

Non-Graduating Non-Exchange (NGNE) Programme for Undergraduates





NUS





Century-Old Institution

Founded in **1905**, the National University of Singapore (NUS) is the oldest higher education institution in Singapore.



Top Research University

NUS is consistently ranked as one of the top 20 universities in the world and is **ranked 1st** in the Asia-Pacific region by QS World University Rankings 2023.



A Cultural Melting Pot

As the **8th most international** university* in the world, NUS has a total of 17 faculties and schools, 11 overseas colleges, 30 university-level research institutes and centres, with more than 40,000 students from **over 100 countries**.

*Cited from Times Higher Education The World's Most International Universities 2023

A photograph of the NUS School of Computing building, featuring a large glass facade reflecting the sky and trees. The text "NUS School of Computing" is visible on the glass. The building is surrounded by greenery and a large tree in the foreground.

SCHOOL OF COMPUTING



Department of **Computer Science**
Department of **Information Systems & Analytics**



250 Academic & Teaching Staff
220 Research Staff
180 Admin & Technical Staff



5,000+ Undergraduates
1,300+ Graduate students
900+ Masters students, **400+** PhD students

INTERNATIONAL RECOGNITION

TOP ASIAN UNIVERSITY IN COMPUTING

1st

IN ASIA

6th

IN THE WORLD

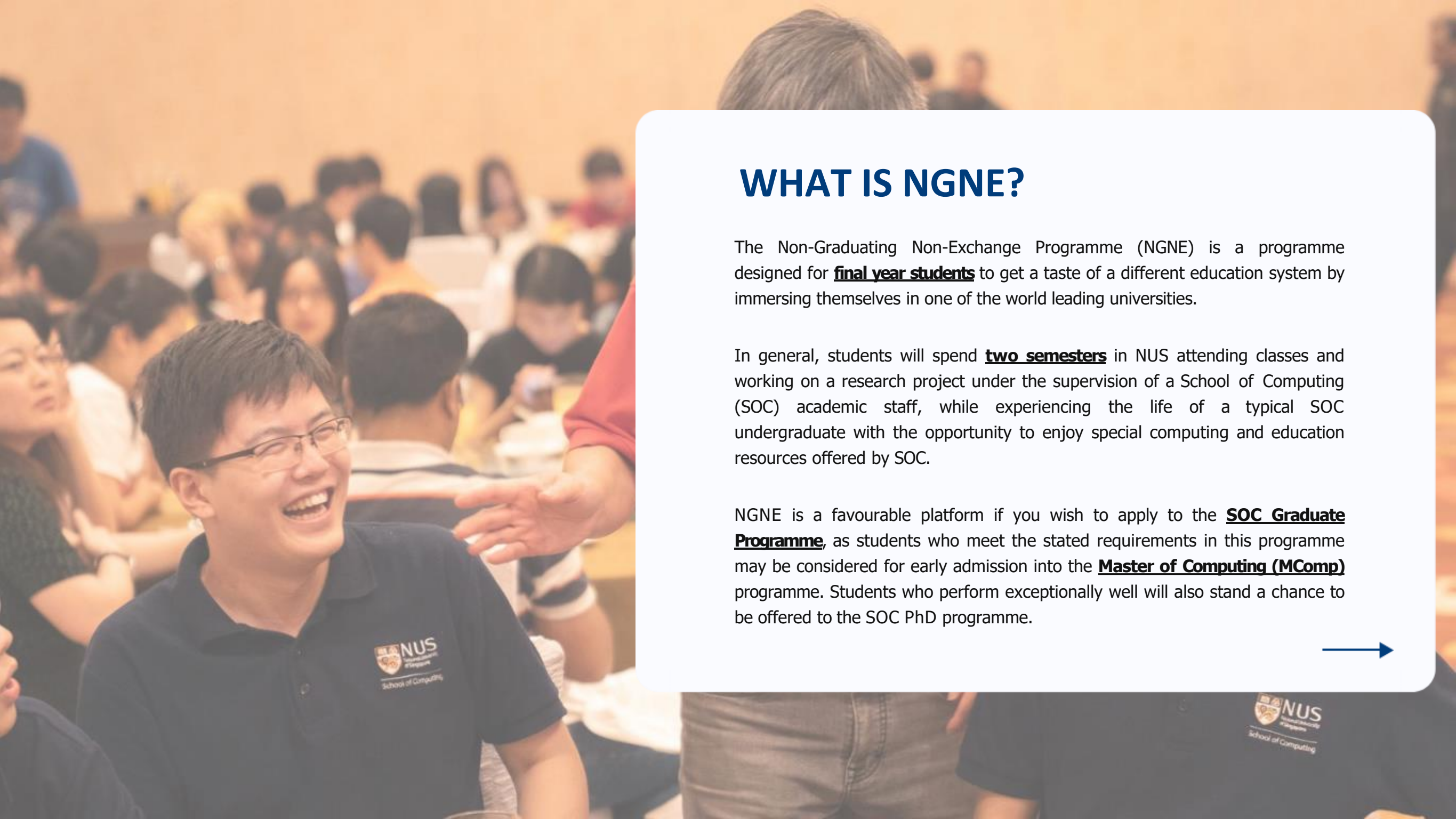
According to QS World University Rankings 2023 by subject:
Computer Science and Information Systems





