Graduation Requirement Checklist for
Bachelor of Engineering (Honours) in Mechanical Engineering (84062 & 84063) *(2023/24 Cohort)*

To be eligible to graduate from the programme *Bachelor of Engineering (Honours) in Mechanical Engineering*, students should fulfil all the requirements listed in Sections I to IV below.

For your own checking, you may put a "✓" in the appropriate boxes for the requirements that you have fulfilled. For details of the graduation requirements, please refer to the Programme Requirement Document.

(I) General University Requirements (GUR) [Minimum 9 credits]

- **Language and Communication Requirements (LCR) [0-9 credits]**
  (Students who have met the equivalent standard of the undergraduate degree LCR on admission are not required to take these subjects. Please refer to the email sent to you before programme commencement stipulating the LCR subjects you are required to take.)

  ☐ LCS1087 English for Academic Studies I
  ☐ LCS1088 English for Academic Studies II

  ☐ LCS1107 Chinese Communication for College Students (Cantonese Version) *OR*
  ☐ LCS1108 Chinese Communication for College Students (Putonghua Version) *OR*
  ☐ LCS1092 Elementary Chinese *(for non-Chinese speaking students)*

- **Cluster Area Requirements (CAR) [6 credits]**

  ☐ One subject in the cluster area of "Chinese History and Culture" (cluster M) with embedded Chinese Reading and Writing Requirements

  ☐ One English language subject in the cluster area of "Human Nature, Relations and Development" (cluster A) with embedded English Reading and Writing Requirements

- **Service-Learning (SL)/ Free Elective [3 credits]**

  ☐ One SL/ free elective subject
  (Prior to the full implementation of SL, full-time students may take a 3-credit free elective subject in lieu of SL. SL subjects are not available for part-time students and they are required to take a 3-credit free elective subject.)

- **Essential Components of General Education [non-credit bearing]**

  ☐ SEHS1116 Essential Components of General Education (4 e-modules)
  - Online Tutorial on Academic Integrity (OTAI)
  - National Education (NE)
  - Artificial Intelligence and Data Analytics (AIDA)
  - Innovation and Entrepreneurship (IE)

  OR

  ☐ SEHS1117 Essential Components of General Education (2 e-modules)
  (for students who have been exempted to take OTAI and NE)
  - Artificial Intelligence and Data Analytics (AIDA)
  - Innovation and Entrepreneurship (IE)

(II) Discipline-Specific Requirements (DSR)

- **Foundation Subjects (up to 4 subjects)** *(These are for students without sufficient relevant knowledge in mechanical engineering only. Please refer to the Notice of Offer for the subjects you are required to take.)*

☐ SEHS2339 Fundamental Mathematics
☐ SEHS2345 Fundamental Engineering Mechanics
☐ SEHS2356 Fundamental Electrical Engineering
☐ SEHS2359 Fundamental Computing in Engineering

- **Compulsory Subjects (all 14 subjects)**

☐ LCS3307 Professional Communication in Chinese*
☐ LCS3308 Professional Communication in English
☐ SEHS2340 Mathematics II
☐ SEHS3301 Design and Manufacturing
☐ SEHS3302 Dynamics and Vibrations
☐ SEHS3303 Engineering Thermodynamics
☐ SEHS3304 Fluid Mechanics
☐ SEHS3305 Linear Systems and Control
☐ SEHS3306 Mechanics of Materials
☐ SEHS4610 Engineering Management
☐ SEHS4611 Final Year Capstone Project
☐ SEHS4612 Numerical Methods for Engineers
☐ SEHS4613 Society and the Engineer
☐ SEHS4620 Advanced Materials for Design and Technology

* *Non-Chinese speakers who have been granted exemption on the Chinese requirements are required to take a DSR elective subject as a replacement subject.*

- **Elective Subjects (any 4 subjects)**

☐ BHMS4711 Innovation and Entrepreneurship
☐ SEHS4614 Aerodynamics
☐ SEHS4615 Aircraft and Spacecraft Propulsion
☐ SEHS4616 Aircraft Performance and Flight Management
☐ SEHS4617 Aircraft Structure and Engineering Composites
☐ SEHS4618 Aircraft Systems
☐ SEHS4621 Artificial Intelligence in Products
☐ SEHS4622 Automatic Control Systems
☐ SEHS4624 Fundamentals of Robotics
☐ SEHS4625 Industrial Automation
☐ SEHS4626 Air Conditioning for Indoor Thermal and Environmental Quality
☐ SEHS4627 Combustion and Pollution Control
☐ SEHS4628 Environmental Noise
☐ SEHS4629 Fluids Engineering
☐ SEHS4659 Intelligent Buildings
☐ SEHS4672 Product Testing Technology
☐ SEHS4673 Heat and Mass Transfer

- **Practical Training Subject (1 subject)**

☐ SEHS3310 Multidisciplinary Manufacturing Project

(III) Work-Integrated Education (WIE) *(Part-time students are not required to complete the WIE.)*

☐ Completed 80 hours of WIE

(IV) Other Requirement

☐ Attained a cumulative Grade Point Average (GPA) of 1.70 or above at the end of the programme

August 2022