

# **Extracts from the Student Guidebook 2014/15**

## **Section II**

### **Course Information**

## **1.How to select a programme of study?**

- Choose the qualification you wish to gain (e.g. Bachelor of Technology Honours in Engineering Degree, Higher Diploma in an approved Technology Discipline Degree in Technology etc.,)
- Decide on your area of specialisation
- Identify the credits associated with different Categories at different Levels, for the Compulsory courses
- Identify the balance credit requirements for different Categories at different Levels, with reference to the appropriate credit tables
- Mark the Compulsory courses for your required area of specialisation in the Complete List of Courses

## 2.StART@OUSL Programme

All students who wish to enrol in a programme of study leading to a degree at the OUSL should undergo a three-month training programme titled Student Academic Readiness Training at the OUSL, abbreviated as StART@OUSL from the academic year 2014/15. The main objective for introducing this training programme is to prepare the students to undertake their programme of study in the distance mode as practiced at the OUSL. The programme will be conducted twice within an academic year. You are strongly advised to follow this programme as some of the courses will be prerequisites for the courses in the main degree programme.

### 2.1 Programme Structure

Nature of Course	Course Code	Course Title
Compulsory Courses	LSE3204	English for General Academic Purposes [EGAP]
	EDE3001	Empowering for Independent Learning [EfIL]
	Any ONE from	
	LSE0077	Basic Sinhala
	LSE0078	Basic Tamil
Optional Courses [Select any ONE]	FEW3102	Soft Skills for Personal Development
	CSE3051	ICT Skills
	SSE3101	Social Harmony

### 2.2 Requirements for the Programmes offered by the Faculty

Level 3	EDE3001 [CR], LSE3204 [CR] or VRL1201
Level 4	EDE3001 [EL], LSE3204 [EL] or VRL1201
Level 5	EDE3001 [P], LSE3204 [P] or VRL1201
Level 6	EDE3001 [P], LSE3204 [P] or VRL1201
For the Completion of the degree	LSE3204 [P], EDE3001 [P], LSE0077[P] or LSE0078[P] And any one from FEW3102 [P], CSE3051 [P], SSE3102 [P]

CR - Concurrent Registration,

EL- Eligibility,

P- Pass

**NOTE :** Those who have obtained a pass for General English at the G.C.E. (A/L) examination will be granted VRL1201, however they will not be granted exemption for LSE3204. Therefore, it is mandatory that every student offer LSE3204

### 2.3 Fees

The fee for the StART@OUSL shall be LKR 7,500/=

In the first year of registration the students shall be paying their fees in three instalments

First instalment

- Course fee for StART@OUSL
- Registration fee
- Supplementary fee

Second instalment

- 50% of the tuition fee for the courses offered in the regular programme
- Exemptions fee, if applicable

Third instalment

- 50% of the tuition fee for the course offered in the regular programme

*However, if you register for courses separately, individual course fees will be applicable*

### **3. Bachelor of Technology Honours in Engineering Degree and Higher Diploma in an approved Technology Discipline**

The Bachelor of Technology Honours in Engineering degree is designed carefully according to the requirements of the Sri Lanka Quality Framework (SLQF), specifying minimum and maximum limits for each category of courses, to ensure that the programme is balanced, and that it meets the academic requirements of major Engineering Institutions, both in Sri Lanka and overseas (e.g. The Institution of Engineers, Sri Lanka).

The Faculty expects a student who has been awarded the Bachelor of Technology (Engineering) degree to be able to:

- Develop creative and analytical ability and innovative thinking in Engineering
- Address social, environmental and economic issues related to Engineering
- Access and utilise Engineering knowledge to the benefit of the society.

It is also possible for a student to obtain a Higher Diploma in an approved Technology discipline after successfully completion of a required combination of courses and credit requirements as given under section 3.5. The Higher Diploma is one of the main avenues to enter middle-level technical grades within the Engineering profession.

The Faculty expects a student who has been awarded the Higher Diploma in Technology to be:

- Competent in the application of the well-known principles of engineering technology,
- Aware of social, environmental and economic issues related to technology, and
- Self-motivated and capable of furthering career advancement

The normal entry qualification to the programme at level 3 and are given under section 3.4. Lateral entry at a higher levels is also possible with higher qualifications (e.g. Diploma in Technology, NDT, NDES, etc.), provided the minimum entry qualifications in section 3.4 are satisfied.

#### **3.1 Duration**

The minimum duration of the Degree programme starting level 3 is 4 years.

#### **3.2 Medium of instruction**

English

#### **3.3 Area of Specializations**

- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electronic and Communication Engineering
- Mechanical Engineering
- Mechatronics Engineering
- Textile and clothing Engineering

#### **3.4 Eligibility for Admission to the Programme of Study**

A person seeking admission to the Programme of Study should have:

- obtained passes in the subjects, Combined mathematics, Physics and Chemistry from General Certificate in Education (Advanced Level) Examination, Sri Lanka, or
- obtained, by virtue of qualifications given in appendix-1(Table 1), a minimum total of 36 credits with minimum of 12 credits in each of the categories A, B and C, listed therein, or
- Secured an equivalent or higher qualification acceptable to the Senate.

### 3.5 Programme of Study and the requirements for the award of the Higher Diploma/Honours Degree

The Programme of Study consists of a combination of courses and training modules as determined by the Senate and as specified in the Rules. The Rules shall specify the **category**, the **level** and the **credit rating** of each course, and the type and the duration of each training module in each study programme.

A student should acquire either by successful completion in accordance with the Scheme of Assessment or by exemption, as set out in the Rules, course credits and industrial training requirements as referred to in section 3.5.1 for the award of the Higher Diploma, and in section 3.5.2 for the award of the Degree.

#### 3.5.1 Requirements for the award of the Higher Diploma

The courses selected for the award of the Higher Diploma in Technology in an approved discipline shall be so as to meet the minimum requirements in each category as shown below in **Table 1**. If the credits gained in any category exceed the maximum limit shown, only such maximum shall be used in computing the total credits. In situations where a student has obtained credits in excess of maximum, such excess credits shall be eliminated by considering level 3 courses first and then 4, 5, and 6, such that the maximum possible credits are counted in each category. The credits gained in foundation level courses cannot be counted towards the award of the Diploma. In addition, the student needs to complete training modules (A pass in Workshop practice and industrial training module/s equivalent to 30 weeks duration) relevant to the specialisations (Section 3.8). The complete list of courses, with Prerequisites, is given under section 3.9.

Table 1 - Course credits requirements for the award of Higher Diploma in an approved discipline

Category	Letter denoting category	Minimum credits	Maximum credits
Engineering	X	60 of which at least 18 at level 4 or above.	81 of which at least 18 at level 4 or above.
Engineering projects	Y	0	6
Mathematics	Z	9	18
General	J	0	6
Management	M	0	6
Industrial	I	0	6
English	L/E	0	6
Computer literacy	K	0	6
Total		90 of which at least 36 at level 4 or above	

#### 3.5.2 Requirements for the award of the Degree (Engineering)

The courses selected for the award of the Bachelor of Technology Honours in Engineering Degree in an approved discipline shall be so as to meet the minimum requirements in each category as shown below in **Table 2**. If the credits gained in any category exceed the maximum limit shown, only such maximum shall be used in computing the total credits. In situations where a student has obtained credits in excess of maximum, such excess credits shall be eliminated by considering level 3 courses first and then 4, 5, and 6, such that the maximum possible credits are counted in each category. The credits gained in foundation level courses cannot be counted towards the award of the degree. In addition, the student needs to complete training modules (A pass in Workshop practice and industrial training module/s equivalent to 30 weeks duration) relevant to the specialisations (Section 3.8). The complete list of courses, with Prerequisites, is given under section 3.9.

Table 3 - Course credits requirements for the award of Bachelor of Technology Honours in Engineering Degree

Category	Letter denoting category	Minimum credits	Maximum credits
Engineering	X	114 subject to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6.	126 subject to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6.
Engineering projects	Y	12 subject to a minimum of 12 at level 6.	24 subject to a minimum of 12 at level 6.
Mathematics	Z	21 subject to a minimum of 6 at levels 5 and 6.	33 subject to a minimum of 6 at levels 5 and 6.
General	J	9	18
Management	M	9	18
Industrial	I	0	6
English	L/E	0	6
Computer literacy	K	0	6
Total		177 subject to a minimum of 84 at levels 5 and 6, of which at least 36 is at level 6.	

### 3.6 Exemptions

The Senate may grant exemptions to a student, either from specified courses (specific credit exemptions) or from the requirement of obtaining a specified number of credits in given categories at given levels (general credit exemptions) or from the requirement of passing training modules towards the award in recognition of previously obtained qualifications and experience or other achievement.

Notwithstanding any exemptions so granted, a student shall acquire, by successful completion in accordance with the Scheme of Assessment, a minimum number of credits as shown below for the award of the Higher Diploma and for the Degree respectively.

- Minimum credit requirement a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Higher Diploma is 45 credits at level 3 and/or 4, and at least 18 credits from level 4 with 36 credits from categories of Engineering and Mathematics, of which 9 credits at level 4
- Minimum credit requirement a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Degree is 90 credits at level 3 and/or above, of which 42 credits at levels 5 and 6, and at least 18 credits from level 6, with 33 credits from categories of Engineering, Eng. Projects and Mathematics

A list of qualifications for which exemptions could be claimed is given in appendix 2.