01 PROGRAMME INTRODUCTION





WHAT IS NGNE?

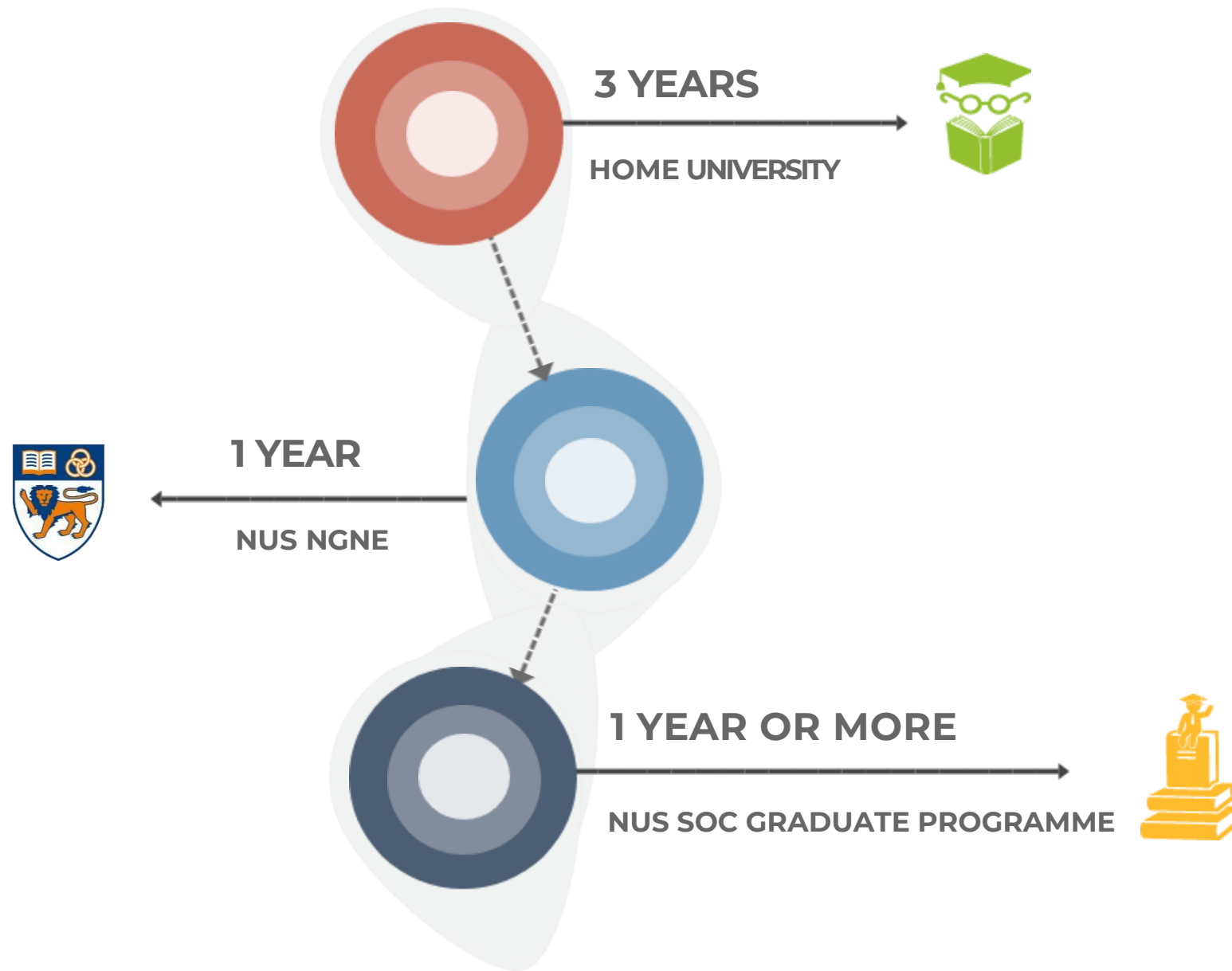
The Non-Graduating Non-Exchange Programme (NGNE) is a programme designed for **final year students** to get a taste of a different education system by immersing themselves in one of the world leading universities.

