

1. You are advised to read the instructions to courses registration posted in STARS. Please refer to STARS for the schedule of registration.
2. **The normal load is 17 AU and the maximum load is 20 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: <http://spms-appserver5.staff.main.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 available during Semester 1 AY 2020/21 (subject to meeting pre-requisites). Students admitted in 2020 will have their core courses allocated during the online matriculation.

| CHEM Year 1 | | | |
|-------------|---|-------------|-----------|
| Course Code | Course Title | Course Type | Course AU |
| CM1021 | Basic Inorganic Chemistry with Laboratory | Core | 4 |
| CM1031 | Basic Organic Chemistry with Laboratory | Core | 4 |
| MH1802 | Calculus for the Sciences | Core | 4 |
| PH1801 | Foundations of Physics I | Core | 3 |
| *ML0001 | Absolute Basics for Career | GER-CORE | 1 |
| #PS0001 | Introduction to Computational Thinking | GER-CORE | 3 |
| HW0001 | Introduction to Academic Communication (for students who failed QET in Semester 2 or failed HW0001 in Semester 1) | | 0 |

*Applicable to AY14 to AY17 students

#Applicable to AY18 students onwards

| CHEM Year 2 | | | |
|---------------------|---|-------------|-----------|
| Course Code | Course Title | Course Type | Course AU |
| CM2011 | Analytical Chemistry | Core | 3 |
| CM2021 [^] | Inorganic and Bioinorganic Chemistry | Core | 3 |
| CM2031 [^] | Organic and Bioorganic Chemistry | Core | 3 |
| CM2061 | Chemistry & Biological Chemistry Laboratory 1 | Core | 3 |
| PS8001 | Defense Science | GER-CORE | 3 |
| PS0003 | Plan your Career Path | GER-CORE | 1 |

[^]Repeated module offered in AY20/21

| CHEM Year 3 | | | |
|---------------------|---|--------------------|------------------|
| Course Code | Course Title | Course Type | Course AU |
| CM3011 [^] | Chemical Spectroscopy and Applications | Core | 3 |
| CM3021 [^] | Organometallic Chemistry | Core | 3 |
| CM3031 [^] | Organic Reaction Mechanisms and Synthesis | Core | 3 |
| CM3041 [^] | Physical and Biophysical Chemistry 2 | Core | 3 |
| CM3062 | Chemistry & Biological Chemistry Laboratory 4 | Core | 3 |

[^]Repeated module offered in AY20/21

| CHEM Major PE | | | |
|----------------------|---|--------------------|------------------|
| Course Code | Course Title | Course Type | Course AU |
| CM4012 | Structural Determination | Major PE | 3 |
| CM4013 | Current Topics in Analytical Chemistry | Major PE | 3 |
| CM4014 | Nanoscience & Nanotechnology | Major PE | 3 |
| CM4016 | Pharmaceutical Chemistry | Major PE | 3 |
| CM4017 | Biomedical Imaging and Sensing | Major PE | 3 |
| CM4043 | Molecular Modelling: Principles and Applications | Major PE | 3 |
| CM4044 | Artificial Intelligence in Chemistry | Major PE | 3 |
| CM4071 | Honours Project 1 (for student admitted before AY16) | Major PE | 12 |
| CM4078 | Honours Project 1 (for student admitted AY16 and onwards) | Major PE | 11 |
| CM4072 | Professional Internship (for student admitted before AY16) | Major PE | 12 |
| CM4079 | Professional Internship (for student admitted AY16 and onwards) | Major PE | 11 |
| CM4073 | Honours Project 2 | Major PE | 3 |

Please note that the repeated modules are independent of the lab modules, e.g., students who are enrolled in CM2031 do not necessarily have to enroll in CM2061. Due to limited class capacity, the course registration is based on first-come-first-serve basis in personalized course registration time.

- Students with Admission Year 2020 who are not allocated with Core Courses after they matriculate online may write in to SPMSUndgrad@ntu.edu.sg.
- For students who have opted CM4071 Honours Project 1, CM4072 Industrial Internship and CM4073 Honours Project 2 in the application period last semester, the course should be registered to you by 21 Aug 2020. Please contact the school (SPMSundgrad@ntu.edu.sg) if you have internship placement or Final Year Project placement but the course have not registered to you by mentioned date.
- Pre-requisite Waiver/Timetable Clash Waiver: You are allowed to read higher level courses provided that you have met the pre-requisites and there are vacancies available. All the student will receive pre-requisite/timetable clash waiver application email from the school (SPMSundgrad@ntu.edu.sg). Please

check your NTU email regularly for more details. 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 matching details and a copy of your exchange transcript (if any) in pdf format in your application.

7. Exemptions: Students admitted in 2020 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 in the exemption period. 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. Any exemption request after exemption period will not be accepted.

8. 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 |

9. The following UE are also offered in Semester 1 AY 2020/21.

| Course Code | Course Title | Course AU |
|---------------|---|-----------|
| CM8002/CM8022 | Forensic Science / Applications of Forensic Science | 3/1 |
| CM9081 | Medicinal Chemistry | 3 |
| CM9092 | Polymer Chemistry | 3 |
| CM9101 | Food Chemistry and Nutrition | 3 |
| *CM9001 | Conceptual Chemistry with laboratory | 4 |

* For students with exemption from year 1 CHEM courses.

10. Students who have taken courses as pre-requisites during exchange programme in the current semester, please write in to SPMSundgrad@ntu.edu.sg with your course mapping approval, screenshot of registered courses in the overseas university and results slip/transcript (if available).

11. Enquiries on curriculum may be directed to :

- Ms Koo Shin Yi, Janice (sykoo@ntu.edu.sg)

12. Enquiries on course 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 to 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 will not be responded to or considered if submitted otherwise.

13. Enquiries on network performance, Studentlink password or STARS PIN may be directed to NSS Service Desk using IT Service Desk Form below: <https://www.ntu.edu.sg/AboutNTU/contactntu/Pages/servicedesk.aspx>."