

SCHOOL OF MATERIALS SCIENCE AND ENGINEERING
 COURSE REGISTRATION INFORMATION FOR **DOCTOR OF PHILOSOPHY (MSE)**

	Coursework Requirement	Requirement for Qualifying Examination
<p>Programme Coursework Requirements</p>	<p>All PhD students must complete 18 academic units (AU) of courses and achieve a minimum CGPA of 3.50 (for non-NPGS recipients) or 4.00 (for NPGS recipients).</p> <p>At least 9 AUs of completed courses must be letter graded. AUs earned from course exemptions, exchange credit transfers, pass/fail courses, and undergraduate-level courses are ungraded.</p> <p>At least 9 AUs of completed courses must be offered by schools from the College of Engineering (including MSE).</p>	<p>Yes</p>
<p>English Course</p>	<p>All full-time international PhD students who attained their qualifications from non-English medium universities must complete HWG703 Graduate English in their first semester of study.</p> <p>Students who do not fall under the category above (including Singaporean, Singapore PR, and part-time students) will be exempted from the course. GRE, TOEFL or IELTS test scores are not accepted as a basis for exemption.</p> <p>The AU earned from the English course will NOT be counted towards the AU required to fulfil the programme coursework requirements.</p>	<p>Yes (if not exempted)</p>
<p>Co-Curricular Learning Core (CCL-Core) Courses</p>	<p>All PhD students must complete the following CCL-Core courses:</p> <ul style="list-style-type: none"> • SLKC01 Anti-Harassment at our Workplace • ERWA01 Epiguem Research Integrity Course <p>Students will be pre-registered to the courses in their first semester of study.</p> <p>The AU earned from the CCL-Core courses will NOT be counted towards the AU required to fulfil the programme coursework requirements.</p>	<p>Yes</p>

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Postgraduate Research Interdisciplinary Collaborative Core (PGR-ICC) Course	<p>All PhD students (admitted in AY2024-2025 and beyond) must complete GP8000 Artificial Intelligence Literacy.</p> <p>Students will be pre-registered to the course in their first semester of study.</p> <p>The AU earned from the PGR-ICC course will NOT be counted towards the AU required to fulfil the programme coursework requirements.</p>	Yes
Teaching Assistant Course	<p>All full-time PhD students must complete HWG702 University Teaching for Teaching Assistants. Students must have completed (or be exempted from) HWG703 Graduate English before reading the course.</p> <p>Students will be pre-registered to the course in their second semester of study (or the following semester after completing HWG703 Graduate English).</p> <p>The AU earned from the teaching assistant course will NOT be counted towards the AU required to fulfil the programme coursework requirements.</p>	Yes
Communication Course	<p>All PhD students must complete one of the following communication courses before thesis submission:</p> <ul style="list-style-type: none"> • MS8001 Graduate Communication Course OR • HWG704 Research Communication for Graduate Studies <p>The AU earned from the communication course will NOT be counted towards the AU required to fulfil the programme coursework requirements.</p>	No (to be completed before thesis submission)

Coursework Requirements for PhD Qualifying Examination (QE)

- All PhD students must complete all coursework requirements for PhD QE before they are allowed to sit for the examination.
- All PhD students must pass the PhD QE **by their 24th month of candidature**. For students funded by NTU Research Scholarship:
 - The monthly stipend will only be increased after they have passed the PhD QE.
 - The monthly stipend payout will be suspended if they fail to pass the PhD QE by their 24th month of candidature.