasoning, and research skills.

**THE INQUIRY TIER**

Encourages students to generate new and innovative ways to look at and solve complex issues and problems, and to make intellectual connections outside of their disciplinary focus.

**THE REFLECTION TIER**

Brings students together towards the end of their degree to reflect on the conditions of their own disciplinary knowledge and to cultivate a broader interdisciplinary framework to approach discourse and ideas with.

In total, students will take three Foundation modules, eight Inquiry modules, and one Reflection module.

**PARTNER FACULTIES & SCHOOLS**

**OVERSEAS PROGRAMMES & COUNTING**
Here are some of the USP modules:

**CLOTHING IDENTITIES** *(USP MODULE UWC2101N)*
Investigates how clothing relates to identity from the points of view of literature, history, and sociology.

**LANGUAGE, CULTURE & ‘NATIVE’ PEOPLES** *(USP MODULE UWC2101V)*
Examines pervasive stereotypes of primitive cultures, and how modern societies deploy those stereotypes to subjugate indigenous peoples.

**UNIVERSITY SCHOLARS SEMINAR** *(USP MODULE USS2105)*
A year-long series of seminars given by invited speakers to facilitate a process of intellectual inquiry that will lead students to identify and pursue good and feasible research directions.

**EVOLUTION** *(USP MODULE ULS2202)*
Investigates competing theories and asks why some are accepted over others.

**SENIOR SEMINAR: ON BEING HUMAN** *(USP MODULE USR4001A)*
Asks a question about the nature of humanity itself, which will be raised and considered from many different perspectives, including biological, social and philosophical perspectives.

**RELIGIONS IN THE CONTEMPORARY WORLD** *(USP MODULE USP3506)*
Explores the multi-faceted growth and manifestations of religions and religiosity in the contemporary global and local contexts, grounded in historical perspectives.

**LEADERSHIP IN A COMPLEX WORLD** *(USP MODULE UHB2206)*
Adopts an eclectic, multi-disciplinary approach towards the challenge of leadership in a constantly changing environment.

**QUANTUM COMPUTING** *(USP MODULE UIT2205)*
Examines some of the possibilities that the quantum world offers in advancing the capabilities of computers and how our notion of information has evolved.

**POLITICS OF HERITAGE** *(USP MODULE UCV2207)*
Explores how individuals and communities understand and negotiate the relationship between their cultural heritage and contemporary political, economic, and social situations.

**CYBERART** *(USP MODULE UQR2206)*
Studies contemporary art made possible by new technologies, from both creative and theoretical points of view.

**LIVING AND LEARNING TOGETHER IN THE USP RESIDENTIAL COLLEGE**
USP students will stay in the USP RC – Cinnamon College – during their first year and a second year of their choice. They can also choose to stay on for a third and/or fourth year.

All USP students, residents and non-residents alike, have the freedom to participate in all the intellectual and social activities held at the RC, including seminars, talks, Director’s teas, inter- and intra-college sports, workshops, social campaigns, movie nights, and formal dinners. They will also have access to various facilities and resources of the USP RC.

The USP RC is where the students have their own space for reflection and solitude, and it is also where close bonds of friendship and mentioned between peers, professors, and staff can form.

**DIVERSE LEARNING OPPORTUNITIES THAT EXTEND BEYOND THE CLASSROOM**
Besides formal curricular resources, the USP offers students opportunities to explore and develop their interests beyond the classroom -- both within and outside the RC. It also encourages meaningful overseas programmes initiated by students, providing financial support where appropriate.

The USP organises a variety of activities and projects for its students. Some of them are seminars, symposia, and study exchange programmes at top universities such as Yale, Delhi, Waseda, Princeton, Sciences Po, Beida, Amsterdam, Bogazici, and the Australian National University. There are also study trips and expeditions to places such as the United States, Himalayas, Turkey, Japan, Cambodia, and India.

In addition, the USP Career Services offers support to students at every stage of their career process -- from the first day of entry to the USP to life as an USP alumnus. These support resources include one-on-one consultation, career profiling, company presentations and networking events, industry mentorship, and postgraduate studies sharing sessions amongst others.
ACHIEVEMENTS OF STUDENTS AND GRADUATES

USP students have won many acclaimed competitions and awards, making their marks in the global arena. Here are just some of them: Junior Chamber International (JCI) Ten Outstanding Young Persons of the World, Google Entrepreneurs Challenge, National Climate Competition, USC Marshalls Real Estate Competition, DBS Bank’s I-Designed-A-Bank-Branch design contest, Challenge: Future Competition Finals, the American Institute of Chemical Engineers Western Regional Conference, Washington Center International Leaders Award, Mondialogo Engineering Award, McGill Management International Case Competition, and ASEAN University Network Young Speakers Contest; major case competitions like the Scotiabank International Case Competition, HSBC/McKinsey Business Case Competition, International L’Oreal Brandstorm Competition, and International Case Competition at the ‘Ethical Leadership for the New Generation’ Youth Summit.

Among the recent USP graduates, more than one-third of them went on to pursue postgraduate studies at either local or overseas universities, that include top universities such as Oxford, Cambridge, MIT, Imperial, Harvard, Berkeley, Stanford, London School of Economics, Tsinghua, Karolinska Institute in Sweden, and Duke-NUS Graduate Medical School. There are also five USP alumni who have received Fulbright scholarships and awards. Others have found employment in major organisations in the private and public sectors, with many holding prestigious management associate appointments.

APPLYING TO USP

Students are required to submit a separate USP application when applying to NUS. Admission is based on academic potential, co-curricular achievements, passion, motivation, and curiosity. Application is by transcript, an essay, a personal statement, and an interview with the USP professors.