### 3.7 List of compulsory courses required for specialisation in a particular field of discipline.

The following pages give the list of compulsory courses which a student should complete in order to be awarded the Higher Diploma/Degree. **Apart from given course lists below, students should select optional courses from complete list of courses (section 3.9) offered under technology (Engineering) programme to fulfil the requirements of the award, considering pre-requisites & exclusive combinations.**

## Civil Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6			
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
			ECX3210	Electro Techniques	MPZ3231(CR)	6					
			MEX3211	Communicating Engineering Information	None	6					
			MEX3212	Basic thermo fluids	None	6					
			CEX3230	Construction Materials	None	6					
			CEX3231	Structural Analysis and Design I	MEX3211(CR), CEX3230(CR), CEX3234(CR)	6					
			CEX3234	Strength of Materials	MPZ3231(CR)	6					
		2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6			
			CEX3232	Hydraulics & Hydrology	MEX3212(EL), MPZ3231(EL)	6					
			CEX3233	Surveying I	MEX3211(EL)	6					
			CEX4230	Soil Mechanics & Introduction to Rock Mechanics	CEX3232(CR), CEX3234(P)	6					
			CEX4231	Structural Analysis and Design II	MPZ3231(P), MEX3211(P), CEX3230(P), CEX3234(P), CEX3231(EL)	6					
			CEX4232	Construction Engineering & Planning	CEX3230(P), MEX3211(P), MPZ3231(P) ECX3210(P)	6					
		<b>Minimum credits for the Higher Diploma in Technology</b>				<b>90</b>	<b>60<sup>1</sup></b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>
		3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6			
			CEX5230	Surveying II	MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4 <sup>^</sup>	6					
			CEX5231	Mechanics of Fluids	CEX3232(P), MEX3212(P), MPZ5230(CR)	6					
			CEX5232	Engineering Geology	CEX3230(P), CEX4230(CR)	6					
			CEX5233	Structural Analysis	CEX3231(P), CEX4231(EL)	6					
			CEX6230	Geo-technics	CEX4230(P),CEX5232(CR)	6					
		4	CEX6331	Construction Engineering & Management	CEX4231(P), CEX4232(P)	9					
			CEX6332	Structural Design	CEX4231(P), CEX5233(EL)	9					
			CEX6233	Environmental Engineering	CEX3232(P), CEX4230(EL), CEX4232(EL)	6					
			<i>Select one from:</i>								
			CEY6595	Individual Project - Type B (Civil)	Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above		15				
			CEY6496	Group Project (Civil)	Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above		12				
			CEY6197	Project Identification & literature survey	Pass in 9 credits at Level 5 or above in X category		3				
			<i>and</i>								
			CEY6498	Individual Project - Type A (Civil)	CEY6197(CR), Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above		12				
		<b>Minimum credits for the Bachelor of Technology Honours in Engineering Degree</b>				<b>177<sup>5</sup></b>	<b>114<sup>2</sup></b>	<b>12<sup>3</sup></b>	<b>21<sup>4</sup></b>	<b>9</b>	<b>9</b>
										<b>0</b>	<b>0</b>

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 at level 6

<sup>4</sup> subjected to a minimum of 6 at level 6

<sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6

\* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.

## Computer Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6			
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
			MPZ4140	Discrete Mathematics I	None			3			
			MEX3211	Communicating Engineering Information	None	6					
			MEX3212	Basic Thermo Fluids	None	6					
			ECX3150	Electronics I	ECX3210 (CR)	3					
			ECX3210	Electro Techniques	MPZ3231(CR)	6					
			ECX 3233	Communication & IT	ECX3210(CR)	6					
	2		MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6			
			ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6					
			ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6					
			ECX4150	Electronics II	ECX3210(EL), ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3					
			ECX4235	Data Structures and Algorithms	ECX3233(CR), MPZ3231(EL), MPZ4140(CR), MEX3211(P)	6					
			ECX4236	Microprocessors and Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), [(ECX3233(EL) and {ECX3150(EL) and ECX4150(CR)}) or ECX3234(EL) or MEX3272(EL)]	6					
			ECX4247	Software Engineering	ECX3233(EL), MEX3211(P), MPZ3231(EL), ECX4235(CR)	6					
	Minimum credits for the Higher Diploma in Technology					90	60 <sup>1</sup>	0	9	0	0
	3		MPZ5230	Engineering Mathematics III	MPZ3231(P), MPZ3132(P), MPZ4230(EL)			6			
			MPZ5140	Discrete Mathematics II	MPZ4140(EL)			3			
			ECX5234	Data Communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)	6					
			ECX5235	Operating systems	ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR)	6					
			ECX5236	Computer Architecture	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL)	6					
	4		ECX6151	Digital Electronic systems	ECX3150(P), ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]	3					
			ECX6235	Compiler Design	ECX4235(P), ECX5235(EL), ECX5236(EL), MPZ4140(P), MPZ5140(EL)	6					
			ECX6236	Processor design	ECX3233(P), ECX4236(P), ECX5236(EL), ECX6151(CR)	6					
		<i>Select only one</i>									
			ECY6595	Individual project - Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		15				
			ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		12				
	Minimum credits for the Bachelor of Technology Honours in Engineering Degree					177 <sup>5</sup>	114 <sup>2</sup>	12 <sup>3</sup>	21 <sup>4</sup>	9	9

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 at level 6

<sup>4</sup> subjected to a minimum of 6 at level 6

<sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6

\* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.



## Electrical Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6			
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
			MEX3211	Communicating Engineering Information	None	6					
			MEX3235	Thermo Fluids	None	6					
			ECX3150	Electronics I	ECX3210 (CR)	3					
			ECX3210	Electro Techniques	MPZ3231(CR)	6					
			ECX 3233	Communication & IT	ECX3210(CR)	6					
		2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6			
			ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6					
			ECX4150	Electronics II	ECX3210(EL), ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3					
			ECX4234	Electrical installations	[ECX3210(P), MEX3211(P), ECX3232(CR)] or [ECX3210(P), MEX3211(P), ECX4252(CR)]	6					
			ECX4236	Microprocessors and Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), [(ECX3233(EL) and {ECX3150(EL) and ECX4150(CR)}) or ECX3234(EL) or MEX3272(EL)]	6					
			ECX4248	Electrical machines	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P), ECX4252(CR)	6					
			ECX4252	Power systems I	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P)	6					
			MEX4243	Control Systems Engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6					
		<b>Minimum credits for the Higher Diploma in Technology</b>				<b>90</b>	<b>60<sup>1</sup></b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>
		3	MPZ5230	Engineering Mathematics III	MPZ3231(P), MPZ3132(P), MPZ4230(EL)			6			
			ECX5231	Network theory	MPZ3132(P), MPZ3231(P) ECX3231(P), MEX3211(P), MPZ4230(EL)	6					
			ECX5238	High voltage engineering & electrical machines	MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4248(EL), ECX4252(EL)	6					
			ECX5332	Power systems II	MPZ3231(P), MPZ3132(P), ECX3210(P), MEX3211(P), ECX4252(EL), ECX4248(EL)	9					
		4	ECX6241	Field theory	MPZ4230(P), MPZ5230(CR)	6					
			ECX6332	Power systems planning	ECX4252(P), MEX4243(EL), ECX5332(EL)	9					
		<b>Select only one</b>									
			ECY6595	Individual project - Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		15				
			ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		12				
		<b>Minimum credits for the Bachelor of Technology Honours in Engineering Degree</b>				<b>177<sup>5</sup></b>	<b>114<sup>2</sup></b>	<b>12<sup>3</sup></b>	<b>21<sup>4</sup></b>	<b>9</b>	<b>0</b>

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 at level 6

<sup>4</sup> subjected to a minimum of 6 at level 6

<sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6

\* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.

## Electronic & Communication Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6			
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
			MEX3211	Communicating Engineering Information	None	6					
			MEX3212	Basic Thermo Fluids	None	6					
			ECX3210	Electro Techniques	MPZ3231 (CR)	6					
			ECX3150	Electronics I	ECX3210 (CR)	3					
			ECX 3233	Communication & IT	ECX3210(CR)	6					
	Higher Diploma in Technology	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6			
			ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6					
			ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6					
			ECX4150	Electronics II	ECX3210(EL), ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3					
			ECX4230	Fault Diagnosis in Electronic Circuits	ECX3210(P), ECX3150(EL), ECX4150(CR), ECX3231(CR), MEX3211(P), MPZ3231(EL), MPZ3132 (EL)	6					
			ECX4233	Communications	ECX3210(P), MPZ3231(P), MPZ3132(EL), ECX3233(EL), MEX3211(P)	6					
			ECX4236	Microprocessors and Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), [(ECX3233(EL) and {ECX3150(EL) and ECX4150(CR)}) or ECX3234(EL) or MEX3272(EL)]	6					
			MEX4243	Control Systems Engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6					
		<b>Minimum credits for the Higher Diploma in Technology</b>				<b>90</b>	<b>60<sup>1</sup></b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>
	Bachelor of Technology Honours in Engineering Degree	3	MPZ5230	Engineering Mathematics III	MPZ3231(P), MPZ3132(P), MPZ4230(EL)			6			
			ECX5233	Communication Theory & Systems	ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)	6					
			ECX5234	Data Communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)	6					
			ECX5243	Physical & Opto electronics	ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)	6					
			ECX6241	Field theory	MPZ4230(P), MPZ5230(CR)	6					
		4	ECX6151	Digital Electronic systems	ECX3150(P), ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]	3					
			ECX6250	Analogue Electronic systems	ECX3150(P), ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)	6					
			ECX6243	Microwave engineering & applications	MPZ4230(P), MPZ5230(EL), ECX4233(P), ECX6241(EL)	6					
		<b>Select only one</b>									
			ECY6595	Individual project - Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		15				
			ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		12				
		<b>Minimum credits for the Bachelor of Technology Honours in Engineering Degree</b>				<b>177<sup>5</sup></b>	<b>114<sup>2</sup></b>	<b>12<sup>3</sup></b>	<b>21<sup>4</sup></b>	<b>9</b>	<b>9</b>

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 at level 6

<sup>4</sup> subjected to a minimum of 6 at level 6

<sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6

\* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.