In general, students will spend **two semesters** in NUS attending classes and working on a research project under the supervision of a School of Computing (SOC) academic staff, while experiencing the life of a typical SOC undergraduate with the opportunity to enjoy special computing and education resources offered by SOC.

NGNE is a favourable platform if you wish to apply to the **SOC Graduate Programme**, as students who meet the stated requirements in this programme may be considered for early admission into the **Master of Computing (MComp)** programme. Students who perform exceptionally well will also stand a chance to be offered to the SOC PhD programme.



3 + 1 + X STRUCTURE



COMPLETION REQUIREMENTS FOR SEMESTER 1

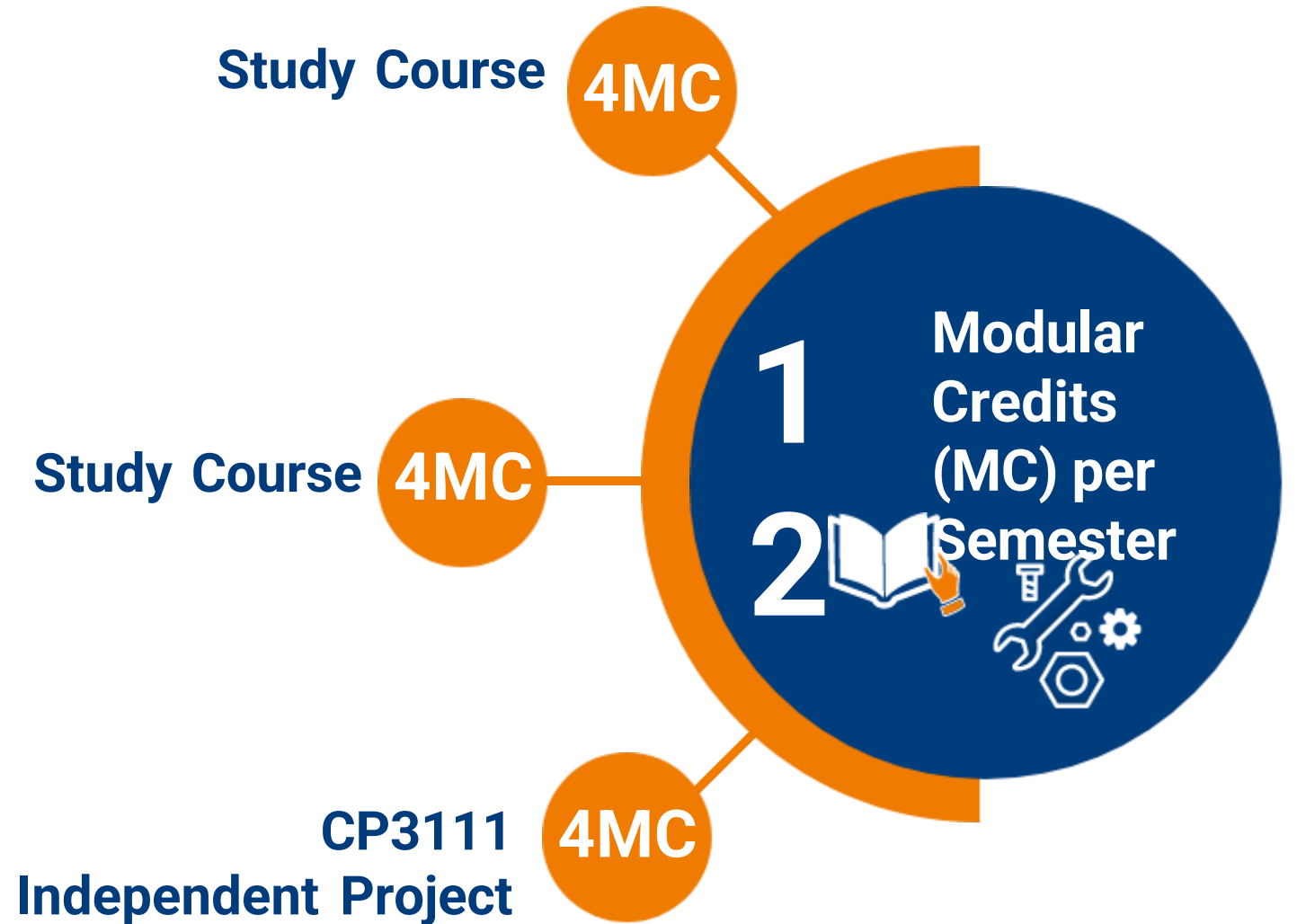
During the instructional period, enrolled students will complete 2 courses (4MC each) in addition to CP3111 Independent Project (4MC) within the semester.