NUS students in their first semester may also join during the USP’s second admissions process from October to November each year. National Service (NS) men who are successful in the admissions exercise to join the USP will have a place reserved for them in the year that they matriculate into NUS.

More information is available at the following www.usp.nus.edu.sg.

DISTINGUISHED USP ALUMNI

An ardent social entrepreneur, Aseem co-founded Give.sg, a social charity that earned a special mention at the 2012 President’s Challenge Social Entrepreneur (Youth) category.

MR ASEEM KUMAR THAKUR
Mechanical Engineering - Class of 2009

An outstanding polytechnic graduate, Marvin maintained academic excellence and exhibited admirable leadership qualities in NUS. Armed with a First-class honours degree, he is now pursuing Masters at the Harvard Kennedy School.

MR KANG PING SONG, MARVIN
Business Administration - Class of 2012

A strong USP believer, Tuty continues to participate in many different activities and contribute relentlessly back to USP. She is now a Global Technical Operating Scientist at MSD International.

MS TUTY NORASHIKIN BTE SUHAIEMI
Applied Chemistry - Class of 2007

Passionate in performing arts, Sarah actively composed and sang in school musicals, and courageously funded her first debut album during her honours year. She released her second album in 2012, and she is gaining popularity as a budding local singer-songwriter.

MS CHENG XUE MEI, SARAH
Psychology and Theatre Studies - Class of 2011

FOR GENERAL ENQUIRIES

UNIVERSITY SCHOLARS PROGRAMME
National University of Singapore
University Town, 18 College Avenue East
Singapore 138593
T +65 6516 4425
F +65 6773 1012
E usphelp@nus.edu.sg
W usp.nus.edu.sg
APPLICATION FOR ADMISSIONS

THE OFFICE OF ADMISSIONS IS LOCATED AT EDUSPORTS, UTOWN. KEY SERVICES ARE IN UNDERGRADUATE ADMISSIONS, SCHOLARSHIPS, AND FINANCIAL AID.
ADMISSION CRITERIA AND APPLICATION PROCEDURE FOR ACADEMIC YEAR 2013-2014

The National University of Singapore (NUS) welcomes applicants who have completed or are completing high school and have met the respective course requirements to seek admission to full-time undergraduate programmes. In order for NUS to evaluate each application appropriately, please review the summary table below to determine which qualifications and corresponding application procedures best apply.

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<thead>
<tr>
<th>QUALIFICATIONS</th>
<th>APPLICATION PERIOD AND CLOSING DATES</th>
<th>HOW TO APPLY</th>
<th>MODE(S) OF APPLICATION</th>
<th>FEE PAYMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicants, regardless of nationality, presenting the Singapore-Cambridge GCE ‘A’ Level results.</td>
<td>Admission exercise opens three working days after the release of the 2012 Singapore-Cambridge GCE ‘A’ Level results, in early March and closes on 1 April 2013.</td>
<td>Apply online through the NUS website to be considered for admission to NUS.</td>
<td>DBS / POSBank ATM / Bank draft / Cheque / Visa, MasterCard or AMEX / NETS / Internet Banking – S$10</td>
<td></td>
</tr>
<tr>
<td>Applicants, regardless of nationality, presenting an acceptable diploma from a polytechnic in Singapore. Final-semester polytechnic students may apply.</td>
<td>Admission exercise opens on 1 February 2013 and ends on 21 February 2013.</td>
<td>Apply online through the NUS website to be considered for admission to NUS.</td>
<td>DBS / POSBank ATM / Bank draft / Cheque / Visa, MasterCard or AMEX / NETS / Internet Banking – S$10</td>
<td></td>
</tr>
<tr>
<td>Mature applicants* (regardless of nationality) presenting the Singapore-Cambridge GCE ‘A’ Level results and/or an acceptable diploma from a polytechnic in Singapore. In addition, mature applicants will have to present their SAT Reasoning Test results. * A mature applicant is one who is at least 25 years of age, with at least four years of full-time work experience as of 1 July of the admission year.</td>
<td>Admission exercise dates are applicable depending on qualifications presented. Please see the above for details.</td>
<td>Apply online based on your qualification(s), through the NUS website to be considered for admission to NUS.</td>
<td>DBS / POSBank ATM / Bank draft / Cheque / Visa, MasterCard or AMEX / NETS / Internet Banking – S$10</td>
<td></td>
</tr>
<tr>
<td>International applicants presenting international qualifications.</td>
<td>Admission exercise opens on 15 October 2012. The closing date varies depending on qualifications presented. Please refer to our website.</td>
<td>Apply online through the NUS website to be considered for admission to NUS.</td>
<td>Bank draft / Cheque / Visa, MasterCard or AMEX / NETS Internet Banking (if in Singapore) – S$20</td>
<td></td>
</tr>
<tr>
<td>1. Singaporeans or Singapore Permanent Residents with International high school qualifications or qualifications in addition to the Singapore-Cambridge GCE ‘A’ Level results / Diploma from a polytechnic in Singapore. 2. Singaporeans or Singapore Permanent Residents who are current or former undergraduates of a foreign university, seeking admission or a transfer to NUS or university graduates applying for an undergraduate degree programme. 3. Current or former students from NUS, NTU, SMU or SUTD seeking a transfer or re-admission. 4. Non-Singaporeans enrolled in a foreign university presenting local high school qualifications.</td>
<td>Admission exercise opens on 1 February 2013 and ends on 21 February 2013.</td>
<td>Apply online through the NUS website to be considered for admission to NUS.</td>
<td>DBS / POSBank ATM / Bank draft / Cheque / Visa, MasterCard or AMEX / NETS / Internet Banking (if in Singapore) – S$10</td>
<td></td>
</tr>
<tr>
<td>Applicants, regardless of nationality, presenting the International Baccalaureate Diploma results.</td>
<td>Admission exercise opens on 15 October 2012 and ends on 21 February 2013.</td>
<td>Apply online through the NUS website to be considered for admission to NUS.</td>
<td>Bank draft / Cheque / Visa, MasterCard or AMEX / NETS / Internet Banking (if in Singapore) – S$10</td>
<td></td>
</tr>
<tr>
<td>Applicants, regardless of nationality, presenting the NUS High School Diploma results.</td>
<td>Admission exercise for 2013-2014 opens on 19 November 2012 and closes on 31 December 2012.</td>
<td>Apply online through the NUS website to be considered for admission to NUS.</td>
<td>Bank draft / Cheque / Visa, MasterCard or AMEX / NETS / Internet Banking (if in Singapore) – S$10</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
The NUS website is www.nus.edu.sg/admissions/undergrad.
Payment by credit card: Only accepts Visa, MasterCard or AMEX.
Payment by NETS: Can only be made at the Office of Admissions, NUS.
Payment by cheque or bank draft: Applicant’s name, address and application number should be written clearly on the reverse side. The bank draft/cheque must be made payable to the “NATIONAL UNIVERSITY OF SINGAPORE”. Please ensure that it can be cleared by a bank located in Singapore.
Payment by internet banking: Only Singapore-based bank accounts maintained with DBS Bank, United Overseas Bank and Citibank Singapore.
No cash payment will be accepted.
ADMISSION AND APPLICATION MATTERS