## Mechanical Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category								
					X	Y	Z	M	J	K	L		
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6					
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3						
		ECX3210	Electro Techniques	MPZ3231(CR)	6								
		MEX3211	Communicating Engineering Information	None	6								
		MEX3233	Workshop technology	None	6								
		MEX3234	Engineering drawing	MEX3211(CR)	6								
		MEX3235	Thermo-fluids	None	6								
		MEX3274	Electronics, sensors and actuators	ECX3210(CR)	6								
		2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6					
		MEX4275	Strength of Materials I	MPZ3231(EL)	6								
		MEX4276	Mechanics of Machines	MPZ3231(EL)	6								
		MEX4233	Materials Engineering	MEX4275(CR)	6								
		ECX4236	Microprocessors & Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), {[ECX3233(EL) and ECX3230(EL)] or ECX3234(EL) or MEX3272(EL)} or MEX3274(EL)	6								
		Minimum of two from:											
		MEX4230	Production Technology	MEX3233(EL)	6								
		MEX4135	Production Management	MPZ3121(EL)	3								
		MEX4232	Automobile Technology	MEX3235(EL),{ [MEX4275(CR) and MEX4276(CR)]	6								
		MEX4142	Applied Automotive Electronics	MEX4232(CR), MEX3274(EL)	3								
		Minimum credits for the Higher Diploma in Technology					90	60 <sup>1</sup>	0	9	0	0	0
		3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6					
			MEX5231	Applied Thermodynamics	MEX3235(P), MPZ4230(EL)	6							
			MEX5232	Strength of Materials II	[MEX4275(EL), MPZ4230(EL)	6							
			MEX5233	Dynamics of Mechanical Systems	[MEX4276(EL), MPZ4230(EL)	6							
			MEX5277	Machine Design	{[MEX4275(EL) and MEX4276(EL)] or MEX4335(EL)} and [MEX3274(EL) or MEX4271(EL)]	6							
		4	MEX6240	Industrial Engineering	MPZ4230(P)	6							
			MEX6278	Fluid Mechanics	MEX3235(P), MPZ4230(P)	6							
			Select one from:										
			MEY6595	Individual Project Type B	Pass in 18 credits in X category at Level 5 or above		15						
			MEY6496	Group Project	Pass in 18 credits in X category at Level 5 or above		12						
			MEY6197	Project Identification & literature survey	Pass in 9 credits at Level 5 or above		3						
			MEY6498	and									
				Individual Project Type A	MEY6197(CR)		12						
			Minimum of two from:										
			MEX6231	Automobile Engineering	MEX4232(P), MPZ4230(P)	6							
			MEX6232	Vehicle Dynamics	MEX4232(P), MPZ4230(P), MEX5232(EL)	6							
			MEX6230	Mechanics of Materials	MPZ4230(P), MEX5232(EL)	6							
			MEX6234	Advanced Manufacturing Technology	MPZ4230(P), MEX4230(P)	6							
			MEX6235	Thermal Power Generation	MPZ4230(P), MEX3235(P)	6							
			MEX6236	New and Renewable Sources of Energy	MPZ4230(P), MEX3235(P)	6							
			MEX6270	Factory Automation	Pass in 72 Credits in X category	6							
			MEX6271	Robotics	MPZ5230(EL),[MEX3274(P) or MEX4271(P)], MEX5233(EL)	6							
Minimum credits for the Bachelor of Technology Honours in Engineering Degree					177 <sup>5</sup>	114 <sup>2</sup>	12 <sup>3</sup>	21 <sup>4</sup>	9	9	0		

<sup>1</sup> 60 credits of which at least 18 at level 4 or above <sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6 <sup>3</sup> subjected to a minimum of 12 at level 6 <sup>4</sup> subjected to a minimum of 6 at level 6 <sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6  
\* For the Higher Diploma could be replaced with equal number of credits at Level 4 or above

## Mechatronics Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6			
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
			ECX3210	Electro Techniques	MPZ3231(CR)	6					
			MEX3211	Communicating Engineering Information	None	6					
			MEX3235	Thermo-fluids	None	6					
			MEX3272	Applied electronics	MPZ3231(CR), ECX3210(CR)	6					
			MEX3273	Modeling of mechatronics systems	MPZ3231(CR), ECX3210(CR)	6					
			MEX3174	Principles of design	None	3					
			MEK3170	C Programming	None					3	
	Higher Diploma in Technology	2	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6			
			MEX4271	Sensors and actuators	MPZ3231(EL), MEX3272(EL), MEX3273(EL)	6					
			MEX4272	Vibration and fault diagnosis	MPZ3231(EL), MPZ3132(EL), MEX4335(CR)	6					
			MEX4273	Mechatronics product design	MEX3273(EL), MEX3174(EL), MEX4271(CR)	6					
			ECX4236	Microprocessors and interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), [(ECX3233(EL) and {ECX3150(EL) and ECX4150(CR)}) or ECX3234(EL) or MEX3272(EL)]	6					
			MEX4243	Controls system engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6					
			MEX4335	Applied Mechanics & Strength of Materials	MPZ3231(EL)	9					
	Minimum credits for the Higher Diploma in Technology					90	60 <sup>1</sup>	0	9	0	0
	Bachelor of Technology Honours in Engineering Degree	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6			
			MEX5270	Power electronics & motor drives	MEX3272(P), MEX4271(EL)	6					
			MEX5271	Machine vision	MEX4271(EL), MPZ4230(EL)	6					
			MEX5272	Materials & manufacturing technology	MEW3001(P), MEX4335(EL)	6					
			MEX5233	Dynamics of mechanical systems	MEX4275(EL) or MEX4335(EL), MPZ4230(EL)	6					
		4	MEX6270	Factory Automation	Pass in 72 Credits in X category	6					
			MEX6271	Robotics	MPZ5230(EL), [MEX3274(P) or MEX4271(P)], MEX5233(EL)	6					
			MEX6273	Advanced Control Engineering	MPZ5230(EL), MEX4243(P)						
			<i>Select only one</i>								
			MEY6573	Mechatronics Product Design Project (Individual)	Pass in 18 credits in X category at Level 5 or above		15				
			MEY6474	Mechatronics Product Design Project (Group)	Pass in 18 credits in X category at Level 5 or above		12				
	Minimum credits for the Bachelor of Technology Honours in Engineering Degree					177 <sup>5</sup>	114 <sup>2</sup>	12 <sup>3</sup>	21 <sup>4</sup>	9	0

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 at level 6

<sup>4</sup> subjected to a minimum of 6 at level 6

<sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6

\* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.

## Textile and Clothing Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category							
					X/I	Y	Z	M	J	K	L	
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6				
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				
			ECX3210	Electro Techniques	MPZ3231(CR)	6						
			MEX3211	Communicating Engineering Information	None	6						
			TTX3239	Garment analysis and sewing machinery	None	6						
			TTX3231	Fibre science and technology	None	6						
			TTX4260	Woven fabric technology	None	6						
			TTX3232	Yarn manufacture I	None	6						
		2	MEX3235	Thermo fluids	None	6						
			TTI3241	Production planning and organisation	None	6						
			TTX4232	Textile colouration	None	6						
			TTX4233	Quality assurance for textiles and clothing	None	6						
			TTX4238	Garment manufacture	TTX3239 (EL)	6						
			MEX4276	Mechanics of machines	MPZ3231(EL)	6						
		<b>Minimum credits for the Higher Diploma in Technology</b>				<b>90</b>	<b>60<sup>1</sup></b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>
		3	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6				
			MEX4243	Control systems engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6						
			TTX5262	Knitting technology	None	6						
			TTX5232	Yarn & fabric mechanics	MPZ3231(EL), TTX3232(P), TTX4260(P)	6						
			TTX5234	Plant utilities	None	6						
			TTX5260	Pattern development	None	6						
			TTM5361	Textile management and merchandising	None			9				
		4	MPZ5230	Engineering mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
			<b>Select only one</b>									
			TTY6595	Individual project –Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above		15					
			TTY6496	Group project (Textile & Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above		12					
			TTY6197	Project Identification & literature survey (Textile and Apparel)	Pass in 9 credits at Level 5 or above		3					
					<i>and</i>							
			TTY6498	Individual Project Type A (Textile & Apparel)	MEY6197(CR)		12					
		<b>Minimum credits for the Bachelor of Technology Honours in Engineering Degree</b>				<b>177<sup>5</sup></b>	<b>114<sup>2</sup></b>	<b>12<sup>3</sup></b>	<b>21<sup>4</sup></b>	<b>9</b>	<b>9</b>	<b>0</b>

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 at level 6

<sup>4</sup> subjected to a minimum of 6 at level 6

<sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6

### 3.8 List of training modules required for specialisation in a particular field of discipline.

For the completion of a programme of study, a student should fulfil all the training requirements, which is a pass in Workshop practice and industrial training module/s equivalent to 30 weeks duration listed in the tables shown below for respective fields of discipline.