- **Study Courses:**

- Complete 2 course, with at least one of them being a level-4000 course.
- Students are strongly encouraged to choose courses of level-3000 and above.

- **Research Project:**

- Each student will be working under the guidance of a NUS SOC professor to complete CP3111 Independent Project.



COMPLETION REQUIREMENTS FOR SEMESTER 2

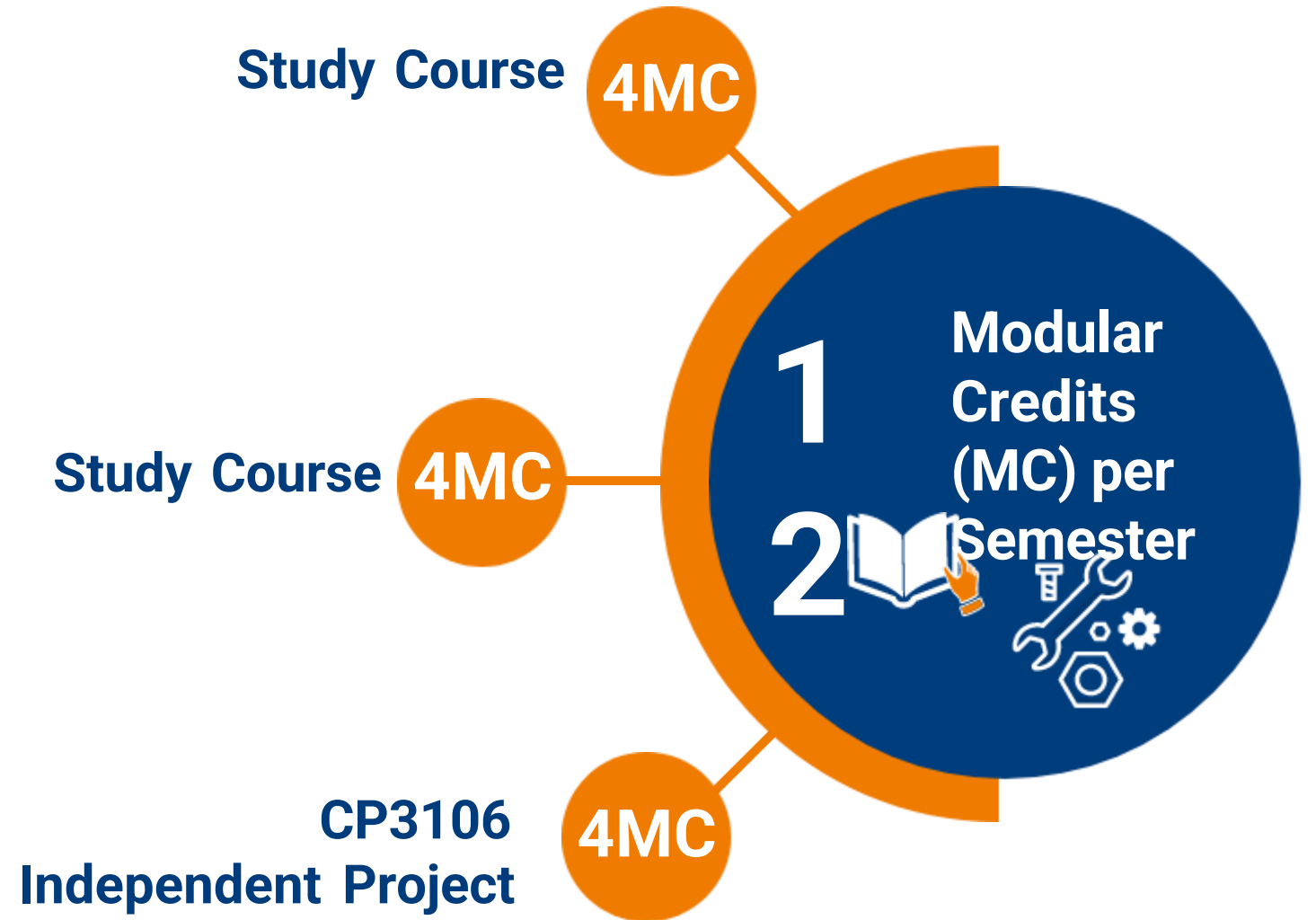
During the instructional period, enrolled students will complete 2 courses (4MC each) in addition to CP3106 Independent Project (4MC) within the semester.

- **Study Courses:**

- Complete 2 course, with at least one of them being a level-4000 course.
- Students are strongly encouraged to choose courses of level-3000 and above.

- **Research Project:**

- Each student will be working under the guidance of a NUS SOC professor to complete CP3106 Independent Project.