TESTS AND INTERVIEWS

Students applying for Architecture, Dentistry, Industrial Design, Law, Medicine, and Nursing degree programmes are required to undergo a test and / or an interview. Those applying for Concurrent, Double Degree Programmes and Discretionary Admissions may be invited for an interview.

Students applying for the courses mentioned above are required to submit their actual / forecast academic results by the respective application’s closing date applicable to the qualifications they are submitting.

Shortlisted applicants will be notified to attend test(s) and / or interview(s) conducted at the University.

Please take note that all applicants shortlisted for Yong Loo Lin School of Medicine must submit a portfolio to the School before the interview. The portfolio must contain an official testimonial from junior college or high school, two letters of recommendation, a one-page personal statement, and a resume or a one-page list of co-curricular activities. This portfolio will be read by the interviewing team and evaluated by the selection committee.

For more information, visit www.nus.edu.sg/oam/apply/local/interviews/BYA-interviews.html.

APPLICANTS, REGARDLESS OF NATIONALITY, PRESENTING THE SINGAPORE-CAMBRIDGE GCE ‘A’ LEVEL RESULTS

To apply, applicants must have

A) passed at least two subjects at H2 Level and offer either General Paper (GP) or Knowledge & Inquiry (KI) in the same sitting;

B) met the Mother Tongue Language (MTL) requirement for admission by having one of the following:
   • A minimum of D7 for the higher MTL paper taken at the ‘O’ Level examination
   • A minimum of ‘S’ grade for the H1 MTL or General Studies in Chinese
   • A minimum of ‘S’ grade for the H2 MTLL paper taken at the ‘A’ Level examination
   • A pass in the MTL ‘B’ Syllabus paper at the ‘A’ Level examination

Failing to fulfil the MTL requirement for admission but having satisfied all other admission requirements, applicants will be admitted on a provisional basis. During their course of studies, they will be required to attend the MTL course conducted by the University or attain the minimum requirement as listed above by re-taking the MTL paper at the ‘A’ Level examination, before they are allowed to graduate. If they have been exempted from MTL by the Ministry of Education (MOE), the MOE approved subject-in-lieu will be considered as their MTL subject.
Meeting the above minimum admission requirements does not guarantee a place in the University as admission to the University is based on open competition and would depend on the applicant's academic standing, course selection and competition amongst applicants in the year of application. In exceptional cases, work experience and other achievements may be considered.

INDICATIVE GRADE PROFILE
NUS has released the Indicative Grade Profile and course places of Academic Year 2013 for both ‘A’ Level and polytechnic applicants in order to enable applicants to make more informed choices when applying for admission in the 2013 University Admission Exercise.

For more information, please visit www.nus.edu.sg/oam/gradeprofile/sprogramme-igp.html.

ADMISSION TO MOTHER-TONGUE LANGUAGE (MTL) RELATED COURSES
Applicants who excel in their higher MTL subject (Chinese, Malay or Tamil) or MTL subject (Chinese, Malay or Tamil) at the ‘A’ Level examination are eligible for MTL bonus points on the condition that they have to pass the required modules in their respective MTL subjects. They are allowed to use the MTL bonus points earned to gain admission to the Arts & Social Sciences course for the following MTL-related concentrations:

- Chinese Language or Chinese Studies
- Malay Studies
- South Asian Studies

The following MTL bonus points will be awarded:

- Two bonus points for applicants who have attained at least an E grade in H2 MTL
- One bonus point for applicants who have obtained at least an A grade in H1 MTL
- One bonus point for applicants who have obtained at least a B grade in H1 General Studies in Chinese

Students offering any combinations of MTL related subjects are allowed to accumulate the MTL bonus points allocated for each subject, including a combination of H1 MTL and H2 MTL. Bonus points will be capped at three.

