

# Mechanical Engineering

AY2024 cohort

Accurate as of May 2024

E-Scholars 3-years schedule (ME)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I (4 units. It is mapped to MA1511 which is 2 units, + 2 units to UE)			4
CS1010E Programming Methodology			4
<b>Sub-total</b>			<b>12</b>
Semester 1		Semester 2	
ME2102 Engineering Innovation and Modelling	4	GEA1000 Quantitative Reasoning	4
ME1102 Engineering Principles and Practice I	4	DTK1234 Design Thinking	4
MA1512 Differential Equations for Engineering	2	EE2211 Introduction to Machine Learning	4
MA1513 Linear Algebra with Differential Equations	2	PF1101 Fundamentals of Project Management	4
UTCP #1	4	ME2104 Engineering Principles and Practice II	4
UE	4	ME2134 Fluid Mechanics I	4
UE	4	UTCP #2	4
<b>Sub-total</b>	<b>24</b>	<b>Sub-total</b>	<b>28</b>
Semester 3		Semester 4	
ME2162 Manufacturing Processes	4	NUS Overseas College (NOC) experience (20 units)*	20
ME2121 Engineering Thermodynamics and Heat Transfer	4		
ME2142 Feedback Control System	4		
ME2112 Strength of Materials	4		
UTCP #3	4		
UE (or IE2141 if not staying at RC4)	4		
<b>Sub-total</b>	<b>24</b>	<b>Sub-total</b>	<b>20</b>
Semester 5		Semester 6	
ME4101A B.Eng Dissertation OR ME4101B Mechanical Systems Design	4	ME4101A B.Eng Dissertation OR ME4101B Mechanical Systems Design	4
ME2115 Mechanics of Machines	4	Technical Elective	4
UTCP #4	4	CDE2000 Creating Narratives	4
UE	4	CDE2501 Liveable Cities	4
UE	4	UE	4
UE	4	UE	4
UE*	2	UE	2
<b>Sub-total</b>	<b>26</b>	<b>Sub-total</b>	<b>26</b>
			<b>Grand total 199</b>

Notes:

1. If APT courses are not cleared, those courses must be cleared during the normal semesters

2. Important rules for NOC:

- You MUST be on campus the semester BEFORE going to NOC.
- You MUST have cleared at least 70 units before applying to NOC

3. \*If not embarking on NOC, alternate module combinations to fulfil Industrial Attachment requirement (10 units) include:

- EG3611A Industrial Attachment (10 units)
- EG3612 Vacation Industrial Attachment (6 units) + EG2605 Undergraduate Research Opportunity (4 units)
- EG3612 Vacation Industrial Attachment (6 units) + CFG2101 NUS Vacation Internship Programme (4 units) Note that EG3612 and EG3611A can be done as long as you have cleared 60 units.
- EG2401A Engineering Professionalism (2 Units)

Note that UROP (EG2605) may be taken in any regular semester or special term as long as you are at seniority 2.

4. If you wish to read Common Curriculum courses before your department's recommended semester, please submit an appeal or select the cours

- courses that may be selected from Round 2: PF1101, CDE2501, ES2631 (if not doing UTCP)

- courses that require appeal: EG2401A, DTK1234, GEA1000, EG1311, CDE2000, EE2211, IE2141 (if not staying in RC4) Please refer to the CDE common curriculum wiki for more info on common course pre-allocation and registration issues.

<https://wiki.nus.edu.sg/display/eng/Pre-allocation+and+Registration+for+Common+Courses+in+CDE>