

1. You are advised to read the instructions for courses registration posted in STARS. Please refer to STARS for the schedule of registration.
2. Students are only allowed to register for courses up to their **Normal Load** during their scheduled course registration day (during **both** their scheduled timeslot and between 5pm to 10pm on the same day). To register more than Normal Load, students would only be able to do so during the Add/Drop period. Please refer to the table below for the normal and maximum load requirement for your year of study.

Programme	Study Years	Normal Load	Maximum Load
MACS	Year 1-2	22	22
MACS	Year 3-4	19	22

*ICC courses will be system-allocated for year 1 and 2 as per standard study plan after main registration (by 22 July 2026); Freshmen starting their studies in August 2026 will be allocated courses.

3. If you wish to read a course that will exceed your maximum load, you can apply online through this link: <https://raspberry.spms.ntu.edu.sg/overload/apply/default.aspx>. Please note that approval is granted to a specific course that you wish to overload.

Overload Applications: 22 Jun 2026 to 16 Aug 2026

4. The following compulsory courses are to be read during Semester 1 AY 2026/2027 (subject to pre-requisites).
5. Please refer to URL for the most updated MACS course curriculum – <https://www.ntu.edu.sg/spms/about-us/mathematics/undergrad/degree-programmes>

MACS Year 1 (U26)			
Course Code	Course Title	Course Type	Course AU
SC1003/SC1001	Introduction to Computational Thinking & Programming	Core	To be confirmed
SC1005	Digital Logic	Core	3
MH1100	Calculus I	Core	4
MH1200	Linear Algebra I	Core	4
MH1300	Foundations of Mathematics	Core	4
CC0006	Sustainability: Society, Economy & Environment	ICC-Core	3

MACS Year 2 (U25)			
Course Code	Course Title	Course Type	Course AU
SC2001	Algorithm Design and Analysis	Core	3
SC2002	Object Oriented Design & Programming	Core	3
SC2005	Operating Systems	Core	3
MH2100	Calculus III	Core	4
MH2500	Probability and Introduction to Statistics	Core	4
ML0004	Career Design & Workplace Readiness in the V.U.C.A World	ICC Core	2

MACS Year 3 (U24)			
Course Code	Course Title	Course Type	Course AU
HW0218	Communication Around the Sciences	ICC Core	2

MACS Year 4 (U23)			
Course Code	Course Title	Course Type	Course AU
MH4900/SC4079	Final Year Project	Core	8

The following **GER-core courses** are no longer offered. Replacement course (if applicable) is indicated next to the respective course. Please email SPMSUndgrad@ntu.edu.sg if you need to take the replacement course **after** registering for Core and/or Major-PE courses.

Course Code & Course Title	Replacement Course (if applicable)
HW0128 Scientific Communication I	CC0001 Inquiry and Communication in an Interdisciplinary Word
HW0228 Scientific Communication II	HW0218 Communication Across the Sciences
GC0001 Sustainability: Seeing Through the Haze	To be confirmed; check with SPMSUndgrad

The following Major-PE courses are offered for AY26 Semester 1:

Course Code	Course Title	Course AU	Specialization Check Curriculum Website
MH3100	Real Analysis I	4	-
MH3101	Complex Analysis	4	-
MH3210	Number Theory	4	Cryptography and Cybersecurity
MH3220	Algebra II	4	Cryptography and Cybersecurity
MH3300	Graph Theory	4	Theoretical Computer Science
MH3510	Regression Analysis	4	Data Science; Financial Modelling
MH3512	Stochastic Processes	4	Financial Modelling
MH3520	Mathematics of Deep Learning	4	-
MH3702	Geometric Methods in Mathematical Physics	4	-
MH4310	Coding Theory	4	Theoretical Computer Science; Cryptography and Cybersecurity
MH4311	Cryptography	4	Theoretical Computer Science; Cryptography and Cybersecurity
MH4320	Computational Economics	4	-
MH4510	Statistical Learning and Data Mining	4	Data Science; Financial Modelling
MH4511	Sampling & Survey	4	Data Science
MH4513	Survival Analysis	4	Data Science
MH4514	Financial Mathematics	4	Financial Modelling
MH4521	Reinforcement Learning	4	-
MH4700	Numerical Analysis II	4	-

The following Special Topics Courses are offered for AY26 Semester 1. **Registration is subject to approval.** Please refer to the following application links for further information. Application closes on Sunday 19 July 2026 (2359h).

- MH4930 Application Link: <https://forms.cloud.microsoft/r/7MiBKcXFGw>
- MH4931 Application Link: <https://forms.cloud.microsoft/r/MSFwuZqn2Q>
- MH4932 Application Link: <https://forms.cloud.microsoft/r/2YbSMDbvTP>

Special Topics Courses Offered				
Course Code	Course Title	Course Type	Pre-requisite(s)	Course AU
MH4930	Special Topics in Mathematics	BDE	MH1100 & MH1101	4
MH4931	Special Topics in Applied Mathematics	BDE	MH1201 & MH2500 & MH3100 & MH3600	4
MH4932	Special Topics in Statistics	BDE	MH2500 & MH1201 & MH3100 & MH3500	4

6. You are allowed to read higher level courses if you have met the pre-requisites and there are vacancies available. Pre-requisites may also be met through exemptions.
7. The locations of the Mathematics Labs are as follows:

Mathematics Lab	Location
COMP LAB 1	SPMS-MAS-03-02
COMP LAB 2	SPMS-MAS-03-03
COMP LAB 3	SPMS-MAS-03-04

8. Students who are interested may apply to take graduate courses as BDE. A minimum CGPA of 4.00 is required for the application. Graduate course information may be found from <https://www.ntu.edu.sg/spms/about-us/mathematics/grad/course-info>. The following graduate course is offered in AY2026 Semester 1. Please note that application is subject to approval.

Course Code	Course Title
MH7002	Discrete Methods <i>Previously listed as MAS711</i> Application Link: https://forms.cloud.microsoft/r/q9CCEjFVSp

9. Students with Admission Year 2026 who are intending to take up higher level courses whereby the prerequisites are fulfilled through exemptions are to write in to SPMSUndgrad@ntu.edu.sg. Exemptions will only be updated after add/drop period and will only be reflected at the end of the semester, together with semester results release.

10. Students who have taken courses as pre-requisites during exchange programme in the current Semester, please submit your waiver request via the Online Waiver Application using this link: <https://walnut.spms.ntu.edu.sg/waiver/student/default.aspx> . Please upload a copy of the course mapping details and a copy of your exchange transcript (if any) in pdf format in your application.

Phase 1 applications: 29 May 2026 to 14 Jun 2026

Phase 2 applications: 1 Aug 2026 to 16 Aug 2026

11. Enquiries on curriculum may be directed to :
- SPMSundgrad@ntu.edu.sg (Mathematics courses)
12. Enquiries on courses registration may be directed to SPMSundgrad@ntu.edu.sg. Your matriculation number must always be included in your e-mail. Please refrain from sending multiple similar e-mails as this will not expedite the response but rather it will cause undue delay. All enquiries will be attended to and will be replied as soon as possible, depending on the nature of the request. Appeals for GER-PE and UE/BDE vacancies are to be submitted through the online appeal system and they will not be responded to if otherwise.
13. Enquiries on network performance, Studentlink password or STARS PIN may be directed to NSS Service Desk using the IT Service Desk Form below:
<https://www.ntu.edu.sg/life-at-ntu/internet-account-and-policy/service-desk-form>