

**Bachelor of Engineering (Industrial & Systems Engineering)****Recommended Semester Schedule for FDDP Students (Cohorts AY2024/2025 onwards)**

<b>Semester 1</b>	<b>Units</b>	<b>Semester 2</b>	<b>Units</b>
CS1010E Programming Methodology	4	ST2334 Probability and Statistics	4
DTK1234 Design Thinking	4	EG1311 Design and Make	4
GE (Cultres and Connections)	4	IE2141 Systems Thinking and Dynamics	4
IE1111R Industrial & Systems Engineering Principles & Practice I <sup>#</sup>	4	IE2111 Industrial & Systems Engineering Principles & Practice II	4
GE (Singapore Studies)	4	PF1101 Fundamentals of Project Management	4
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>20</b>
<b>Semester 3</b>	<b>Units</b>	<b>Semester 4</b>	<b>Units</b>
CDE2000 Creating Narratives	4	CDE2501 Liveable Cities	4
IE2110 Operations Research I	4	EE2211 Introduction to Machine Learning	4
EG2401A Engineering Professionalism	2	IE2100 Probability Models with Applications	4
IE3101 Statistics for Engineering Applications	4	ES2631 Critique and Communication of Thinking and Design	4
IE3110R Simulation	4	GE (Communities and Engagmenet)	4
CS2040 Data Structures and Algorithms	4		
<b>Sub-total</b>	<b>22</b>	<b>Sub-total</b>	<b>20</b>

# Double counted to fullfil both the major requirement and data literacy