The MTL bonus points will be added to the Singapore-Cambridge GCE ‘A’ Level component for computation. The use of bonus points to gain admission to NUS is similar to the award of bonus points for admission to the Junior College Chinese Language Elective Programme. If applicants have used the MTL bonus points for admission to the Arts and Social Sciences course, they will have to sign an undertaking at the point of acceptance.

For more information, please visit www.askadmissions.nus.edu.sg/app/answers/detail/a_id/21/kw/mother%20tongue

DISCRETIONARY ADMISSION
Up to 10% of vacancies will be set aside for consideration of exceptional applicants for admission to NUS. For such applicants, other factors besides grades will be taken into consideration. The following are some examples of extra achievements that the University may take into consideration:

- Medal winner at the International Olympiads (Biology, Chemistry, Informatics, Mathematics, and Physics)
- Winner at the National Science & Talent Search
- Represented Singapore in Arts and/or Sports competitions or events
- Active participation in community service and volunteer programmes
- Work experience relevant to the course applied for (supporting document(s) is/are required)
- Key leadership positions in community organisations, sports and athletic clubs, etc. (outside school)

In addition, applicants can provide information on awards/honours that they have won. If applicants wish to be considered under this scheme, they should provide the details in the 'Discretionary Admissions' section in the online application form. Please take note that if the 'Discretionary Admissions' section in the online application form is not filled out, applicants will be deemed as not interested for consideration under this scheme.
ADMISSION REQUIREMENTS FOR OLD ‘A’ LEVEL CURRICULUM

Applicants taking the old ‘A’ Level Curriculum (i.e. ‘A’/’AO’ subjects) will not be disadvantaged when they apply for admission in 2013.

For more information, visit www.nus.edu.sg/oam/apply/local/alevel2/BYA-alevel2.html

MATURE APPLICANTS, PRESENTING THE SINGAPORE CAMBRIDGE GCE ‘A’ LEVEL RESULTS AND/OR AN ACCEPTABLE DIPLOMA FROM A POLYTECHNIC IN SINGAPORE, IN ADDITION TO SAT SCORES

Mature applicants who are at least 25 years of age with at least four years of full-time work experience as of 1 July of the admission year should apply under the respective categories depending on the qualification(s) presented. Please refer to www.nus.edu.sg/oam/apply/local/applications/WYA-applications.html for the listing of categories.

COMPUTATION OF UNIVERSITY SCORE

The University Score is calculated using a formula, which is computed as follows:

SAT Test 50%
Content Proficiency 25%
Experience and Motivation 25%

CONSIDERATION OF SAT TEST

SAT Test scores are compulsory. They must be submitted before 1 April of the admission year. Those without these scores will not be considered for admission. The best combined score in the five years leading up to 1 April of the admission year will be taken into consideration. For applications closing on 1 April 2013, the Test must be taken from 1 April 2008 to 1 April 2013. Applicants may not submit Critical Reading and Mathematics scores from across sittings.

CONTENT PROFICIENCY

Content proficiency refers to the performance in the Singapore-Cambridge GCE ‘A’ Level examination and/or studies at a polytechnic in Singapore.

EXPERIENCE AND MOTIVATION

Experience is limited to full-time working experience only. It is not necessary for applicants to have worked continuously for the same company or organisation for four years. For more information, visit www.nus.edu.sg/oam/apply/local/admissionreq/BYAadmission.html.

APPLICANTS, REGARDLESS OF NATIONALITY, PRESENTING AN ACCEPTABLE DIPLOMA FROM A POLYTECHNIC IN SINGAPORE

To apply, applicants must

A) present a diploma from a polytechnic in Singapore, which must be acceptable for the course(s) applied for. They can visit www.nus.edu.sg/oam/apply/local/prerequisites/BYA-prerequisites.html to find if they meet the requirements for the course(s) that they wish to be considered for. They must also submit all results from the course, and

B) submit their Singapore-Cambridge GCE ‘O’ Level results, if available


Students in their final year of studies at the polytechnic can apply with their results obtained from their first five semesters of studies. Final semester polytechnic students who are offered admission will be given a provisional offer, and they will be required to submit their final semester results as proof of successful completion of their diploma course.

COMPUTATION OF UNIVERSITY SCORE

The University Score is computed using a T-score formula, as follows:

Polytechnic results 80%
Singapore-Cambridge GCE ‘O’ Level results 20%

With effect from AY2007-2008, CCA PEARLS and CCANS PEARLS points are no longer taken into consideration for computation of the University Score. SAT (previously termed as Reasoning Test) scores too, are no longer considered for applicants applying from 2006 onwards.
DISCRETIONARY ADMISSION
Up to 10% of vacancies will be set aside for consideration of exceptional applicants for admission to NUS. Please refer to the page 117 for details.

MATURE APPLICANTS
Mature applicants are those who are at least 25 years of age with at least four years of full-time work experience as of 1 July of the admission year. Please refer to the previous page for application details.

INTERNATIONAL APPLICANTS PRESENTING INTERNATIONAL QUALIFICATIONS
To apply, applicants must have completed or be completing their high school education, with at least twelve years of general education. Please refer to www.nus.edu.sg/oam/apply/international/admissionreq/BYA-admissionreq.html for the admission requirements and application closing date applicable to their high school qualification.

Please take note that for some qualifications, additional requirements such as TOEFL / IELTS or SAT and SAT Subject Tests scores are applicable. Unless otherwise specified on the website, www.nus.edu.sg/oam/apply/international/admissionreq/BYA-admissionreq.html, applicants’ complete application must reach the Office of Admissions by the application closing date.

ENGLISH LANGUAGE REQUIREMENT
For certain qualifications, applicants are required to furnish additional English Language test scores to fulfill the English Language requirement set by the University. For information on English Language requirement, please visit www.nus.edu.sg/oam/apply/international/admissionreq/BYA-admissionreq.html.