Table 3 – Training requirements for Civil Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
CEW4002	Industrial Training (For diploma)	MPZ3132(P), ECX3210(P), MEX3212(P), CEX3231(P), CEX3232(P), CEX3233(P), CEX3234(P), MEW3001(P), Eligibility in 12 credits at level 4 or above	30 weeks
CEW5003	Industrial Training (For degree)	ECX3210(P), MEX3212(P), CEX3234(P), MPZ4230(P), MPZ5230(P), CEX5230(P), CEX5231(P), CEX5232(P), CEX5233(P), MEW3001(P), Eligibility in 12 credits at level 6	30 weeks

Table 4 – Training requirements for Computer Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
ECW3001	Industrial Training II (Electronics)	MEW3001(P), ECX3210(P), {ECX3150(P) or {ECX3231(P) & ECX4150(CR)}}	15 weeks
<b>Select only one</b>			
ECW4001	Industrial Training II (Software)	ECW3001(CR) or ECW3290(CR), {ECX4247(CR) and ECX4235(CR)}	15weeks
ECW5001	Industrial training II (Software - undergraduate)	ECW3001(CR), [ECX4247(P) or ECX4262(P)], ECX4235(P)	15weeks

Table 5 – Training requirements for Electrical Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
ECW3001	Industrial Training II (Electronics)	MEW3001(P), ECX3210(P), {ECX3150(P) or {ECX3231(P) & ECX4150(CR)}}	15 weeks
<b>Select only one</b>			
ECW4002	Industrial Training II (Power)	ECW3001(CR) or ECW3290(CR), ECX3210(EL), ECX4252(CR), ECX4248(CR)	15weeks
ECW5002	Industrial training II (Power-undergraduate)	ECW3001(CR), MEX4243(EL), ECX4252(EL), ECX4248(EL), ECX5332(CR)	15weeks

Table 6 – Training requirements for Electronic & Communication Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
ECW3001	Industrial Training II (Electronics)	MEW3001(P), ECX3210(P), {ECX3150(P) or {ECX3231(P) & ECX4150(CR)}}	15 weeks
<b>Select only one</b>			
ECW4003	Industrial Training II (Communication)	ECW3001(CR) or ECW3290(CR), ECX3233(EL), ECX4233(CR)	15weeks
ECW5003	Industrial training II (Communication-undergraduate)	ECW3001(CR), MEX4243(CR), ECX5233(CR), ECX5234(CR)	15weeks

Table 7 – Training requirements for Mechanical Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
MEW4002	Industrial Training I (Mechanical)	MEW3001(P), ECX3210(EL), MEX3233(EL)	15 weeks
MEW5002	Industrial Training II (Mechanical)	MEX3233(P), MEW4002(CR)	15weeks

Table 8 – Training requirements for Mechatronics Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
MEW4003	Industrial Training I (Mechatronics)	MEW3001(P), MEX3174(P),ECX3210(P), MEX3211(P),MEX3273(CR)	15 weeks
MEW5003	Industrial Training II (Mechatronics)	MEX3271(P), MEX3272(P), MEX4273(CR), MEW4002(CR)	15weeks

Table 9 – Training requirements for Textile and Clothing Engineering

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
<i>Select any two from;</i>			
TTW4001	Industrial training (Apparel I)	TTI3235 (P) or [TTX3239(P), TTI3241(P)] or [TTI3235(EL), Pass in 18 credits at level 3 or above ] or [TTX3239(EL), TTI3241(EL), Pass in 18 credits at level or above]	15 weeks
TTW5003	Industrial training (Yarn manufacture)	TTX3232(P) or [TTX4261(EL), Pass in 18 credits]	15weeks
TTW5004	Industrial training (Weaving)	TTX4260(P) or [TTX4260(EL), Pass in 18 credits]	15weeks
TTW5005	Industrial training (Chemical processing)	TTX4232(P) or [TTX4232(EL), Pass in 18 credits] or TTX4234(P) or [TTX4234(EL), Pass in 18 credits]	15weeks
TTW5006	Industrial training (Knitting)	TTX5262(P) or TTX4242(P), Pass in 18 credits	15weeks

### 3.9 Complete list of courses offered under for Technology (Engineering) programme

The complete list of courses that are offered in Technology (Engineering) programme with respective **prerequisites and co-requisites** are given below. Students, after offering the compulsory courses for the relevant programme, should select additional courses from this list. While selecting the additional courses, students must ensure that the conditions regarding **credit, level and category requirements** for the award of the /Higher Diploma/Degree are met.

#### 3.9.1 Courses offered at level 3

If not mentioned otherwise, prerequisites for all courses at level 3 are EDE3001(CR), LSE3204 (CR) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX3110	Nature and environment	None
AEX3231	Soil management, tillage and traction	None
AEX3233	Post-harvest technology I	None
CEX3230	Construction materials	None
CEX3231	Structural analysis and design I	MEX3211(CR), CEX3230(CR), CEX3234(CR)
CEX3232	Hydraulics and hydrology	MEX3212(EL), MPZ3231(EL)
CEX3233	Surveying I	MEX3211(EL)
CEX3234	Strength of materials	MPZ3231(CR)
ECX3210	Electro-techniques	MPZ3231(CR)
ECX3217	Software development for engineers	None
ECX3231	Electrical circuits and measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)
ECX3232	Electrical power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)
ECX3233	Communications and information technology	ECX3210(CR)
ECX3150	Electronics I	ECX3210 (CR)
MEX3211	Communicating engineering information	None
MEX3212	Basic thermo-fluids	None
MEX3233	Workshop technology*	None
MEX3234	Engineering drawing	MEX3211(CR)
MEX3235	Thermo-fluids	None
MEX3272	Applied electronics	MPZ3231(CR), ECX3210(CR)
MEX3273	Modelling of mechatronics systems	MPZ3231(CR), ECX3210(CR)
MEX3174	Principles of design	None
MEX3274	Electronics, sensors and actuators	ECX3210(CR)
TTX3231	Fibre science and technology	None
TTX3232	Yarn manufacture I	None
TTX3239	Garment analysis and sewing machinery	None

Industrial (I) category courses		
Course Code	Course Name	Prerequisites
TTI3236	Fabric structure and analysis	None
TTI3241	Production planning and organization	None



Mathematics (Z) category courses		
Course Code	Course Name	Prerequisites
MPZ3231	Engineering mathematics 1A	None
MPZ3132	Engineering mathematics 1B	MPZ3231(CR)

General (J) category courses		
Course Code	Course Name	Prerequisites
LWJ3160	Introduction to laws of Sri Lanka	None

Computer literacy (K) category courses		
Course Code	Course Name	Prerequisites
MEK3170	C Programming	None
MEK3289	Computer aided drafting	MEX3211(CR)

Language(L or E) category courses		
Course Code	Course Name	Prerequisites
LSE3204	English for general academic purpose	None

### 3.9.2 Courses offered at level 4

If not mentioned otherwise, prerequisites for all courses at level 4 are EDE3001(EL), LSE3204 (EL) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX4230	Integrated crop protection	AEX3230(CR)
AEX4231	Food and nutrition	AEX3230(CR)
AEX4232	Soil and water conservation	AEX3232(CR)
AEX4237	Irrigation and drainage engineering	AEX3232(P)
AEX4239	Crop production and farming systems	None
AEX4240	Plant and soil science	None
CEX4230	Soil mechanics and introduction to rock mechanics	CEX3234(P),CEX3232(CR)
CEX4231	Structural analysis and design II	MPZ3231(P), MEX3211(P), CEX3230(P), CEX3234(P), CEX3231(EL)
CEX4232	Construction engineering and planning	CEX3230(P), MEX3211(P), ECX3210(P), MPZ3231(P)
CEX4233	Irrigation engineering	CEX3232(EL)
CEX4234	Water supply and sewerage engineering	CEX3232(EL)
CEX4235	Building engineering	MEX3211(P), ECX3210(P), CEX3230(P)
CEX4236	Highway engineering	CEX3230(P)
CEX4238	Quantity surveying	CEX3230(P), CEX3231(P), CEX3233(P)
ECX4230	Fault diagnosis in electronic circuits	ECX3210(P),ECX3150(EL), ECX4150(CR), ECX3231(CR), MEX3211(P), MPZ3231(EL), MPZ3132 (EL)
ECX4233	Communications	ECX3210(P), MPZ3231(P), MPZ3132(EL), ECX3233(EL), MEX3211(P)
ECX4234	Electrical installations	[ECX3210(P), MEX3211(P), ECX3232(CR)] or [ECX3210(P), MEX3211(P), ECX4252(CR)]
ECX4235	Data structures and algorithms	ECX3233(CR), MPZ3231(EL), MPZ4140(CR), MEX3211(P)
ECX4236	Microprocessors and interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), [(ECX3233(EL) and {ECX3150(EL) and ECX4150(CR)})] or ECX3234(EL) or MEX3272(EL)]
ECX4237	Software engineering I	ECX3233(EL), MEX3211(P), MPZ3231(EL), ECX4235(CR)
ECX4238	Electrical machines	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P),ECX4252(CR)

ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)
ECX4252	Power system I	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P)
MEX4230	Production technology	MEX3233(EL)
MEX4232	Automobile technology	MEX3235(EL),{ [MEX4275(CR) and MEX4276(CR)]
MEX4233	Materials engineering	MEX4275(CR)
MEX4135	Production management	MPZ3121(EL)
MEX4142	Applied Automotive Electronics	MEX4232(CR), MEX3274(EL)
MEX4243	Controls systems engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits
MEX4271	Sensors and actuators	MPZ3231(EL), MEX3272(EL), MEX3273(EL)
MEX4272	Vibration and faults diagnosis	MPZ3231(EL), MPZ3132(EL), MEX4335(CR)
MEX4273	Mechatronics product design	MEX3273(EL), MEX3174(EL), MEX4271(CR)
MEX4335	Applied Mechanics & Strength of Materials	MPZ3231(EL)
MEX4275	Strength of Materials I	MPZ3231(EL)
MEX4276	Mechanics of Machines	MPZ3231(EL)
TTX4232	Textile colouration	LSE3201(CR) or LSL3201(EL) or VRL1201 or VRL3200
TTX4233	Quality assurance for textiles and clothing	LSE3201(CR) or LSL3201(EL) or VRL1201 or VRL3200
TTX4234	Textile colouration and finishing	TTX3234 (EL)
TTX4238	Garment manufacture	TTX3239 (EL)
TTX4242	Knitted garment technology	None
TTX4260	Woven fabric technology	None

#### Mathematics (Z) category courses

Course Code	Course Name	Prerequisites
MPZ4230	Engineering mathematics II	MPZ3231(EL), MPZ3132(EL)

#### Management (M) category courses

Course Code	Course Name	Prerequisites
TTM4239	Management studies	None
AEM4234	Agricultural Economics and Management	None
AEM4235	Agricultural Marketing	None

#### General (J) category courses

Course Code	Course Name	Prerequisites
MPJ4132	History of technology	Pass in 15 credits and eligibility in additional 15 credits
AEJ4233	Rural sociology	None

