



NUS
National University
of Singapore

Computing

NON-GRADUATING NON-EXCHANGE PROGRAMME (NGNE)

3.5 + 0.5 + 1 (MComp /PhD)

www.comp.nus.edu.sg/~ngne/



National University of Singapore (NUS)

NUS School of Computing (SoC)

NGNE (3.5+0.5+1)

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National University of Singapore



Founded in **1905**, the National University of Singapore (NUS) is a world leading autonomous research university in Singapore.



As a century-old university, NUS is ranked consistently as one of the top universities in the Times Higher Education World University Rankings and QS World University Rankings.



NUS has a total of 17 faculties and schools, 8 overseas colleges, 1 research institute, with more than 30,000 students from more than 100 countries.

NUS Campus



School of Computing

The School of Computing (SoC), established in 1998, is ranked **10th** in the world, and **1st** in Asia, in the field of computer science and information systems, based on the QS World University Ranking 2018.



Classroom



Laboratory

- ◆ Departments
 - Computer Science
 - Information Systems and Analytics
- ◆ Staff
 - 109 (Teaching)
 - 118 (Research)
- ◆ Student
 - 2300 (Undergraduate)
 - 280 (PhD)
 - 320 (Masters)

Website:
www.comp.nus.edu.sg

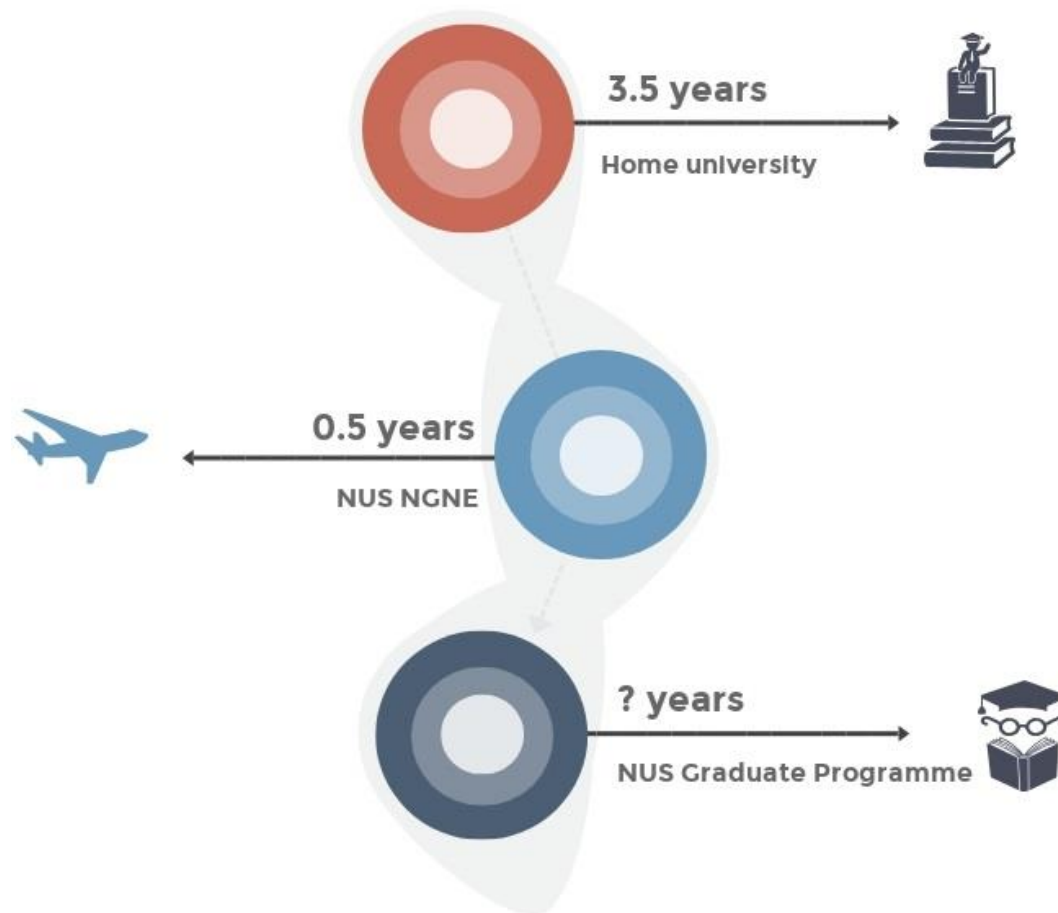
NGNE Programme

3.5 + 0.5 + 1 (MComp /PhD)

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

Duration	Semester 1: August – December OR Semester 2: January – May
Place	National University of Singapore, School of Computing
Merits	<ol style="list-style-type: none">1. Utilization of Credits Level-4000 modules taken in the NGNE programme can be used to fulfill MComp credit requirement2. Admission to Master Programme, opportunity to PhD Programme Students who meet certain requirements in NGNE programme will be given prior offer to Master Programme; students perform exceptionally well in NGNE stand a chance to be offered to the PhD programme3. Graduate Programme Dissertation Students could extend their Independent Project topic as their Graduate Programme dissertation.