BENEFITS

Credit Transfer to MComp

In the Master of Computing (MComp) programme, students are allowed to take up to two level-4000 courses to fulfill credit requirement.

Unused credits from level-4000 courses taken in the NGNE programme can be used to fulfill the MComp credit requirement.

MC

Graduate Admission

Students who meet the stated requirements in the NGNE programme may be considered for early admission to MComp.

Students who perform exceptionally well will also stand a chance to be offered to the PhD programme.



Graduate Dissertation

Students who have worked on the Independent Project (CP3106) in NGNE also have the advantage to research further on the previously established topic as their Graduate Programme dissertation.



MASTER OF COMPUTING (MCOMP) ADMISSION REQUIREMENT

NGNE students who met all the requirements below may be considered for early admission to the Master of Computing (MComp) Programme:

1

All study courses
with grade
B+ or above

2

CP3111, CP3106
Independent Project
with grade
A- or above

NOTE:
An interview may be
conducted before a
decision to offer is
made.

MComp admission

Students who would like to be considered for early admission into MComp must complete CP3106 and obtain at least grade A- or above.

Working with an advisor

Each student will work with a professor as their advisor on a topic. Professors have different working styles. Some professors will propose a project to the student, while some would prefer students to work out the project scopes. In general, students can try to read and identify “gaps” in current research (i.e. missing link, interesting work that has not been done, or interesting problems not known beforehand) through extensive readings of literature to form a big picture on what can be done further.

Workload

Each week, students should spend around 4 days on the project.

Students should meet (either online or face-to-face if allowed) and discuss with the advisor for at least an hour each week.

CP3111 & CP3106 INDEPENDENT PROJECT

A PROJECT COURSE EQUIVALENT TO YOUR
GRADUATION PROJECT

TIMELINE – SEMESTER 1

Time	Activity
4 Mar – 22 Mar 2024	Submit application for Pre-Approval. Result will be given after one week of submission.
Before 1 Apr 2024	Student will receive Pre-Approval application outcome from NGNE coordinator.
Before 10 Apr 2024	Upon receiving Pre-Approval, submit official application via NUS online application portal. The NUS online application portal closes on 10 April.
Mid May	Work with NGNE coordinator to confirm courses to take.
Late May - Early June	Receive official offer from NUS Registrar's Office. Apply for on-campus accommodation OR source for off-campus accommodation.
Early July	Receive In-Principle Approval (IPA, used as entrance VISA and for application of Student's Pass) for entry to Singapore. Purchase air ticket.
Before 12 Aug 2024	Arrive in Singapore one week before start of semester, for registration.
12 Aug – 15 Nov 2024	Semester 1 instructional period (13 weeks + 2 recess/reading week). Each week, student should spend around 4 days on the project, 2 days on the courses, meet the advisor (either online or face-to-face) at least an hour or more. Students are to submit a draft report to both their advisor and another appointed evaluator before <u>15 November 2024.</u> On week of <u>16 November 2024</u> , there will be an evaluation session by the advisor and the appointed evaluator.
16 Nov - 7 Dec 2024	Course examination & project/report evaluation.
8 Dec – 12 Jan 2024	End of Semester 1. Vacation NUS SOC PhD Programme application deadline for Aug 2025 intake falls on <u>15 December 2024.</u> NUS SOC Master of Computing (MComp) application period for Aug 2025 intake is between Dec 2024 and Feb 2025*

*Please visit <https://www.comp.nus.edu.sg/programmes/pg/mcs/application/> for more information regarding the application.

TIMELINE – SEMESTER 2

Time	Activity
13 Jan – 18 Apr 2025	Semester 2 instructional period (13 weeks + 2 recess/reading week). Each week, student should spend around 4 days on the project, 2 days on the courses, meet the advisor (either online or face-to-face) at least an hour or more. Students are to submit a draft report to both their advisor and another appointed evaluator before <u>18 April 2025</u>. On week of <u>19 April 2025</u>, there will be an evaluation session by the advisor and the appointed evaluator.
19 Apr – 10 May 2025	Course examination & project/report evaluation.
11 May – 3 Aug 2025	End of Semester 2. Vacation. Return to home country NUS SOC PhD Programme application deadline for Jan 2026 intake falls on <u>15 June 2025</u> .
Jul – Aug 2025	NUS SOC Master of Computing (Mcomp) application period for Jan 2026 intake*
End July / Early Aug 2025	If successful in gaining admission to graduate programme, return to Singapore/NUS.

*Please visit <https://www.comp.nus.edu.sg/programmes/pg/mcs/application/> for more information regarding the application.

