

**SCHOOL OF MATERIALS SCIENCE AND ENGINEERING**  
**MS6088 Professional Attachment Programme**  
**Course Information Guide (AY2026-2027 Semester 2)**

**Course Overview**

|                    |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Code/Title  | : MS6088 Professional Attachment Programme                                                                                                     |
| Academic Units     | : 3 AU                                                                                                                                         |
| Grading            | : Pass/Fail (non-letter graded)                                                                                                                |
| Course Coordinator | : Dr Feng Xiaolei (for MSc in Materials Science and Engineering students)<br>Prof Chen Zhong (for MSc in Applied Materials Analytics students) |

The MS6088 Professional Attachment Programme is a postgraduate elective course offered to Master of Science (Coursework) students at the School of Materials Science and Engineering (MSE). The course provides structured experiential learning through a supervised internship or industrial attachment in a professional engineering, research, or industry environment.

MS6088 enables students to apply knowledge acquired through their postgraduate studies to real-world technical challenges while developing professional judgement, communication skills, and industry awareness. Through participation in authentic professional settings, students gain practical experience in applying materials science and engineering principles to address industry and research needs.

The internship provides exposure to industry practices, workplace challenges, multidisciplinary collaboration, and professional decision-making processes. Through this experience, students develop a deeper understanding of the relationship between academic knowledge and professional practice, thereby facilitating their transition into industry or research careers.

Students who successfully complete MS6088 will earn 3 AU, which count towards the graduation requirements of their Coursework programme. The course is graded on a pass/fail basis and does not contribute to the computation of the student's Cumulative Grade Point Average (CGPA).

**Course Objectives**

Upon successful completion of MS6088, students will be able to:

1. Define and scope a technical problem encountered in a professional environment and establish appropriate objectives.
2. Evaluate practical constraints and justify suitable engineering approaches using materials science principles.
3. Analyse outcomes and propose improvements or alternative solutions based on evidence.
4. Communicate technical reasoning and recommendations effectively through written reports and oral presentations.

## **Course Eligibility**

MS6088 Professional Attachment Programme is offered on an application basis. Students applying to be registered for the elective course must satisfy all the following requirements:

*Note: Meeting the eligibility requirements does not guarantee approval for registration in the course. All applications will be evaluated holistically based on the student's eligibility, academic standing, and the suitability of the proposed internship.*

| <b>S/N</b> | <b>Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>   | <b>Full-time Master of Science (Coursework) student at MSE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>2</b>   | <b>Completed at least one semester of study</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>3</b>   | <b>Enrolled under the Coursework-only study option</b><br><i>Note: Students enrolled under the Coursework and Dissertation study option are not allowed to apply.</i>                                                                                                                                                                                                                                                                                                                                                                |
| <b>4</b>   | <b>Has good academic standing (TGPA or CGPA is not less than 2.50 in the latest semester)</b><br><i>Note: Students with a TGPA or CGPA of less than 3.00 in the latest semester are strongly discouraged from applying and are advised to focus on improving their academic performance.</i>                                                                                                                                                                                                                                         |
| <b>5</b>   | <b>In the semester of registration for MS6088, the student is not registered for more than 6 AU of core and/or elective courses in addition to MS6088.</b><br><i>Note: Students approved to register for MS6088 will not be able to graduate within the minimum candidature period of two semesters. Students are strongly encouraged to complete 27 AU of core and/or elective courses within their first two semesters and register for MS6088 in their third semester to fulfil the programme's 30 AU graduation requirement.</i> |

### **Schedule of Course Activities (AY2026-2027 Semester 2)**

| Activity                                | Period/Deadline                   | Action by          |
|-----------------------------------------|-----------------------------------|--------------------|
| Secure Internship Placement             | Aug 2026 to Oct 2026              | Student            |
| Official Application Period             | 1 Nov 2026 to 3 Dec 2026          | Student            |
| Review of Applications                  | 7 Dec 2026 to 31 Dec 2026         | Course Coordinator |
| Release of Application Outcome          | 4 Jan 2027                        | School             |
| Official Internship Period              | 11 Jan 2027 to 16 Apr 2027        | Student            |
| Submit Detailed Training Programme Form | 22 January 2027 (teaching week 2) | Student            |
| Submit Mid-Term Report                  | 26 Feb 2027 (teaching week 7)     | Student            |
| Submit Final Report                     | 9 Apr 2027 (teaching week 12)     | Student            |
| Oral Presentation                       | 16 Apr 2027 (teaching week 13)    | Student            |

### **Before Application: Secure Internship Placement**

Students applying for registration in MS6088 are required to self-source and secure a **full-time** internship placement before submitting their application. Applications without a confirmed internship offer will not be considered.