### 3.9.3 Courses offered at level 5

If not mentioned otherwise, prerequisites for all courses at level 5 are EDE3001(P), LSE3204 (P) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX5230	Power and machinery in agriculture	AEX3231(P)
AEX5231	Post-harvest technology II	AEX3233(P)
AEX5232	Soil, plant and water relationship	AEX3232(P)
AEX5243	Farm power and machinery	AEI3235(P) or AEX3231(P)
CEX5230	Surveying II	MEX3211(P), CEX3233(P), MPZ3231(P), Pass in 18 credits at Level 4 or above
CEX5231	Mechanics of fluids	CEX3232(P), MEX3212(P), MPZ5230(CR)
CEX5232	Engineering geology	CEX3230(P), CEX4230(CR)
CEX5233	Structural analysis	CEX3231(P), CEX4231(EL)
ECX5231	Network theory	MPZ3132(P), MPZ3231(P) ECX3231(P), MEX3211(P), MPZ4230(EL)
ECX5332	Power systems II	MPZ3231(P), MPZ3132(P), ECX3210(P), MEX3211(P), ECX4252(EL), ECX4248(EL)
ECX5233	Communication theory and systems	ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)
ECX5234	Data communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)
ECX5235	Operating systems	ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR)
ECX5236	Computer architecture	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL)
ECX5238	High voltage engineering & electrical machines	MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4248(EL), ECX4252(EL)
ECX5243	Physical & Opto electronics	ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)
ECX5245	Database management systems	ECX3233(P), MEX3211(P), ECX4247(EL), ECX4235(EL), MPZ4140(EL)
ECX5247	Group work in software development	ECX3233(P), MEX3211(P), ECX4247(EL), ECX4235(EL)
ECX5267	Software testing and quality assurance	ECX4247(EL)
MEX5231	Applied Thermodynamics	MEX3235(P), MPZ4230(EL)
MEX5232	Strength of Materials II	[MEX4275(EL), MPZ4230(EL)]
MEX5233	Dynamics of Mechanical Systems	[MEX4276(EL), MPZ4230(EL)]
MEX5277	Machine Design	{[MEX4275(EL) and MEX4276(EL)] or MEX4335(EL)} and [MEX3274(EL) or MEX4271(EL)]
MEX5270	Power electronics & motor drives	MEX3272(P), MEX4271(EL)
MEX5271	Machine vision	MEX4271(EL), MPZ4230(EL)
MEX5272	Materials & manufacturing technology	MEW3001(P), MEX4335(EL)
TTX5232	Yarn and fabric mechanics	MPZ3231(EL), TTX3232(P), TTX4260(P)
TTX5234	Plant utilities	None
TTX5260	Pattern development	None
TTX5262	Knitting technology	None

Mathematics (Z) category courses		
Course Code	Course Name	Prerequisites
MPZ5230	Engineering mathematics III	MPZ3231(P), MPZ3132(P), MPZ4230(EL)

Management (M) category courses		
Course Code	Course Name	Prerequisites
MEM5336	Management for engineers	Pass in 75 credits
TTM5361	Textile management and merchandising	None

General (J) category courses		
Course Code	Course Name	Prerequisites
AEJ5240	Indigenous knowledge of herbal products	Pass in 18 credits at Level 3, additional 18 credits Eligibility at Level 4 or above
MPJ5134	The nature of mathematics I	Pass in 72 credits
MPJ5231	The nature of science	Pass in 72 credits
MPJ5233	Technology, society and environment	Pass in 72 credits
TTJ5142	History & traditions of clothing	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above

Computer literacy (K) category courses		
Course Code	Course Name	Prerequisites
MEK5201	Computer aided drafting and modelling	MEX3211(EL)

### 3.9.4 Courses offered at level 6

If not mentioned otherwise, prerequisites for all courses at level 6 are EDE3001(P), LSE3204 (P) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX6234	Environmental Control in Farm Structures	AEX4239 (P), AEI3234 (P)
AEX6137	Impact of Climate Change on Water resources	AEI6235(CR)
AEX6236	Food Processing	AEX4231 (P)
AEX6235	Hydrology and Water Resources	AEX4240 (P), PSU1182 (P)
CEX6230	Geo-technics	CEX4230(P), CEX5232(CR)
CEX6331	Construction Engineering & Management	CEX4231(P), CEX4232(P)
CEX6332	Structural Design	CEX4231(P), CEX5233(EL)
CEX6233	Environmental Engineering	CEX3232(P), CEX4230(EL), CEX4232(EL)
ECX6332	Power systems planning	ECX4252(P), MEX4243(EL), ECX5332(EL)
ECX6234	Digital signal processing	MPZ5230(P), MEX4243(P)
ECX6235	Compiler design	ECX4235(P), ECX5235(EL), ECX5236(EL), MPZ4140(P), MPZ5140(EL)
ECX6236	Processor design	ECX3233(P), ECX4236(P), ECX5236(EL), ECX6151(CR)
ECX6239	Wireless communication	MPZ4230(P), MPZ5230(EL), ECX4233(P), ECX5233(CR)
ECX6240	Knowledge engineering	ECX4235(P), ECX4247(P), MPZ4140(P), MPZ5140(EL)
ECX6241	Field theory	MPZ4230(P), MPZ5230(CR)
ECX6242	Modern control systems	MEX4243(P), MPZ5230(EL)
ECX6243	Microwave engineering and applications	MPZ4230(P), MPZ5230(EL), ECX4233(P), ECX6241(EL)
ECX6251	Digital Electronic systems	ECX3150(P), ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]
ECX6250	Analogue Electronic systems	ECX3150(P), ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)

MEX6230	Mechanics of Materials	MPZ4230(P), MEX5232(EL)
MEX6231	Automobile Engineering	MEX4232(P), MPZ4230(P)
MEX6232	Vehicle Dynamics	MEX4232(P), MPZ4230(P), MEX5232(EL)
MEX6234	Advanced Manufacturing Technology	MPZ4230(P), MEX4230(P)
MEX6235	Thermal Power Generation	MPZ4230(P), MEX3235(P)
MEX6235	New and Renewable Sources of Energy	MPZ4230(P), MEX3235(P)
MEX6240	Industrial Engineering	MPZ4230(P)
MEX6270	Factory Automation	Pass in 72 Credits in X category
MEX6271	Robotics	MPZ5230(EL), [MEX3274(P) or MEX4271(P)], MEX5233(EL)
MEX6273	Advanced Control Engineering	MPZ5230(EL), MEX4243(P)
MEX6278	Fluid Mechanics	MEZ3235(P), MPZ4230(P)
TTX6233	Technical textiles	Eligibility of 36 credits at level 4 or above
TTX6135	Textile product engineering	Eligibility of 36 credits at level 4 or above
TTX6239	Ergonomics	Eligibility of 36 credits at level 4 or above
TTX6260	Advanced woven fabric technology	TTX4260 (EL)
TTX6261	Yarn manufacture II	TTX3232 (EL)
TTX6162	Advanced coloration	TTX4232 (EL) or TTX4234(EL)
TTX6263	Speciality fabrics	TTX5262 (EL), TTX4260 (EL)
TTX6264	Nonwoven textiles	TTX3231 (EL)

Engineering projects (Y) category courses		
Course Code	Course Name	Prerequisites
CEY6595	Individual Project - Type B (Civil)	Pass in 18 credits in X category at Level 5 or above & Eligibility in additional 18 credits at level 5 or above
CEY6496	Group Project (Civil)	Pass in 18 credits in X category at Level 5 or above & Eligibility in additional 18 credits at level 5 or above
CEY6197	Project Identification & literature survey	Pass in 9 credits at Level 5 or above in X category
CEY6498	Individual Project - Type A (Civil)	CEY6197(CR), Pass in 18 credits in X category at Level 5 or above & Eligibility in additional 18 credits at level 5 or above
ECY6595	Individual project - Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above
ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above
ECY6197	Project identification and literature survey (Computer, Electrical, Electronic and Communication)	Pass in 9 credits at Level 5 or above from X category,
ECY6498	Individual project - Type A (Computer, Electrical, Electronic and Communication)	ECY6197(P), Pass in 18 credits at Level 5 or above from X category, Eligibility in additional 18 credits at Level 5 or above
MEY6595	Individual Project Type B	Pass in 18 credits in X category at Level 5 or above
MEY6496	Group Project	Pass in 18 credits in X category at Level 5 or above
MEY6197	Project Identification & literature survey	Pass in 9 credits at Level 5 or above
MEY6498	Individual Project Type A	MEY6197(CR)
MEY6573	Mechatronics Product Design Project (Individual)	Pass in 18 credits in X category at Level 5 or above
MEY6474	Mechatronics Product Design Project (Group)	Pass in 18 credits in X category at Level 5 or above
TTY6595	Individual project-Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above
TTY6496	Group project (Textile & Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above
TTY6197	Project identification and literature survey	Pass in 9 credits at level 5 or above
TTY6498	Individual project -Type A (Textile and Apparel)	TTY6197 (P)