NGNE (3.5+0.5+?)



Application

- ❖ Prior to NUS application - Partner universities conduct internal selections (pre-consideration)
 - ✓ SoC will work with partner universities to determine the list of participating students
- ❖ Students attended 2018/2019 Summer Workshop, from non partner universities can directly apply and submit application materials to ngne@comp.nus.edu.sg for pre-approval.
- ❖ Receive notification of pre-approval if successful in internal selections or direct application.
- ❖ Submit NUS online application after receiving pre-approval <https://myapplications.nus.edu.sg/>

Application Document

- ❖ Students should submit softcopy of the following materials in one PDF file to ngne@comp.nus.edu.sg for pre-consideration **before 18 September** :

1.	Recent passport-sized photo
2.	Photocopy of passport page
3.	Academic transcript (including grading explanation/remarks) with English translation
4.	CV in English
5.	English qualifications (CET6, TOEFL or IELTS)
6.	Student Status Letter (Approve Letter) from home university

- ❖ After receiving Offer, students should submit online application at NUS NGNE webpage (<https://myapplications.nus.edu.sg/>), print out **the completed online application form**, together with **all the documents listed above**, plus a **documentary proof of bank statement in English** with student's name (with approximately 80,000 RMB in the bank account) in hard copies to NUS Registrar's Office by post **before 1 October**.

Document checklist: <http://101.96.10.64/www.nus.edu.sg/registrar/info/ng/NGCheckList.pdf>

About the CV

- ❖ CV is allimportant for pre-consideration
- ❖ NGNE coordinator will assign Independent Project topics based on students' CV
- ❖ CV should include:
 - ✓ Academic performance, English proficiency level, any awards and achievements
 - ✓ Working/project experience
 - ✓ Interests
 - ✓ Future plans
 - ✓ Others

January Intake

Timeline	
Before 1 Oct 2019	Pre-approval and On-line submission of application
15 Oct 2019	Submit all hardcopy material to NUS Registrar Office.
Mid Nov 2019	Work with Prof TanTS to confirm supervisor & courses to take. Work with supervisor on project details.
Mid Nov 2019	Official offer to NGNE program. Apply for on-campus accommodation.
Early Dec 2019	Receive In-principle Approval to come SG. Purchase air ticket.
Early January 2020	Arrive SG early Jan and start class
15 March 2020	MComp application deadline
25 April – 9 May 2020	Course examination & Project/report evaluation (supervisor + reviewer).
Mid May 2020	Interview for graduate programs, and can return to China
End July 2020	If successful in gaining admission to graduate programs, return to Singapore/NUS

August Intake

Timeline	
Before 15 April 2019	Pre-approval and online submission of application
1 May 2019	Submit all hardcopy material to NUS Registrar Office.
Mid May 2019	Work with NGNE coordinator to confirm supervisor & courses to take. Work with supervisor on project details.
Mid June 2019	Official offer to NGNE program. Apply for on-campus accommodation.
Early July 2019	Receive In-principle Approval to come SG. Purchase air ticket.
Early August 2019	Arrive SG early Jan and start class
23 November to 7 December 2019	Course examination & Project/report evaluation (supervisor + reviewer).
Early December 2019	Return to home country
15 March 2020	MComp application deadline
Mid May 2020	Interview for Graduate Programme (if any)
End July 2020	If successful in gaining admission to graduate programs, return to Singapore/NUS

Requirement of Completion

<http://www.nus.edu.sg/registrar/info/ng/NG-Modules.pdf>

❖ August intake

- ✓ Complete 3 elective modules with at least one level-4000 module OR
- ✓ Complete 2 elective modules with at least one level-4000 module in addition to an Independent Project module (CP3106)

❖ January intake

- ✓ Complete 2 elective modules with at least one level-4000 module
- ✓ Independent Project module (CP3106)

Note: Students are advised to opt for modules of level-3000 and above. Students are also advised to choose a few more additional modules as reserves.

Available Modules

<http://www.nus.edu.sg/registrar/info/ng/NG-Modules.pdf>

Module Code	Module Title	Module Code	Module Title
CS2010	Data Structures and Algorithms II	CS2040	Data Structures and Algorithms
CS2100	Computer Organisation	CS2102	Database Systems
CS2103	Software Engineering	CS2105	Introduction to Computer Networks
CS2106	Introduction to Operating Systems	CS2107	Introduction to Information Security
CS2108	Introduction to Media Computing	CS2113	Software Engineering & Object-Oriented Programming
CS3211	Parallel and Concurrent Programming	CS3223	Database Systems Implementation
CS3230	Design and Analysis of Algorithms	CS3234	Logic and Formal Systems
CS3235	Computer Security	CS3236	Introduction to Information Theory
CS3240	Interaction Design	CS3242	3D Modeling and Animation
CS3243	Introduction to Artificial Intelligence	CS3244	Machine Learning
CS3245	Information Retrieval	CS3237	Game Development