UNIVERSITY ENTRANCE EXAMINATION (UEE)
NUS conducts a University Entrance Examination (UEE) for selected applicants, with certain qualifications, to assess their suitability for admission to its undergraduate courses in each academic year. Shortlisted applicants will be considered for admission based on their performance at the UEE and at the sole discretion of the University. Unless invited, applicants will not be allowed to take or appeal to take the UEE.

The UEE is usually conducted from end January till March in Indonesia, Singapore and Vietnam. More information on UEE can be found at www.nus.edu.sg/oam/uee/index.html.

SAT
The SAT consists of three sections: Critical Reading, Writing, and Mathematics. The minimum acceptable SAT scores are 600 for the Critical Reading Section, 600 for the Writing Section, and 650 for the Mathematics Section. All three sections have to be taken in one sitting. Mixing of different section scores from different sitting is not permitted.

SAT SUBJECT TESTS
SAT Subject Tests are content-based tests. Three subject tests should be taken. The Mathematics Level II subject is compulsory while the two other subjects may be of the applicants’ choice.

Compulsory subjects for the Subject Tests include:

- Mathematics Level II
- A second subject of choice (excluding Mathematics Level I)
- A third subject of choice (excluding Mathematics Level I)

^ Mathematics Level II is a compulsory subject for all courses except Law. Applicants applying for admission to Law may take Mathematics Level I in lieu of Mathematics Level II.

The second and third subjects should be chosen based on the subject pre-requisites of the courses the applicants are applying for. For example, if he / she is applying for Chemical Engineering, he / she will need to choose Physics and Chemistry. If, however, he / she is applying for Business Administration, he / she may choose any other subjects except Mathematics Level I.

The three subjects can be taken in no more than two sittings, within the period of one year. All other combinations or mixing of scores are accepted.

Please take note that the old test format (SAT I & II) and the new test format SAT and SAT Subject Tests cannot be combined. The validity of scores is five years, e.g. for applications closing on 31 March 2013, the validity period is from 31 March 2008 to 31 March 2013 (both dates inclusive). No minimum Subject Test scores have been stipulated.
Please take note that IELTS / TOEFL will not be required if applicants wish to apply for Law/Economics & Law using their SAT and SAT Subject Tests as their bases for admission.

Visit www.nus.edu.sg/oam/apply/internationaladmissionreq/BYA-admissionreq.html for information on SAT requirements. For information on SAT Tests, please visit www.collegeboard.com. Our institution code is 3720.

**Singaporeans or Singapore Permanent Residents with**

- International high school qualifications
- Qualifications in addition to the Singapore-Cambridge GCE ‘A’ Level results or a Diploma from a Polytechnic in Singapore

Singaporeans or Singapore Permanent Residents who are
- current or former undergraduates of a foreign university seeking a transfer to NUS;
- university graduates applying for an undergraduate degree course; or
- current or former students from NUS, NTU, SMU or SUTD seeking a transfer or readmission;

must have completed or are completing their high school education, with at least 12 years of general education.

Please refer to the high school qualification listed at www.nus.edu.sg/oam/apply/local/admissionreq/BYA-admission.html and carefully review the admission requirements that apply to their high school qualification.

The completed application must reach the Office of Admissions by 21 February 2013. For more information, visit www.nus.edu.sg/oam/apply/local/applications/WYA-applications.html.

**NON-SINGAPOREANS WHO HAVE TAKEN SINGAPORE-CAMBRIDGE ‘A’ LEVEL, POLYTECHNIC DIPLOMA, INTERNATIONAL BACCALAUREATE DIPLOMA OR NUS HIGH SCHOOL DIPLOMA AND ENROLLED IN A UNIVERSITY OTHER THAN NUS, NTU, SMU OR SUTD**

Applicants must have or are currently enrolled in a university or tertiary institute other than those stated above in order to be considered. If they are presenting solely the above high school qualifications, they will have to apply to the respective qualifications. Applicants will be evaluated for admission on the basis of their high school results, university results, and any other academic and non-academic achievements. These documents will be required to be submitted to support their application.

For more information, visit www.nus.edu.sg/oam/apply/transfer/applications/WYA-applications.html.
INTERNATIONAL BACCALAUREATE (IB) – APPLICANTS, REGARDLESS OF NATIONALITY, PRESENTING INTERNATIONAL BACCALAUREATE (IB) DIPLOMA

To apply, applicants must present either
A) November 2012 or earlier IB Diploma Programme examination session results, or
B) May 2013 IB Diploma Programme examination session results.

Students taking the May 2013 IB Diploma Programme examination should apply with the following:
- Forecast International Baccalaureate (IB) results as attested by high school
- High school results
- SAT and SAT Subject Tests scores (applicable to students applying for Medicine and/or Dentistry course)

Applicants of the May 2013 examination who wish to have an early consideration before the release of their IB results in July 2013 should submit both SAT and SAT Subject Tests scores for their application.

Some students may be subjected to the Mother Tongue Language (MTL) requirement for admission. Please refer to www.nus.edu.sg/oam/apply/local/ib/BYA-ibA.html for more details.

DISCRETIONARY ADMISSION
Up to 10% of vacancies will be set aside for consideration of exceptional applicants for admission to NUS. Please refer to page 117 for more details.