### 3.10 Complete list of training modules offered under for Technology (Engineering) programme

Course Code	Course Name	Prerequisites	Duration
MEW3001	Workshop Practice	MEX3211(CR), ECX3210 (CR)	10 days
CEW4002	Industrial Training (For diploma)	MPZ3132(P), ECX3210(P), MEX3212(P), CEX3231(P), CEX3232(P), CEX3233(P), CEX3234(P), MEW3001(P), Eligibility in 12 credits at level 4 or above	30 weeks
CEW5003	Industrial Training (For degree)	ECX3210(P), MEX3212(P), CEX3234(P), MPZ4230(P), MPZ5230(P), CEX5230(P), CEX5231(P), CEX5232(P), CEX5233(P), MEW3001(P), Eligibility in 12 credits at level 6	30 weeks
ECW3001	Industrial Training II (Electronics)	MEW3001(P), ECX3210(P), {ECX3150(P) or {ECX3231(P) & ECX4150(CR)}}	15 weeks
ECW4001	Industrial Training II (Software)	ECW3001(CR) or ECW3290(CR), {ECX4247(CR) and ECX4235(CR)}	15weeks
ECW4002	Industrial Training II (Power)	ECW3001(CR) or ECW3290(CR), ECX3210(EL), ECX4252(CR), ECX4248(CR)	15weeks
ECW4003	Industrial Training II (Communication)	ECW3001(CR) or ECW3290(CR), ECX3233(EL), ECX4233(CR)	15weeks
ECW5001	Industrial training II (Software - undergraduate)	ECW3001(CR), [ECX4247(P) or ECX4262(P)], ECX4235(P)	15weeks
ECW5002	Industrial training II (Power-undergraduate)	ECW3001(CR), MEX4243(EL), ECX4252(EL), ECX4248(EL), ECX5332(CR)	15weeks
ECW5003	Industrial training II (Communication-undergraduate)	ECW3001(CR), MEX4243(CR), ECX5233(CR), ECX5234(CR)	15weeks
MEW4002	Industrial Training I (Mechanical)	MEW3001(P), ECX3210(EL), MEX3233(EL)	15 weeks
MEW4003	Industrial Training I (Mechatronics)	MEW3001(P), MEX3174(P), ECX3210(P), MEX3211(P), MEX3273(CR)	15 weeks
MEW5002	Industrial Training II (Mechanical)	MEX3233(P), MEW4002(CR)	15weeks
MEW5003	Industrial Training II (Mechatronics)	MEX3271(P), MEX3272(P), MEX4273(CR), MEW4002(CR)	15weeks
TTW4001	Industrial training (Apparel I)	TTI3235 (P) or [TTX3239(P), TTI3241(P)] or [TTI3235(EL), Pass in 18 credits at level 3 or above ] or [TTX3239(EL), TTI3241(EL), Pass in 18 credits at level or above]	15 weeks
TTW5003	Industrial training (Yarn manufacture)	TTX3232(P) or [TTX4261(EL), Pass in 18 credits]	15weeks
TTW5004	Industrial training (Weaving)	TTX4260(P) or [TTX4260(EL), Pass in 18 credits]	15weeks
TTW5005	Industrial training (Chemical processing)	TTX4232(P) or [TTX4232(EL), Pass in 18 credits] or TTX4234(P) or [TTX4234(EL), Pass in 18 credits]	15weeks
TTW5006	Industrial training (Knitting)	TTX5262(P) or TTX4242(P), Pass in 18 credits	15weeks

### 3.11 Excluded combinations

Students may not claim credit for more than one course in each of the following combinations of courses given below. In a situation, where a student has obtained credits from mutually excluded courses, the following sequence of considerations shall be conducted to decide on which of the course/s is/are to be retained.

1. Retain the one necessary for final credit total
2. Retain the one in the compulsory list where applicable
3. Retain the one that has an impact on the category minimum credit requirements
4. Retain the one that has an impact on minimum level-credit requirements
5. Retain the one with largest GPV – partial inclusion allowed so as to retain maximum credits where credits of the courses are not the same (but not contravene 1, 2, 3 and 4)

AEX4237 and CEX4233	ECX4252 and MEX3272	MEX6240 and MEX6340
CEX5231 and AEX6233	ECX5243 and ECX5239	MEX6270 and MEX6333
ECX3230 and ECX3234	ECX5247 and ECX5237	MEX6273 and MEX6272
ECX3230 and MEX3272	ECX5245 and ECX5240	MEX6273and ECX6242
ECX3231 and ECX3234	ECX6151 and ECX6330	MEX6278 and MEX5230
ECX3231 and MEX3272	ECX6250 and ECX6330	TTX3239 and TTI3239
ECX3232 and ECX3234	MEX3274 and ECX3234	TTX3239 and TTI3235
ECX3232 and MEX3272	MEX4335 and MEX3271	TTX4238 and TTI4238
ECX3234 and MEX3272	MEX4234 and TTX5234	TTX4262 and TTX4242
ECX3217 and ECX4247	MEX4135 and MEX4235	TTX4260 and TTX3255
ECX3150 and ECX3230	MEX4142 and MEX4242	TTX4261 and TTX3232
ECX3150 and ECX3234	MEX4275 and MEX3271	TTX4262 and TTX4231
ECX3150 and MEX3272	MEX4276 and MEX3271	TTX5136 and TTX6239
ECX4247 and ECX4237	MEX5277 and MEX4231	TTX6263 and TTX5237
ECX4248 and ECX4238	MEX6230 and MEX6330	TTX6265 and TTX5235
ECX4150 and ECX3230	MEX6231 and MEX6331	TTX6162 and TTX6231
ECX4150 and ECX3234	MEX6232 and MEX6332	TTM4239 and MEM5336
ECX4150 and MEX3272	MEX6234 and MEX6334	TTM4239 and TTM5361
ECX4252 and ECX3232	MEX6235 and MEX6335	TTM5361 and MEM5336
ECX4252 and ECX3234	MEX6236 and MEX6336	

### 3.12 Scheme of Assessment for Programmes conducted by the Faculty of Engineering Technology

[Extracts from relevant Rules and Regulations applicable to the above awards – Only the relevant information is given below]

## 2 Scheme of Assessment

- 2.1 The assessment of a student in any course shall consist of two components, viz.: Continuous Assessment and Final Examination.
- 2.1.1 The content, nature and weightage of each of these components shall be in accordance with the Rules relating to the scheme and method of assessment as determined by the Faculty.
- 2.1.2 A student shall be eligible to appear at the Final Examination of any course only if he/she has been awarded a minimum of 40% for the Continuous Assessment component of that course. The eligibility thus obtained to sit for the Final Examination of a course shall be valid for a period stipulated by the Senate.
- 2.1.3 A student who fails to obtain 40% for Continuous Assessment or fails to obtain a grade C or higher at the Final Examination before the lapse of the eligibility in respect of any course, shall be deemed to have failed that course and shall be awarded the grade F. Such a student may repeat that course by re-registering subject to section 2.1.6.
- 2.1.4 The overall assessment mark (Z%) of a student in respect of any course shall be based on the Continuous Assessment mark (X%) and the mark obtained at the Final Examination (Y%) and shall be computed and grades awarded as follows:

For courses offered by the Faculty of Engineering Technology;

$$Z = \begin{cases} 0.5X + 0.5Y, & \text{if } Y \geq 40 \\ Y, & \text{if } Y < 40 \end{cases}$$

$85 \leq Z$ :A+	$63 \leq Z < 70$ : B+	$45 \leq Z < 50$ : C+	$30 \leq Z < 35$ : D+
$75 \leq Z < 85$ : A	$55 \leq Z < 63$ : B	$40 \leq Z < 45$ : C	$20 \leq Z < 30$ : D
$70 \leq Z < 75$ : A-	$50 \leq Z < 55$ : B-	$35 \leq Z < 40$ : C-	$Z < 20$ : E

A+, A, A-, B+, B, B-, C+, and C, constitute Pass grades.

The grades awarded under the previous structure must be recalculated based on the raw overall assessment marks.

However, where the raw marks are not available for a particular course, the grades PA+, PA, PB, PC, PD, RE and RF already awarded under the previous structure shall be converted as indicated below.

PA+	PA	PB	PC	PD	RE	RF
A+	A	B+	B-	C	D+	D

For courses offered by other faculties of the Open University of Sri Lanka the grades awarded shall be in accordance with the rules pertaining to the scheme of assessment of such courses.



- 2.1.5 A student who is awarded a grade C-, D+, D or E for a particular course cannot count that course towards his/her credit requirements unless he/she re-sits the Final Examination on a subsequent occasion and obtains a pass grade.
  - 2.1.6 A student who either repeats a course or re-sits a Final Examination or is exempted from a course shall be deemed to have obtained a mark which is not higher than 40% and a grade not higher than C.
  - 2.1.7 A student who withdraws from a course by a written communication addressed to the Registrar within a period of two months from the commencement of the course or before a date stipulated by the Faculty may be allowed to re-register for that course in a subsequent academic year without being considered a repeat student. The date of commencement of the course shall be as determined by the Senate, for the purpose of this Rule.
  - 2.1.8 A student who is eligible to sit for the Final Examination in a course (under section 2.1.2) but has not done so may postpone sitting such examination, for a period stipulated by the Senate, without being considered as a re-sit candidate. Such a student shall be awarded the grade RX in respect of that course in which he/she is so absent.
- 2.2 The assessment of training modules shall be carried out in accordance with the Faculty approved guidelines, by an Assessment Panel appointed by the Faculty.
- 2.2.1 A student who is successful at the Final Assessment shall be awarded "Pass" in respect of that training module.
  - 2.2.2 A student who is unsuccessful at the Final Assessment shall be considered as "Fail", and he/she shall be required either repeat the training modules or meet the requirements as recommended by the Examiner(s), and obtain a "Pass".

### **3 Awards**

There shall be two awards in the Programme of Study as referred to in section 3.1 Bachelor of Technology Honours in Engineering Degree, and 3.2 Higher Diploma in an approved technology discipline.

#### **3.1 Award of Bachelor of Technology Honours Engineering Degree**

- 3.1.1 A candidate who obtains a minimum of 177 credits with grade C or above from level 3 and above and satisfies the training requirements for the award of the Degree of Bachelor of Technology Honours in Engineering as specified in Section 3 and Section 4 of the Regulations and satisfies any other academic requirements imposed by the Senate, and applies for the award of the Degree of Bachelor of Technology Honours in Engineering in a prescribed form, shall be awarded the Degree.
- 3.1.2 If a student satisfies 3.1.1 within a maximum stipulated period as determined by the Senate shall be awarded the Degree with:
  - First Class Honours, or
  - Second Class Honours (Upper Division) or
  - Second Class Honours (Lower Division) based on Grade Point Average computed in accordance with the guidelines given in section 3.1.6.
- 3.1.3 If a student fails to satisfy 3.1.1 within the stipulated maximum period shall be awarded the Degree without a Class.