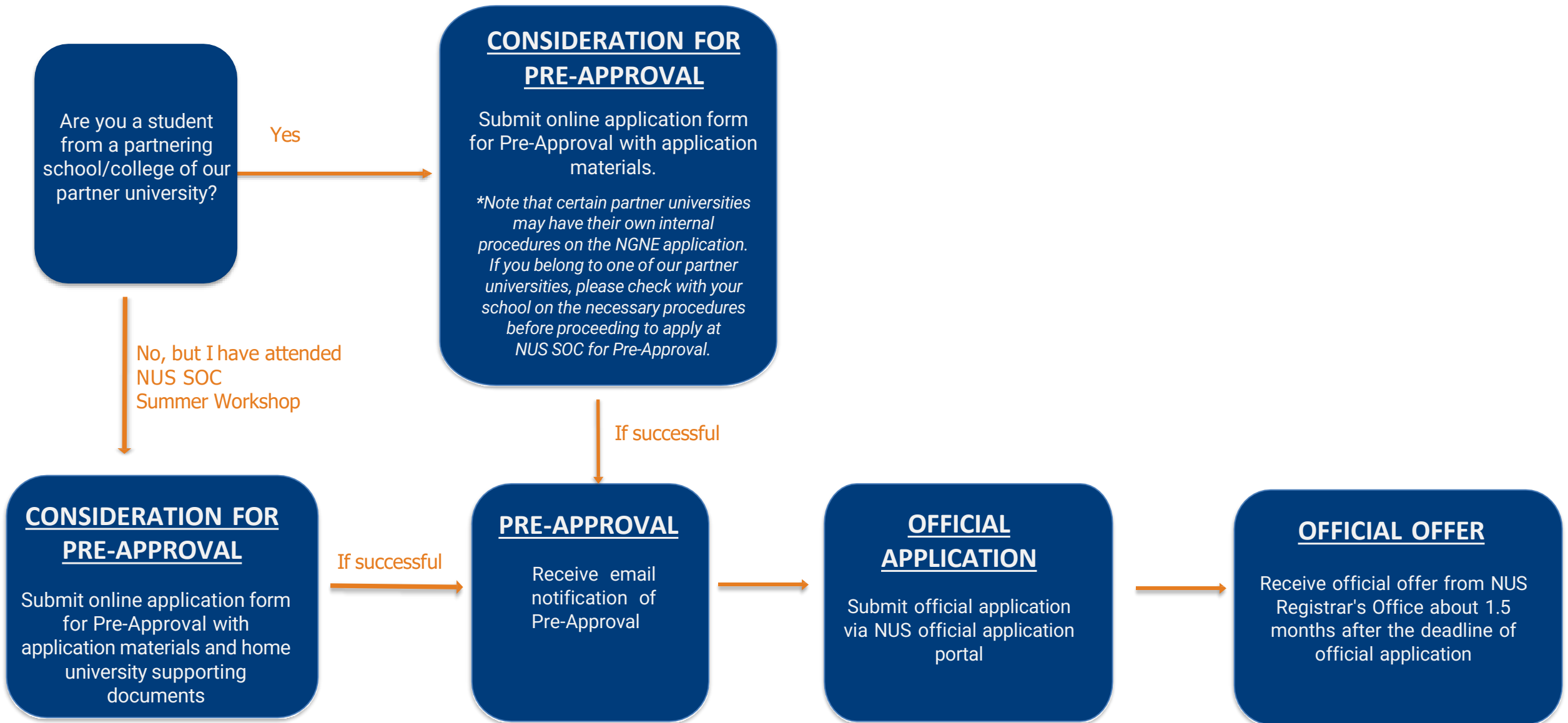


02 APPLICATION & PROGRAMME FEE

NGNE Pre-Approval Application Form

https://nus.sydney1.qualtrics.com/jfe/form/SV_cSafmai2HowgdbU

APPLICATION PROCESS



PRE-APPROVAL

SUPPORTING DOCUMENTS

Please submit the online application form for Pre-Approval before **22 March 2024** with the following supporting documents. Kindly combine all the documents into **one single pdf file**.

Note that you are only allowed to make **ONE** submission - no further amendments will be accepted once you have submitted the application form. As such, you are advised to check the documents thoroughly and carefully before clicking on the submit button. Applications with missing document(s) or information will not be considered since it will be treated as an incomplete application.

01 ACADEMIC TRANSCRIPT

- Latest academic transcript in English including explanation of grading system, with GPA/average score clearly stated
- If GPA/average score is not stated, you must provide an official certification of GPA/average score from your school

02 NUS SOC SUMMER WORKSHOP TRANSCRIPT

- Compulsory for students apply for NGNE January 2024 Intake and onwards

03 ENGLISH QUALIFICATIONS

- For applicants from non-English medium universities
- Provide a copy of a valid test score of any one of the following:
 - TOEFL
 - IELTS
 - CET6

04 CV / PS IN ENGLISH

- Compulsory for all applicants
- CV is important for project topic / advisor matching
- CV should outline your academic performance, awards and achievements, working / project experience, interest areas, future plans etc.