NUS HIGH SCHOOL – APPLICANTS, REGARDLESS OF NATIONALITY, PRESENTING THE NUS HIGH SCHOOL OF MATHEMATICS AND SCIENCE DIPLOMA

To apply, they must
A) present the NUS High School of Mathematics and Science Diploma;
B) meet the Mother Tongue Language (MTL) requirement for admission by having one of the following:
- A minimum D7 grade for the higher MTL paper taken at the ‘O’ Level examination
- A minimum ‘S’ grade for the H1 MTL paper or General Studies in Chinese
- A minimum ‘S’ grade for the H2 MTL paper taken at the ‘A’ Level examination
- A pass in the MTL ‘B’ Syllabus paper at the ‘A’ Level examination

Failing to fulfill the MTL requirement for admission but having satisfied all other admission requirements, applicants will be admitted on a provisional basis. During their course of studies, they will be required to attend the MTL course conducted by the University or attain the minimum requirement as listed above by re-taking the MTL paper at the ‘A’ Level examination, before they are allowed to graduate. If they have been exempted from MTL by the Ministry of Education (MOE), the MOE approved subject-in-lieu will be considered as their MTL subject.

DISCRETIONARY ADMISSION
Up to 10% of vacancies will be set aside for consideration of exceptional applicants for admission to NUS. Please refer to page 117 for more details.
NUS Scholarships are highly coveted scholarships awarded to high calibre individuals who demonstrate academic excellence, present excellent co-curricular activities records and exhibit outstanding leadership qualities. NUS Scholars are expected to contribute significantly to the NUS community while in NUS, and to emerge as dynamic global leaders who are capable of effecting a positive change to society after they graduate.

ELIGIBILITY
Applicants for the NUS Scholarships/NUS Sports Scholarship must
• be Singapore Citizens;
• have strong leadership qualities and potential;
• have a good co-curricular activities and record; and
• have Singapore-Cambridge GCE ‘A’ Level, diploma from a polytechnic in Singapore or equivalent high school qualifications (e.g. International Baccalaureate).

APPLICATION
Interested students should apply for NUS Scholarships and NUS Sports Scholarship at https://aces01.nus.edu.sg/uasonline2/scholarships/Login.do
### VALUE & COVERAGE OF NUS SCHOLARSHIPS & NUS SPORTS SCHOLARSHIP

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<th>SCHOLARSHIP COVERAGE/SCHOLARSHIP</th>
<th>NUS GLOBAL MERIT SCHOLARSHIP</th>
<th>NUS UNDERGRADUATE (MERIT) SCHOLARSHIP</th>
<th>KENT RIDGE UNDERGRADUATE (MERIT) SCHOLARSHIP</th>
<th>KENT RIDGE UNDERGRADUATE SCHOLARSHIP</th>
<th>NUS SPORTS SCHOLARSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition fees (after MOE Tuition Grant subsidy)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>$6,000 annual living allowance</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>$3,600 annual living allowance</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>$2,000 one-time computer allowance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
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<tr>
<td>$2,450 annual accommodation allowance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>$7,500 Student Exchange Programme / NUS Overseas Colleges allowance per semester, except $5,000 for Asian countries excluding Japan</td>
<td></td>
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</tr>
<tr>
<td>Eligibility to enrol in the University Scholar's Programme or the University Town Residential Programme</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Eligibility for the NUS Scholar Enrichment Grant (to co-sponsor enrichment activities) up to $6,000</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Eligibility for various university-funded scholar development programmes</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Eligibility for free tickets to selected NUS arts performances</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Scholarship is bond-free</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>

* And $3,850 annual accommodation allowance if scholar is staying in University Town

For more information on NUS Scholarships, please visit [www.nus.edu.sg/oam/scholarships/freshmen/scholarship-freshmen.html](http://www.nus.edu.sg/oam/scholarships/freshmen/scholarship-freshmen.html).

### OTHER SCHOLARSHIPS

There are other attractive scholarships available to students applying for undergraduate admissions to NUS. Applicants will be selected based on academic merits and co-curricular achievements.

<table>
<thead>
<tr>
<th>SCHOLARSHIP</th>
<th>ELIGIBILITY</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKY/STEP Award</td>
<td>Singapore Citizens and Permanent Residents</td>
<td>Application required</td>
</tr>
<tr>
<td>University Engineering Scholarship</td>
<td>Singapore Citizens and Permanent Residents</td>
<td>Application required</td>
</tr>
<tr>
<td>Khoo Teck Puat Scholarship</td>
<td>Singapore Citizens and PRC Citizens</td>
<td>Application required</td>
</tr>
<tr>
<td>ASEAN Undergraduate Scholarship</td>
<td>Citizens of ASEAN countries, excluding Singapore</td>
<td>All eligible students who apply for undergraduate admission to NUS will be considered for the scholarship.</td>
</tr>
<tr>
<td>Science &amp; Technology Undergraduate Scholarship</td>
<td>Citizens of Asian countries, excluding Singapore</td>
<td>Separate scholarship applications are not required.</td>
</tr>
</tbody>
</table>

For more information on these scholarships, please visit [www.nus.edu.sg/oam/scholarships/freshmen/scholarship-international.html](http://www.nus.edu.sg/oam/scholarships/freshmen/scholarship-international.html).
The National University of Singapore (NUS) is committed to a needs-blind merit based admission policy that ensures no deserving student is denied admissions because of financial difficulty. To help meet the educational expenses of financially needy students, aid in the form of loans, bursaries and work-study opportunities are administered by the Office of Financial Aid (OFA) within the Office of Admissions.

**TYPES OF FINANCIAL AID AVAILABLE**

**TUITION FEE LOANS (TFL)**
This loan is available to all full-time undergraduate students. The value of the loan is up to 90% of the tuition fee payable*. The loan is tenable for the entire course of study and is only repayable upon graduation. Interested applicants can download the application form from OFA’s website (upon the acceptance of the offer of admission) and submit the completed form directly to either OCBC or DBS Bank for processing by the stipulated deadline stated on OFA’s website.