The internship may be with a company based in Singapore or overseas. Students who accept an overseas internship that requires them to travel outside Singapore are strongly encouraged to purchase personal travel insurance for the entire duration of their internship.

The scope of the internship should be related to the field of Materials Science and Engineering or to any of the [School's research areas](#). The internship should provide you with opportunities to apply the knowledge and skills acquired through our programme to real-world situations.

### **Company Eligibility**

The company must have a physical office where the student is required to carry out the internship. Remote internships are not permitted. In addition, the company must meet the following eligibility criteria set by NTU:

1. Valid ACRA UEN code (registered company)
2. At least 2 years of operation
3. Paid-up capital above \$10,000
4. Have 5 full-time employees or more
5. At least 1 full-time staff with relevant competencies to supervise and assess students
6. Clear and relevant learning outcomes
7. Proper office setup
8. No independent financial organisations/insurance agencies that require certification or license

## **Official Internship Period**

The company must offer an internship placement that **covers the entire official internship period**:

|                                                                |                                                                               |
|----------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Official Internship Period<br/>(AY2026-2027 Semester 2)</b> | 11 Jan 2027 to 16 Apr 2027<br>(teaching weeks 1 to 13, including recess week) |
|----------------------------------------------------------------|-------------------------------------------------------------------------------|

- Students may secure an internship that starts before and/or ends after the official internship period. However, any work conducted outside this period will be considered vacation work and will not count towards the MS6088 course requirements.
- The course assessment submission deadlines will not be extended for students whose internships extend beyond the official internship period. All students are required to complete all course assessments by the end of the official internship period.

## **Application: Submission of Documents**

The application window for registration in MS6088 for AY2026-2027 Semester 2 is as follows:

|                                                                 |                          |
|-----------------------------------------------------------------|--------------------------|
| <b>Official Application Period<br/>(AY2026-2027 Semester 2)</b> | 1 Nov 2026 to 3 Dec 2026 |
|-----------------------------------------------------------------|--------------------------|

- Applications must be submitted within the stipulated period. Late or incomplete submissions will not be accepted.
- Students should apply only if they intend to be registered for MS6088 in AY2026-2027 Semester 2. For applications relating to other semesters, please await the official announcement of the respective official application periods.
- Students must adhere to the official application timeline and may only submit their applications for registration in MS6088 during the official application period. To ensure fairness to all applicants, applications will be reviewed only after the application period has closed. Early review will not be granted, even if the internship commences before the application outcome is released.

## **Application Guidelines**

1. After securing an internship offer, download the MS6088 Self-Sourced Internship Application Form for AY2026-2027 Semester 2.

**CLICK HERE TO DOWNLOAD APPLICATION FORM**

[https://www.ntu.edu.sg/media/docs/librariesprovider121/mse-postgraduates/ms6088-self-sourced-internship-application-form-\(ay2026-2027-semester-2\).docx](https://www.ntu.edu.sg/media/docs/librariesprovider121/mse-postgraduates/ms6088-self-sourced-internship-application-form-(ay2026-2027-semester-2).docx)

2. Liaise with the Company's Internship Coordinator or HR representative to complete all sections of the application form.
3. Submit the **completed application form** and **internship offer letter** via the MS6088 Online Application Portal for AY2026-2027 Semester 2.

**CLICK HERE TO SUBMIT APPLICATION**

<https://forms.cloud.microsoft/r/j8HKueYXkD>

4. Incomplete applications and applications submitted by email will not be accepted.

### **After Application: Application Review and Outcome Release**

All applications will be reviewed by the Course Coordinator and assessed holistically based on, but not limited to, the following criteria:

1. It is relevant to the student's discipline of study (MSE-related industries).
2. It accommodates NTU's internship periods.
3. It caters to NTU's internship duration requirement.
4. It provides sufficient structure and rigour that will enable students to achieve the intended learning outcomes.
5. It provides the appropriate workload for the stipulated internship period.
6. It enhances the career prospects of the student.
7. The internship workplace is safe and conducive for student learning and development.
8. The internship workplace is equipped with the necessary tools and resources for the internship work.
9. The internship organisation has standing policies to safeguard the welfare of interns.
10. The internship organisation supervisor possesses the competencies, experience, and commitment to provide guidance to the students.