05 APPROVAL LETTER BY HOME UNIVERSITY

- Letter should state home university's approval for your participation in the NGNE programme if you are officially offered by NUS

06 CERTIFICATES OF AWARDS/ACHIEVEMENTS

- Optional - applicants may provide certificates of award or achievement which may support their application

CP3106: PREFERRED ADVISOR



In the Pre-Approval application, you will be asked to indicate your preferences regarding the professor you wish to work with on the CP3106 Independent Project.



You should provide **at least 6 preferences** for our consideration (you will only work with 1 ultimately – note that your preferences are only for our reference and there is no guarantee that you will always be assigned to an advisor of your preference).



Before you proceed to apply, you are advised to refer to the following links (look under "Regular Faculty Members") for the profile of SOC academic staff:

Computer Science:

<https://www.comp.nus.edu.sg/about/depts/cs/faculty/>

Information Systems and Analytics:

<https://www.comp.nus.edu.sg/about/depts/disa/faculty/>



OFFICIAL APPLICATION

SUPPORTING DOCUMENTS

If you are successful in the Pre-Approval stage, you will receive a [notification of Pre-Approval](#) via email, regardless of whether you are from a partner university. Note that you **MUST** receive Pre-Approval from NUS SOC before you can submit the official application at the NUS online application portal. Please submit the official application before [10 April 2024](#).

To proceed with the official application, please go to the [NUS Online Application Portal \(OAP\)](#). You will be asked to provide the following [required documents](#) during the official application:

01 PASSPORT

- Passport showing your particulars, with an expiry date that is valid until the completion of studies at NUS

02 ACADEMIC TRANSCRIPT

- Official Academic Transcript in English including grading explanation issued by the Home University
- The transcript must be endorsed with the university's seal and official signatory

03 CURRENT SEMESTER COURSES

- Provide a record of courses taken in current semester/term

04 STUDENT STATUS LETTER

- Student status letter from Home University indicating your expected graduation period (i.e. date, month and year) and current student status in the University

05 ENGLISH QUALIFICATIONS

- For applicants from non-English medium universities
- Provide a copy of a valid test score of any one of the following:
 - TOEFL
 - IELTS
 - CET6

06 FINANCIAL PROOF

- Documentary proof of financial support in English certifying financial ability to make payment for the Miscellaneous Student Fees (MSFs) and tuition fees for at least 3 modules for the intended study period.

OFFICIAL APPLICATION

SUPPORTING DOCUMENTS

If you are successful in the Pre-Approval stage, you will receive a notification of Pre-Approval via email, regardless of whether you are from a partner university. Note that you MUST receive Pre-Approval from NUS SoC before you can submit the official application at the NUS online application portal.

To proceed with the official application:

You may submit a **bank statement** (original, certified true copy or electronically generated statements will be accepted) OR a **certificate of deposit (存款证明) in English** issued by the bank as a proof that you (or your parent) have the stated amount in the bank account. If you are not the account holder indicated in the bank statement, attach another document stating your relationship with the account holder.

If you are studying in NUS for **two semesters**, the documentary proof of financial support should certify your financial ability to make payment for the Miscellaneous Student Fees (MSFs) and tuition fees for at least **6 courses**.

For actual rates of MSF and tuition fees, please refer to this [page](#).

To provide the following documents during the

01 PASSPORT

until the
NUS (

03 CURRENT SEMESTER COURSES

- Provide a record of courses taken in current semester/term

04 LETTER

- Student status letter from Home University indicating your expected graduation period (i.e. date, month and year) and current student status in the University

05 ENGLISH QUALIFICATIONS

- For applicants from non-medium universities
- Provide a copy of a valid test score of any one of the following:
 - TOEFL
 - IELTS
 - CET6

06 FINANCIAL PROOF

- Documentary proof of financial support in English certifying financial ability to make payment for the Miscellaneous Student Fees (MSFs) and tuition fees for at least 3 modules for the intended study period.