**CPF EDUCATION SCHEME (CES)**
This loan scheme is applicable to full-time undergraduate students who have and/or whose family members have CPF accounts. The value of the loan should not exceed the tuition fee payable* and the CPF member may only use up to 40% of the accumulated savings in the ordinary account, excluding amounts withdrawn for housing. The loan is tenable for the entire course of study and is only repayable upon graduation. Interested applicants can apply online at CPF’s website in July.

**MENDAKI TERTIARY TUITION FEE SUBSIDY (TTFS)**
This loan is made available only to needy Malay undergraduate students who are either Singapore Citizens or children of Singapore Citizens, with a monthly per capita family income of not more than S$1,500 and have enjoyed free secondary and pre-university education in Singapore. The quantum of subsidy is 50% or 75% or 100% of the tuition fee payable. Interested applicants can download the application form from OFA’s website from July and return the completed form to OFA or to the Student Service Centre (SSC) by 1 August for onward transmission to Mendaki for their processing.

**POST-SECONDARY EDUCATION ACCOUNT (PSEA)**
This scheme is administered by the Ministry of Education (MOE) and is open to all eligible Singapore Citizens. It allows students to utilise their own and/or up to three siblings’ PSEA funds for the payment of tuition fees (inclusive of mandatory miscellaneous fees) as well as fees for enrichment programmes approved and endorsed by the University. Interested applicants can download the application form from OFA’s website in July and must submit the completed form at the Registration Centre on Registration Day or to the Student Service Centre (SSC) or OFA by the deadline stipulated on OFA’s website.
NUS STUDY LOANS
This loan is available to needy local and international undergraduate students whose monthly per capita household income does not exceed S$2,400 and S$1,200 respectively. Eligible applicants must also have obtained or intend to obtain financing for 100% of the tuition fee payable* under the TFL and/or CES and/or TFFS and/or a registered government agency (RGA), together with the NUS Study Loans. When the total sum of such borrowing amounts to 100% of the tuition fee payable*, eligible applicants can also take up a study loan living allowance of S$3,600. Each loan is tenable for the entire course of study and is repayable only upon graduation. Interested applicants can be considered for the loans by applying for Financial Aid online at OFA’s website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

NUS BURSARIES
Bursaries are available to needy undergraduate students. The value of each award is at least S$1,000 per annum. Each award is tenable for one year and re-application is required every subsequent year. The recipient may not concurrently hold another scholarship or bursary or free aid without prior approval from NUS. Interested applicants can be considered for the bursaries by applying for Financial Aid online on OFA’s website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

ELIGIBILITY FOR FINANCIAL AID APPLICATION
In order to be eligible for consideration, an applicant must have applied for admission to NUS.

FINANCIAL AID AWARD
With the exception of scholarship applications which are considered based on merit, all applications for Financial Aid must be supported by documentary evidence of family income. Successful applicants will be offered a conditional Financial Aid Package which will be confirmed upon their successful application for loans/aid under TFL/CES/Mendaki TFFS/RGA. The Financial Aid Package will be a combination of some or all of the following schemes:

- NUS Study Loan
- NUS/MOE Bursary
- CDC/CCC Bursary
- Residential Programme Bursaries
- NUS Student Assistance Loan
- Work-Study Assistance

APPLICATION PROCEDURES
Financial Aid applications are processed before the start of each academic year. For prospective students, applications should be made after applying for admission to the University and in the year they are admitting. Please access OFA’s website to apply online after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

Applications for TFL/CES/Mendaki/TFFS/RGA should be made upon offer of admission. Application details and deadlines are given at OFA’s website. All applications should be completed accurately and submitted as early as possible to avoid delay in processing.

FINANCIAL NEEDS CALCULATOR
The Financial Needs Calculator provides a quick estimate to help prospective and existing undergraduate students determine their annual financial needs for the pursuit of a tertiary education in NUS. Visit https://aces01.nus.edu.sg/webroapsbs Jsp/FinancialNeedsCalculator.jsp to access the calculator.

MOE BURSARIES
MOE Bursaries are available to needy Singaporean undergraduate students whose monthly per capita household income does not exceed S$1,700. The quantum is S$800 or S$2,150 per annum depending on the assessed financial need of the applicant. Each award is tenable for one year and the recipient is not allowed to hold the CDC/CCC Bursary or another scholarship or bursary or free aid. Interested applicants can be considered for the bursaries by applying for Financial Aid online at OFA’s website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

CDC/CCC BURSARY SCHEME
This scheme is jointly administered by OFA and the respective CDCs/CCCs. Bursaries under this scheme are only offered to applicants who are Singapore Citizens and whose monthly per capita household income does not exceed S$850.
The quantum of each award is S$2,900 per year and each award is tenable for one year. The recipient may not concurrently hold another scholarship or bursary or free aid without prior approval from NUS. NUS Bursary recipients who are eligible for the CDC/CCC Bursary may be allowed to concurrently hold the CDC/CCC Bursary.