The final list of modules offered will be based on the actual conditions of the semester and is subject to change

Available Modules

<http://www.nus.edu.sg/registrar/info/ng/NG-Modules.pdf>

Module Code	Module Title	Module Code	Module Title
CS5330	Randomized Algorithms	CS5331	Web Security
CS5332	Biometric Authentication	CS5346	Information Visualization
CS5421	Database Applications Design and Tuning	CS5422	Wireless Networking
CS5425	Big Data Systems for Data Science	IS3221	Enterprise Resource Planning Systems
IS3251	Principles of Technology Entrepreneurship	IS4241	Social Media Network Analysis
IS4243	Information Systems Consulting	IS4250	Healthcare IT and Alaytics
IS4261	Designing IT-enabled Business Innovations	IS5004	Enterprise Architecture
IS5110	Software Project Management	IS5111	IT Strategy and Govenance
IS5114	Global IT Project and Vendor Management	IS5116	Digital Entrepreneurship
IS5128	Digital Innovation	IS5151	Information Security Policy and Management
IS5152	Decision Making Technologies	IS5451	Pervasive Technology Solutions and Development

The final list of modules offered will be based on the actual conditions of the semester and is subject to change

CP3106 : Project

-To be considered for home university graduation requirement too (equivalent to final year project)

-Below are supervisors for 2019 intake (they are likely to take some students for 2020):

(See their profiles at: <https://www.comp.nus.edu.sg/about/faculty/>)

Chan Chee Yong (DB)	Chang Ee Chien (Cybersecurity)	Chin Wei Ngan (Computer Language)
Huang Ke-Wei (NLP, Analytic)	Kan Min Yen (Machine Learning)	Khoo Siau Cheng (Computer Language)
Ben Leong (Network)	Leong Hon Wai (Algorithm, Big Data)	Leow Wee Kheng (Image Processing)
Low Kok Lim (Graphics)	Richard Ma (Reinforcement Learning)	Danny Poo (Analytic)
Abhik Roychoudhury (Software)	Terence Sim (Vision)	Soo Yuen Jien (Robotic)
Ken Sung (Computational Biology)	Tan Tiow Seng (GPU, Geometric Algorithm)	Tay Yong Chiang (Network, DB)
Teo Yong Meng (Architecture, parallel)	Wong Weng Fai (GPU, Neural Network)	Xiao Xiaokui (DB) Zhao Shengdong (HCI)

Graduate Programme

NGNE students who met the following requirements can apply directly to the SoC Master of Computing Programme (Mcomp):

	Requirements
Students opting for CP3106	1) Two electives with grade B+ or above 2) One Independent Project (CP3106) with grade A- or above
Students not opting for CP3106	Three electives with grade B+ or above

MComp: <http://www.comp.nus.edu.sg/programmes/pg/mcs/>

NGNE Estimated Expense

❖ Tuition fees (excluding miscellaneous fees)

SoC standard fee per module: SGD3,820

3 modules = SGD11,460

Latest tuition fees:

<http://www.nus.edu.sg/registrar/education-at-nus/non-graduating-programme.html#l4>

❖ Estimated living expense (including accommodation):

SGD1,000 per month

5 months in Singapore: around SGD5,000

Estimated living expense:

<http://www.nus.edu.sg/oam/apply-to-nus/before-you-apply/estimated-expenses>

MComp Estimated Expense

❖ Tuition fees (excluding miscellaneous fees)

Full-time tuition fee per annum (AY2018/2019): SGD36,500

Part-time tuition fee per annum (AY2018/2019): SGD18,250

<http://www.nus.edu.sg/registrar/info/gd/GDTuitionCurrent.pdf>

❖ Estimated living expense (including accommodation):

SGD1,000 per month

~ 1 year in Singapore : SGD12,000

MComp: <http://www.comp.nus.edu.sg/programmes/pg/mcs/>

*Subject to change without prior notice

PhD Programme

- ❖ Full scholarships are offered for PhD Programme
- ❖ No need to pay tuition fees, with at least SGD2,000 allowance per month
- ❖ Estimated living expense (including accommodation): SGD1,000 per month

*Subject to change without prior notice

Useful Links

❖ NGNE information

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

<http://www.nus.edu.sg/registrar/education-at-nus/non-graduating-programme.html>

<http://www.nus.edu.sg/registrar/info/ng/General-Instructions-for-Application-to-NUS-NG-Programme.pdf>

❖ Module List (for all faculties)

<http://www.nus.edu.sg/registrar/info/ng/NG-Modules.pdf>

❖ Online Application Portal

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

❖ Requirements of Photograph

<http://www.nus.edu.sg/registrar/info/info/Requirements-of-Photograph-for-Online-Submission.pdf>

❖ Master/PhD Tuition Fees

<http://www.nus.edu.sg/registrar/info/gd/GDTuitionCurrent.pdf>



Thank you!