NGNE ESTIMATED EXPENSE

TUITION FEES (FOR 2 SEMESTERS)*

Course Fee (S\$3,917 x 6 courses)	~S\$23,502
Student Services Fee	~S\$79
Health Service Fee	~S\$84

**Click [here](#) to check the latest tuition fees.
Note that fees may be subject to revision from time to time.*

LIVING EXPENSE (PER MONTH)**

Estimated Living Expenses	~S\$1,500
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***Click [here](#) to take a look at a simple breakdown of the estimated living expenses.
Note that the costs have been derived based on a conservative estimate. The actual amount could be higher or lower depending on your expenditure and lifestyle patterns.*



03 GRADUATE PROGRAMMES

MASTER OF COMPUTING (MCOMP) ESTIMATED EXPENSE

TUITION FEES BY PROGRAMME

(excluding miscellaneous fees and tax)*

MComp Specialisations

Computer Science

Information Systems

Infocomm Security

Artificial Intelligence

S\$57,279.5

MComp General Track

S\$68,506.5

**Above tuition fees are subject to 9% GST (Goods & Services Tax).*

For more information on MComp, please visit this [page](#).

LIVING EXPENSE (PER YEAR)**

Estimated Living Expenses

~S\$18,000

***Click [here](#) to take a look at a simple breakdown of the estimated living expenses.*

Note that the costs have been derived based on a conservative estimate. The actual amount could be higher or lower depending on your expenditure and lifestyle patterns.

PHD PROGRAMME

Students with outstanding performance in NGNE may stand a chance to be offered to NUS SOC PhD Programme should they apply to the PhD programme.

For more information on our PhD programmes, please refer to:

PhD in Computer Science:

<https://www.comp.nus.edu.sg/programmes/pg/phdcs>

PhD in Information Systems:

<https://www.comp.nus.edu.sg/programmes/pg/phdis/>



Research scholarships are available for PhD Programme on a competitive-basis to all full-time students who meet the minimum criteria.



Scholarship holders will enjoy **full tuition fee subsidy** with a **monthly allowance of SGD2,200** for PhD Programme.



Scholars will be awarded an **additional top-up of S\$500 per month** (for two years) during their PhD candidature upon passing the PhD Qualifying Examination (QE), which is renewable each semester subject to performance.



TESTIMONIAL

“ I think the NGNE programme is very helpful. I have experienced the educational environment in a different country. It is very difficult to know what to do at first, for example, I do not know what tutorials are, but gradually I can get used to it. Besides, my supervisor is very nice. She and her students gave me many suggestions on my project. The weekly meeting helps me to correct my mistakes during my research. The coronavirus causes a lot of trouble at the end of the programme, for example, it is difficult to return to China. However, the NUS and NGNE programme staff provide us a lot of assistance during such hard times. Therefore, I think it is very wonderful. ”

Participant from Zhejiang University

“ I would like to thank NUS SOC for giving me the opportunity to attend the NGNE programme. Although it was difficult to adapt to the workload at first, I did feel that my professional skills and psychological ability have both improved a lot in the end because of the top-class learning experience and the excellent academic resources provided here. Since I participate in the NGNE programme, I've always had an idea about joining the MComp programme, and regard it as a goal. The experience and gains of this semester strengthen my idea even more. I will always be thankful for this experience and all the help from teachers, staff and classmates. ”

Participant from Sichuan University

“ My supervisor was Prof Leong and we worked on a project about dynamic decision making and reinforcement learning on a robot simulation platform. It aims to design a high-level language which allows the users to specify their problem and automatically build a mathematical model and then solve the problem. The topic is very abstract for me at the beginning, but with the guidance of Prof Leong, I successfully understood its meaning, realized the target interface and applied RL algorithms onto the target platform. ”

Prof Leong and everyone in her group are very nice! We arranged group meetings every week, in which we shared the papers read recently, the progress of our projects and new research results with each other. These experiences helped me improve my research ability and I have to say thank you to everyone!

Since this is a special period, it's difficult to return to my home country, so I applied to Prof Leong for an internship this summer and she agrees. It's very happy to have more time with the group and do some related research work here. ”

Participant from Xi'an Jiaotong University

“ I have had a wonderful time with Professor Teo, and I would like to express my sincere appreciation to him. From the determination of the project theme, to the daily research and study, and finally to the revision of the report, Prof Teo took countless time to give me careful guidance and continued support from all aspects. Professor Teo's rigorous attitude in scientific research deeply affected me, which I think I will enjoy the benefit all my life. ”

Participant from University of Electronic Science and Technology of China

CONTACT US

Contact



Official Website

<https://www.comp.nus.edu.sg/~ngne/>



Official Email

ngne@comp.nus.edu.sg

Other Relevant Pages

NGNE Pre-Approval Application Form

https://nus.syd1.qualtrics.com/jfe/form/SV_cSafmai2HowgdbU

NUS Online Application Portal (For NGNE Official Application)

<https://myapplications.nus.edu.sg/>

NUS SOC Graduate Programmes

<https://www.comp.nus.edu.sg/programmes/#graduate>