- 3.1.5 The Board of Examiners shall also recommend the award of medals and prizes to the Senate.
- 3.1.6 Grade Point Average (GPA) shall be computed by considering the courses at levels 5 and 6 for a student who has satisfied the conditions for the award of the Degree of Bachelor of Technology Honours in Engineering in accordance with Regulation 3.1, in line with the procedure set out in sections 3.1.6(a), 3.1.6 (b), and 3.1.6 (c).

3.1.6(a)

The courses at levels 5 and 6 that proceed towards the calculation of credits for the award of the Degree of Bachelor of Technology Honours in Engineering, in accordance with Regulation 3.1, shall be allotted Grade Point Values (GPV) as stipulated below.

2.0 points per credit for grade C

2.3 points per credit for C+

2.7 points per credit for grade B-

3.0 point per credit for grade B

3.3 points per credit for grade B+

3.7 points per credit for grade A-

4.0 points per credit for grade A or A+

3.1.6(b)

The courses shall be listed in a priority order according to the Grade Point Values by taking all compulsory courses of the specialization first if applicable.

3.1.6 (c)

For the computation of GPA, the courses shall be selected from the list of courses in 3.1.6(b) in the order of listing such that sum of the credits of the courses thus selected is 84. In a situation, where exactly 84 credits cannot be obtained, the courses shall be selected to the nearest value below 84, and the remainder credit shall be taken as a *Part Credit* of the next course in the list in 3.1.6(b).

The Grade Point Average (GPA) shall be computed as follows:

$$GPA = \frac{\{\sum(Credit\ Rating\ of\ the\ Course) * (GPV)\} + (Part\ Credit\ of\ the\ Course) * (GPV)}{84}$$

- 3.1.7 A candidate shall be awarded the Degree of Bachelor of Technology Honours in Engineering according to the GPA obtained and subject to condition in Section 3.1.2 and Section 3.1.3 as follows:

3.00 > GPA ≥ 2.00:	Pass
3.30 > GPA ≥ 3.00:	Second Class Honours (Lower Division)
3.70 > GPA ≥ 3.30:	Second Class Honours (Upper Division)
GPA ≥ 3.70:	First Class Honours

### 3.2 Award of Higher Diploma in an approved technology discipline

- 3.2.1 A candidate who obtains a minimum of 90 credits with grade C or above at level 3 and/or above and satisfies the training requirements for the award of the Higher Diploma as specified in Section 3 and Section 4 of the Regulations, and applies for the award of the Higher Diploma in a prescribed form, shall be awarded such Higher Diploma.

## **4. Bachelor of Industrial Studies Honours Degree and Higher Diploma in an approved Industrial Discipline**

The Bachelor of Industrial Studies Honours Degree programme of the OUSL is carefully designed in accordance to the requirements of the Sri Lanka Quality Framework (SLQF) especially for persons presently employed in middle level management / technical grades in various industries.

It is also possible for a student to obtain a Higher Diploma in an approved Industrial Studies discipline after successfully completion of a required combination of courses and credit requirements as given under section 4.5

The normal entry qualification to the programme at level 3 and are given under section 4.4. Lateral entry at higher levels is also possible with higher qualifications, provided the minimum entry qualifications in section 4.4 are satisfied.

### **4.1 Duration**

The minimum duration of the Degree programme starting level 3 is 4 years.

### **4.2 Medium of instruction**

English

### **4.3 Area of Specializations**

- Agriculture
- Apparel production and management
- Fashion design and product development
- Textile manufacture

### **4.4 Eligibility for Admission to the Programme of Study**

A person seeking admission to the Programme of Study shall be required to have fulfilled the requirements listed below, for the specializations of Apparel production and management, Textile manufacture, and Fashion design and product development, and for the specialization of Agriculture respectively,

- **For Apparel production and management, Textile manufacture, and Fashion design and product development**
  - obtained Pass from any three subjects, at the General Certificate in Education (Advanced Level) Examination, Sri Lanka, or
  - obtained, by virtue of qualifications given in appendix-.1 (Table 2) a minimum total of 36 credits, or
  - secured an equivalent or higher qualification acceptable to the Senate.
- **For Agriculture**
  - obtained a Pass from Biology at the General Certificate in Education (Advanced Level) Examination, Sri Lanka and any other two subjects from among the subjects Chemistry, Physics, Combined mathematics and Agriculture, or
  - obtained, by virtue of qualifications given in appendix-.1 (Table 3) a minimum total of 36 credits with at least 12 credits under category A, or
  - secured an equivalent or higher qualification acceptable to the Senate.

## 4.5 Programme of Study and the requirements for the award of the Higher Diploma/Degree

The Programme of Study consists of a combination of courses and training modules as determined by the Senate and as specified in the Rules. The Rules shall specify the **category**, the **level** and the **credit rating** of each course, and the type and the duration of each training module in each study programme.

A student should acquire either by successful completion in accordance with the Scheme of Assessment or by exemption, as set out in the Rules, course credits and industrial training requirements as given below.

### 4.5.1 Requirements for the award of the Higher Diploma

The courses selected for the award of the Higher Diploma in Industrial Studies in an approved discipline shall be so as to meet the minimum requirements in each category as shown below in **Table 10**. If the credits gained in any category exceed the maximum limit shown, only such maximum shall be used in computing the total credits. In situations where a student has obtained credits in excess of maximum, such excess credits shall be eliminated by considering level 3 courses first and then 4, 5, and 6, such that the maximum possible credits are counted in each category. The credits gained in foundation level courses cannot be counted towards the award of the Diploma. In addition, the student needs to complete training modules (A pass in Workshop practice and industrial training module/s equivalent to 30 weeks duration) relevant to the specialisations (Section 4.8). The complete list of courses, with Prerequisites, is given under section 4.7

Table 10 - Course credits requirements for the award of Higher Diploma in an approved discipline

Category	Letter Denoting Category	Minimum credits	Maximum credits
Industrial	I	54 at level 3 or above, of which at least 18 at level 4 or above	72 at level 3 or above, of which at least 18 at level 4 or above
Engineering	X		
Management	M	0	18
General	J	0	18
Mathematics	Z	6	18
Project	Y	0	18
English	L/E	0	6
Computer literacy	K	0	6
Total		78 of which at least 36 credits at level 4 or above	

### 4.5.1 Requirements for the award of the Bachelor of Industrial Studies Honours Degree

The courses selected for the award of the Bachelor of Industrial Studies Honours Degree in an approved discipline shall be so as to meet the minimum requirements in each category as shown below in **Table 11**. If the credits gained in any category exceed the maximum limit shown, only such maximum shall be used in computing the total credits. In situations where a student has obtained credits in excess of maximum, such excess credits shall be eliminated by considering level 3 courses first and then 4, 5, and 6, such that the maximum possible credits are counted in each category. The credits gained in foundation level courses cannot be counted towards the award of the Diploma. In addition, the student needs to complete training modules (A pass in Workshop practice and industrial training module/s equivalent to 30 weeks duration) relevant to the specialisations (Section 4.8). The complete list of courses, with Prerequisites, is given under section 4.7

Table 11 - Course credits requirements for the award of Bachelor of Industrial Studies Honours Degree in an approved discipline

Category	Letter Denoting Category	Minimum credits	Maximum credits
Industrial	I	90	108
Engineering	X	subject to a minimum of 36 at levels 5 and 6	subject to a minimum of 36 at levels 5 and 6
Management	M	9	27
General	J	9	27
Mathematics	Z	12	30
Project	Y	12 subject to a minimum of 12 at level 6	30 subject to a minimum of 12 at level 6
English	L/E	0	6
Computer literacy	K	0	6
Total		150 subject to a minimum of 72 at levels 5 and 6, of which at least 36 at level 6.	

#### 4.6 Exemptions applicable to Industrial Studies Programme

Exemptions are generally granted from courses and training modules. However, for certain qualifications credits at certain levels and categories of courses are also granted (known as virtual credits). This is denoted by a code beginning with letters 'VR'.

The recommended exemptions are only granted to the students who have satisfied the admission requirement to the Programme of Study.

The exemptions other than those given below may be granted with the approval of the Faculty Board and the Senate

Also note that according to the rules and regulations (Section 4.2), notwithstanding exemptions obtained, students must follow and pass a minimum number of course credits in order to receive Higher Diploma in Industrial Studies and Bachelor of Industrial Studies (Honours) degree as mentioned below.