Interested applicants can be considered for the bursary by applying for Financial Aid online at OFAs website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

**NUS STUDENT ASSISTANCE LOANS**

NUS Student Assistance Loans are available to needy undergraduate students who are recipients of the NUS Study Loans (with the living allowance component) and have to incur accommodation expenses. Scholars whose scholarships do not provide accommodation allowance may also be considered. The loan quantum varies according to the assessed financial need of the applicant. Each loan is tenable for the entire course of study and is repayable upon graduation. Interested applicants can be considered for the loans by applying for Financial Aid online at OFAs website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

**RESIDENTIAL PROGRAMME BURSARIES**

Residential Programme Bursaries are available to needy Singapore Citizens who are staying at one of the three residential colleges **“** at the University Town or one of the six Halls of Residences. The quantum of each award is one year and the recipient may not concurrently hold another scholarship or bursary or free aid without prior approval from OFA. Interested applicants can be considered for the bursaries by applying for Financial Aid online at OFAs website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

**WORK-STUDY ASSISTANCE**

Work-Study Assistance is available to needy undergraduate students who are recipients of NUS’ financial aid. Students who are deemed to be eligible for assistance under this scheme will be (1) issued with a priority consideration letter upon request (2) directed to the NUS Talent Connect website for preferential consideration for part-time work.

The scheme is tenable for one year and reapplication is required for every subsequent year. Interested applicants can be considered for the assistance by applying for Financial Aid online at OFAs website after applying for admission, and before the admission closing date, or by 1st April, whichever is earlier.

* At Singapore Citizen’s rate for the same course of study
** Includes Tembusu College, College of Alice & Peter Tan (formerly known as Angsana College) and Cinnamon College (USP).

**OVERSEAS STUDENT EXCHANGE PROGRAMME LOANS**

Overseas Student Exchange Programme Loans are available to undergraduate students who have been selected to participate in the student exchange programme at an overseas partner university. The maximum loan quantum is S$3,000 per semester, depending on the applicant’s financial status. Interested applicants can apply online at OFAs website at least three weeks before departing from Singapore for the programme.

**NUS STUDENTS’ FUND BURSARY**

Bursaries under this scheme (administered by NUS Students’ Union) are offered to applicants who are in receipt of the maximum loan quantum under the TFL and/or CES and/or TTFS and/or RGA. The quantum of each award is S$1,000 per semester and is tenable for a semester. Re-application is required for every subsequent semester. The recipient may not concurrently hold another scholarship or bursary or free aid without prior approval from the relevant awarding authorities. More information about the bursary can be found at www.nussu.org.sg.

**NOTEBOOK OWNERSHIP SCHEME**

This loan (administered by Computer Centre) assists students to purchase personal notebook computers. This loan is interest-free and the quantum is up to S$2,000. The loan covers only the notebook purchase and excludes optional upgrades. The loan must be utilised to purchase any notebook computer model from the current vendors of the NUS notebook tender that is in force at the University. This loan is repayable by instalments up to a maximum repayment period of 30 months. Interested applicants can download the application form at www.nus.edu.sg/comcen/notebook/purchase/interestloan.html.

Please also visit OFAs website for information on financial aid schemes administered by other NUS offices and external organisations. For bursaries and loan schemes administered at the various faculties/schools/halls/residential colleges, please refer to their respective websites for details.
A student’s education at the National University of Singapore (NUS) is highly subsidised by the Government of Singapore. This substantial subsidy comes in the form of a tuition grant administered by the Ministry of Education (MOE) which is offered to all full-time students. Students who accept the tuition grants only need to pay the subsidised fees.

While the tuition grant is not repayable, Singapore Permanent Residents and international students will be bonded under the terms of the tuition grant to work for a Singapore-registered company for three years upon completion of their courses, so as to discharge some of their obligations to the Singapore Government for the high subsidy of their university education.

Visit www.nus.edu.sg/registrar/eduUG/fees.html for the latest information on tuition fees.

Visit tgonline.moe.gov.sg/tgis/files/TG-FAQ.pdf for the terms and conditions of the tuition grant scheme for non-Singaporeans.

Further details on the tuition grant are available from:

TUITION GRANT UNIT
Higher Education Division
Office Tower Level 15, Ministry of Education, Singapore
1 North Buona Vista Drive, Singapore 138675
T 65 6879 7333/4
F 65 6776 8609
E MOE_tgonline@moe.gov.sg
W tgonline.moe.gov.sg/tgis/normal/index.action
MISCELLANEOUS FEES
Miscellaneous fees are typically levied on items that are either not covered or partially covered by tuition fee and grant. These fees, estimated at S$300 per year, contribute towards defraying associated costs and fall into the following general categories of registration, student activity, health service and insurance, and academic related activities.

ESTIMATED MONTHLY EXPENSES FOR UNDERGRADUATES
Visit www.nus.edu.sg/oam/financialaid/financial-tuition-fees-coaup.html for the estimated monthly living expenses in Singapore

STUDENT EMPLOYMENT
To help defray the cost of education and living, some students may choose to take on part-time employment. All full-time international undergraduate students will be allowed to engage in part-time employment, as long as they meet the Immigration & Checkpoints Authority's (ICA) stipulation of not exceeding 16 hours per week of employment during semester time. Please take note that there is no cap on the number of work hours during the University’s vacation periods.

For more information, visit nus.edu.sg/osa/iss.
NOTES

ENQUIRIES
Please log on to our website at www.askadmissions.nus.edu.sg for answers to most frequently asked questions on undergraduate admissions.

OUR OTHER CONTACT DETAILS ARE:
OFFICE OF ADMISSIONS
National University of Singapore
University Town (EduSports)
2 College Avenue West, #01-03
Singapore 138607
General Enquiries Line: 65 6516 1010
Fax: 65 6778 7570
www.nus.edu.sg/admissions/undergrad/

Photographs in this prospectus were contributed by various departments, faculties and schools
All information contained is correct at the time of printing in February 2013.

Updates, if any, will be posted on our website.
Co. Registration No. 200604346E