

## Sri Lanka Institute of Information Technology

SLIIT-WSU Pathway 1 of 4

## Study Plan: Engineering Technology – Mechatronics Technology

SLIIT Freshmen – 1st Semester (20 Credits)	Hours
Completion of GCE A-Level Certificate in Physics	5
CE 1010 Engineering Mechanics	3
EC 1020 Electrical Systems	4
MA 1300 Engineering Mathematics I	5
EL 1200 English Language Skills I (after passing English Exit Exam at WSU)	3
SLIIT Freshmen – 2 <sup>nd</sup> Semester (20 Credits)	Hours
ME 1030 Engineering Skills Development	3
ME 1010 & ME 1040 Engineering Design &	3+3
Process/ Engineering Principles & Communication	TE*
MT 1010 Engineering Materials	3
MA 1310 Engineering Mathematics II	5
EL 1210 English Language Skills II	3
(after passing English Exit Exam at WSU)	3
SLIIT Sophomore – 1st Semester (16 Credits)	Hours
CE 2710 Fluid Mechanics	3
ME 2020 Mechanics of Machines I	3
ME 2030 Engineering Drawing	3
MA 2300 Engineering Mathematics III	3
CS 101E Intro Programming Environment	
(C++/UNIX)	4
SLIIT Sophomore – 2 <sup>nd</sup> Semester (16 Credits)	Hours
ME 2040 Thermodynamics	3
ME 2050 Mechanical Design I	3

SLIIT-WSU Pathway 3 of 4

## **Study Plan: Industrial Engineering**

SLIIT Freshmen – 1st Semester (14 Credits)	Hours
Completion of GCE A-Level Certificate in Economics	3+3 TE*
MA 1300 Engineering Mathematics I	5
EL 1200 English Language Skills I (after passing English Exit Exam at WSU)	3
SLIIT Freshmen – 2 <sup>nd</sup> Semester (14 Credits)	Hours
ME 1030 Engineering Skills Development	3
MT 1010 Engineering Materials	3
MA 1310 Engineering Mathematics II	5
EL 1210 English Language Skills II (after passing English Exit Exam at WSU)	3
SLIIT Sophomore – 1st Semester (12 Credits)	Hours
MATH 101B Probability & Statistics	4
ME 2030 Engineering Drawing	3
CS 101E Intro Programming Environment (C++/UNIX)	4
BM 2070 Leadership and Teamwork	1
SLIIT Sophomore – 2 <sup>nd</sup> Semester (12 Credits)	Hours
BM 2080 Operations and Supply Chain	
Management	3
BM 2090 Business Information Systems	3
MA 2300 Engineering Mathematics III	3
ME 2060 Manufacturing Processes	3

<sup>\*</sup>Includes extra hours to be used towards technical elective category requirement.

WSU Junior – 1<sup>st</sup> Semester (19 Credits)

SLIIT-WSU Pathway 4 of 4