

1. You are advised to read the instruction to courses registration posted in STARS. Please refer to STARS for the schedule of registration.
2. The normal load is 19 AU and the maximum load is 22 AU. **When you are registering a course that will exceed your normal load, you can only do so after 5pm on your course registration day.** 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.
3. The following courses are to be read during Semester 1 AY 2021/2022 (subject to pre-requisites). Students who are admitted in 2021 will have their core courses allocated during the online matriculation.
4. Please refer to URL for MACS course curriculum – <https://www.ntu.edu.sg/spms/about-us/mathematics/undergrad/degree-programmes>

| MACS Year 1 (U21) |                                                                    |              |           |
|-------------------|--------------------------------------------------------------------|--------------|-----------|
| Course Code       | Course Title                                                       | Course Type  | Course AU |
| SC1003            | Introduction to Computational Thinking and Programming             | Core         | 3         |
| SC1005            | Digital Logic                                                      | Core         | 3         |
| MH1100            | Calculus I                                                         | Core         | 4         |
| MH1200            | Linear Algebra I                                                   | Core         | 4         |
| MH1300            | Foundations of Mathematics                                         | Core         | 4         |
| CC0003            | Ethics & Civics in a Multi-Cultural World                          | ICC (U-Core) | 2         |
| CC0002            | Navigating the Digital World                                       | ICC (U-Core) | 2         |
| HW0001            | Introduction to Academic Communication (For students who fail QET) |              | 0         |

#Applicable to AY21 students onwards

| MACS Year 2 |                                            |             |           |
|-------------|--------------------------------------------|-------------|-----------|
| Course Code | Course Title                               | Course Type | Course AU |
| CZ2001      | Algorithms                                 | Core        | 3         |
| CZ2002      | Object Oriented Design & Programming       | Core        | 3         |
| CZ2003      | Computer Graphics and Visualisation        | Core        | 3         |
| MH2100      | Calculus III                               | Core        | 4         |
| MH2500      | Probability and Introduction to Statistics | Core        | 4         |
| ML0003      | Kickstart your Career Success              | GER Core    | 1         |
| PS8001      | Defence Science                            | GER Core    | 3         |
| PS0003      | Plan your Career Path                      | GER Core    | 1         |

| MACS Year 3 |                                |             |           |
|-------------|--------------------------------|-------------|-----------|
| Course Code | Course Title                   | Course Type | Course AU |
| CZ3001      | Advanced Computer Architecture | Core        | 3         |
| CZ3002      | Advanced Software Engineering  | Core        | 3         |
| CZ3006      | Net Centric Computing          | Core        | 3         |
| ET0001      | Enterprise & Innovation        | GER Core    | 1         |
| HY0001      | Ethics & Moral Reasoning       | GER Core    | 1         |

5. You are allowed to read higher level courses provided that you have met the pre-requisites and there are vacancies available. Pre-requisites may also be met through exemptions.

6. The locations of the Mathematics Labs are as follow.

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

7. Students with Admission Year 2021 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](mailto: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.
8. Students who have taken SM2 courses previously and received a minimum of B+ grade in Calculus I and Calculus II respectively will be granted exemptions to MH1100 (Calculus I) and MH1101 (Calculus II) respectively.
9. 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.
10. Enquiries on curriculum may be directed to :
- Mr Chris Kee ([kbkee@ntu.edu.sg](mailto:kbkee@ntu.edu.sg))
11. Enquiries on courses registration may be directed to [SPMSundgrad@ntu.edu.sg](mailto: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 vacancies are to be submitted through the online appeal system and they will not be responded to if otherwise.
12. 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>