### **Application Outcome**

Students will be notified of the outcome of their application for registration in MS6088 (AY2026-2027 Semester 2) via their NTU email by **4 Jan 2027**.

- Successful applicants may proceed to commence the internship in accordance with the approved internship offer.
- The selection process is competitive. Submission of an application does not guarantee registration in MS6088.
- Students whose applications are unsuccessful are not allowed to commence the internship on a full-time basis while registered as a full-time student in AY2026-2027 Semester 2.

## **Course Assessment Structure**

| <b>Assessment</b>                                                                                                                                                                                                                                                                                                                                                                  | <b>Submission Deadline</b>        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b><u>Mid-Term Report (30%)</u></b><br>The Mid-Term Report evaluates the student's initial progress in the internship. Students are required to describe their assigned responsibilities, work undertaken to date, and alignment with the internship objectives. The report should also identify any challenges encountered and outline plans for the remaining internship period. | 26 Feb 2027<br>(teaching week 7)  |
| <b><u>Final Report (40%)</u></b><br>The Final Report provides a comprehensive account of the student's professional contributions and learning outcomes. Students are expected to demonstrate technical competence, critical analysis of their work, and reflection on how the internship experience integrates with their academic training and professional development.         | 9 Apr 2027<br>(teaching week 12)  |
| <b><u>Oral Presentation (30%)</u></b><br>Students will deliver an oral presentation at the end of the internship period. The presentation should summarise the scope of work, key contributions, outcomes achieved, and lessons learned. Students will be assessed on clarity, depth of understanding, and ability to respond to questions from the assessment panel.              | 16 Apr 2027<br>(teaching week 13) |

### **Report Format & Plagiarism Check**

The Mid-Term Report and Final Report must be submitted in accordance with the formatting requirements prescribed by the School. Reports that do not comply with the prescribed format will not be accepted. The report templates will be made available for download via NTULearn.

All reports must be screened using Turnitin for similarity against published works. The similarity index must not exceed 20%. Submissions exceeding the 20% threshold will be rejected.

### **Course Grading**

MS6088 is graded on a pass/fail basis and does not contribute to the computation of the student's Cumulative Grade Point Average (CGPA).

A student will receive a failing grade if he/she:

- Fails to complete the internship during the official internship period. Students with valid justifications may apply for withdrawal from the programme to avoid a fail grade, subject to approval by the Associate Chair (Graduate).
- Did not submit or complete any required assessment component by the stipulated deadline.

## **Course Withdrawal**

Upon successful registration in MS6088, students are required to complete the internship and all assessment components within the official internship period. Failure to do so will result in an “F” grade for the course.

Students may request to withdraw from MS6088 due to valid and compelling reasons, subject to approval by the Associate Chair (Graduate). Requests based on non-substantive reasons (e.g. loss of interest in the internship) will not be accepted. All withdrawal requests must comply with the course withdrawal guidelines as published on the School’s Course Registration webpage.

Students who do not formally withdraw from the course and subsequently fail to complete the internship and assessment components will be deemed to have failed the course. An “F” grade will be reflected in the official academic transcript and all relevant academic records.

Students will remain liable for tuition fees for MS6088, regardless of withdrawal or failure status.

## **Course Feedback**

Students shall be provided with ongoing feedback during the internship on their progress and performance:

| <b>Feedback Interaction</b>              | <b>Recommended Frequency</b>                      |
|------------------------------------------|---------------------------------------------------|
| Company and Student                      | Weekly                                            |
| Course Coordinator and Student           | Monthly (including Mid-Term Report feedback)      |
| Company and Course Coordinator           | As Needed                                         |
| Company, Course Coordinator, and Student | At least 1 structured session (Oral Presentation) |

*\*The feedback frequency may be adjusted based on project needs and student performance.*