- Minimum credit requirement a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Higher Diploma is **39** credits at level 3 and/or 4, and at least 18 credits at level 4 with **30** credits from categories of Industrial, Engineering and Mathematics, of which **9** credits at level 4
- Minimum credit requirement a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Degree is **75** credits at level 3 and/or above, of which **36** credits at levels 5 and 6 and at least **18** credits from level 6, with **24** credits from categories of Industrial, Engineering, and Projects

#### 4.7 List of compulsory courses required for specialisation in a particular field of discipline.

The following pages give the list of compulsory courses which a student should complete in order to be awarded the Higher Diploma/Degree. **Apart from given course lists below, students should select optional courses from complete list of courses (section 4.7) offered under Industrial Studies programme to fulfil the requirements of the award, considering pre-requisites & exclusive combinations.**

## Agriculture

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X/I	Y	Z	M	J	K	L
Bachelor of Industrial Studies Honours Degree	Higher Diploma in Industrial Studies	1	AEI3234	Agricultural Biology I		6					
			AEI3235	Land and Soil Tillage Management		6					
			AEI3236	Postharvest Biology and Technology I	AEI3234 (CR)	6					
			AEX4239	Crop Production and Farming Systems		6					
			PCU1142	Bio Statistics			3				
			AEZ3238	Mathematics for Agriculture			6				
			AEJ4233*	Rural Sociology					6		
	Higher Diploma in Industrial Studies	2	AEX4230	Integrated Crop Production	AEX3230 (CR)	6					
			AEX4240	Plant and Soil Science	-	6					
			PCU2142	Design and Analysis of Experiments	PCU1142 (CR)		3				
			<i>Four courses including either AEM4234 or AEM4235 from:</i>			6					
			AEX4231	Food and Nutrition	AEX4230 (CR)	6					
			AEX4232	Soil and Water Conservation	MPZ3231(CR)	6					
			AEI4238	Agricultural Biology II		6					
			AEX4237	Irrigation and Drainage Engineering	AEX4232 (EL)	6					
			AEM4234*	Agricultural Economics and Management				6			
			AEM4235*	Agricultural Marketing	-			6			
		<b>Minimum credits for the Higher Diploma in Industrial Studies</b>				<b>78<sup>1</sup></b>	<b>54<sup>2</sup></b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>
	Bachelor of Industrial Studies Honours Degree	3	AEX5243	Farm Power and Machinery	AEI3235 (P) or AEX3231 (P)	6					
			AEI5244	Postharvest Biology and Technology II	AEI3236 (P)	6					
			AEX5232	Soil Plant and Water Relationship	AEX4240 (P)	6					
			AEX6235	Hydrology and Water Resources	AEX4240 (P), PSU1182 (P)	6					
			AEJ5240	Indigenous Knowledge of Herbal Products	Pass in 18 credits at level 3 and further 18 credits eligibility at level 4 or above				6		
			AEM5246	Agricultural Extension	Pass in 36 credits at level 3 or above			6			
			<i>One from:</i>								
			AEI5230	Fisheries and Aquaculture	AEI4238 (EL)	6					
			AEI5241	Agricultural Biotechnology I	AEI3234 (P)	6					
			AEI6138	Fruit Crop and Cut Flower Production	AEX4239 (P), AEI3234 (P)	6					
		4	AEX6234	Environmental Control in Farm Structures	AEX4239 (P), AEI3234 (P)	6					
			AEY6596	Individual Project (Agriculture)	Pass in 18 credits at level 5 and eligibility in 18 credits at level 5 or above, AEW3291 (P) or AEW4002 and AEW5002, PSU1182/PSZ3182/PCU1142, PSU2182/PSZ4130/PCU2142		15				
			<i>Two or three from: to fulfil 12 credits</i>								
			AEX6236	Food Processing	AEX4231 (P)	6					
			AEI6132	Ground water resources management	AEI6235(CR)	3					
			AEI6137	Impact of Climate Change on Water resources	AEI6235(CR)	3					
			AEI6239	Animal husbandry & Production	AEI4238(P)	6					
			AEI6250	Advanced Biotechnology	AEI5241 (EL)	6					
		<b>Minimum credits for the Bachelor of Industrial Studies Honours Degree</b>				<b>150<sup>3</sup></b>	<b>90<sup>4</sup></b>	<b>12<sup>5</sup></b>	<b>12</b>	<b>9</b>	<b>9</b>

<sup>1</sup> 78 credits of which at least 36 at level 4 or above

<sup>2</sup> 54 at level 3 or above, of which at least 18 at level 4 or above

<sup>3</sup> 150 credits subjected to a minimum of 72 at levels 5 & 6 of which at least 36 at level 6

<sup>4</sup> 90 credits subjected to a minimum of 36 at levels 5 & 6

<sup>5</sup> subjected to a minimum of 12 at level 6

\* For the Higher Diploma in Industrial Studies, J and M courses are not compulsory.

### Training requirements

Course Code	Course Name	Prerequisites	Duration
AEW4002	Industrial Training I (Agriculture)	AEX3230(P), AEI3234(P), pass in 18 credits at level 3 and eligibility in 18 credits at level 4	15 weeks
AEW5002	Industrial Training II (Agriculture)	AEW4002(P), AEX5232(EL), AEI5244(EL) or AEI5254(EL), pass in 9 credits at level 4 or above, eligibility in additional 18 credits at level 5 and above	15weeks

## Apparel Production & Management

Prog.		Year	Course Code	Course Name	Prerequisites	Category							
						X/I	Y	Z	M	J	K	L	
Bachelor of Industrial Studies Honours Degree	Higher Diploma in Industrial Studies	1	TTX3237	Fibre to fabrics	None	6							
			TTI3238	Garment accessories	None	6							
			TTI3240	Pattern construction	None	6							
			TTX3239	Garment analysis and sewing machinery	None	6							
			TTI3241	Production planning and organisation	None	6							
			TTZ4241	Statistics for industrial studies	None			6					
	2	TTM4239	Management studies	None					6				
		TTX4233	Quality assurance for textiles and clothing	None	6								
		TTX4238	Garment manufacture	TTX3239 (EL)	6								
	Minimum credits for the Higher Diploma in Industrial Studies					78 <sup>1</sup>	54 <sup>2</sup>	0	6	0	0	0	0
		3	TTI5139	Current topics in textiles and clothing	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above	3							
			TTX5234	Plant utilities	None	6							
		4	TTY6595	Individual project –Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above								
			TTX6265	Fabric technology	TTX3237 (EL), Eligibility in 42 credits								
	TTX6239		Ergonomics	Eligibility of 36 credits at level 4 or above									
	Minimum credits for the Bachelor of Industrial Studies Honours Degree					150 <sup>3</sup>	90 <sup>4</sup>	12 <sup>5</sup>	12	9	9	0	0

<sup>1</sup> 78 credits of which at least 36 at level 4 or above

<sup>2</sup> 54 at level 3 or above, of which at least 18 at level 4 or above

<sup>3</sup> 150 credits subjected to a minimum of 72 at levels 5 & 6 of which at least 36 at level 6

<sup>4</sup> 90 credits subjected to a minimum of 36 at levels 5 & 6

<sup>5</sup> subjected to a minimum of 12 at level 6

\* For the Higher Diploma in Industrial Studies, J and M courses are not compulsory.

Note: Apart from given course list above, students can select optional courses from complete list of courses offered under BIS, Considering pre-requisites & exclusive combinations

Note: From following combination students can claim only one course for credit calculation. \*TTI3243 & TTI5243

## Training requirements

Course Code	Course Name	Prerequisites	Duration
TTW4001	Industrial training (Apparel I)	TTI3235 (P) or [TTX3239(P), TTI3241(P)] or [TTI3235(EL), Pass in 18 credits at level 3 or above ] or [TTX3239(EL), TTI3241(EL), Pass in 18 credits at level 3 or above]	15 weeks
TTW5001	Industrial training (Apparel II)	[TTW4001(CR) or TTW3293(CR)], TTX4238(EL), Eligibility in 18 credits at level 4 or above	15weeks



## Fashion Design and Product Development

Prog.	Year	Course Code	Course Name	Prerequisites	Category								
					X/I	Y	Z	M	J	K	L		
Bachelor of Industrial Studies Honours Degree	Higher Diploma in Industrial Studies	1	TTX3237	Fibre to fabrics	None	6							
			TTI3240	Pattern construction	None	6							
			TTI3238	Garment accessories	None	6							
			TTI3243	Concept of fashion design	None	6							
			TTX3239	Garment analysis and sewing machinery	None	6							
			TTI3142	Concept of fashion	None	3							
			TTJ3146	Fashion illustration I	None					3			
	2	TTJ4247	Fashion illustration II	TTJ3146 (EL)					6				
		TTX4238	Garment manufacture	TTX3239 (EL)	6								
		TTI4245	Process of fashion design	TTI3243 (EL)	6								
		Minimum credits for the Higher Diploma in Industrial Studies					78 <sup>1</sup>	54 <sup>2</sup>	0	6	0	0	0
	3	TTI5238	Advanced pattern construction	TTI3240 (P)	6								
			TTI5148	Design through draping	TTI3240 (P), Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above	3							
		TTI5154	Computer aided pattern drafting	TTI3240 (P), Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above	3								
		TTI5159	Computer aided fashion illustration	TTI3142 (EL), TTI3243 (EL), TTI4245 (EL), TTJ4247 (EL)	3								
		TTI5263	Fashion design development	TTJ3146 (P), TTJ4247 (EL), Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above	3								
		TTJ5142	History & traditions of clothing	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above					3				
		TTY6190	Inspiration of fashion design	TTI3142 (P), TTI3243 (P), TTI4245 (P), TTJ4247 (P), TTJ3146 (P)		3							
		4	TTY6491	Creative fashion design	TTY6190 (P)		12						
			TTM6240	Fashion Marketing	TTI3142 (P), TTM4239(CR), Eligibility in 36 credits at Level 4 or above				6				
	TTI6369		Visual presentation and exhibition design	TTI5263(EL), TTY6190(CR)	9								
Minimum credits for the Bachelor of Industrial Studies Honours Degree					150 <sup>3</sup>	90 <sup>4</sup>	12 <sup>5</sup>	12	9	9	0	0	

<sup>1</sup> 78 credits of which at least 36 at level 4 or above

<sup>2</sup> 54 at level 3 or above, of which at least 18 at level 4 or above

<sup>3</sup> 150 credits subjected to a minimum of 72 at levels 5 & 6 of which at least 36 at level 6

<sup>4</sup> 90 credits subjected to a minimum of 36 at levels 5 & 6

<sup>5</sup> subjected to a minimum of 12 at level 6

\* For the Higher Diploma in Industrial Studies, J and M courses are not compulsory.

Note: Apart from given course list above, students can select optional courses from complete list of courses offered under BIS, Considering pre-requisites & exclusive combinations

Note: From following combination students can claim only one course for credit calculation. \*TTI3243 & TTI5243

## Training requirements

Course Code	Course Name	Prerequisites	Duration
TTW4002	Industrial training (Fashion I)	TTI3142 (EL) and TTI3243 (EL)	15 weeks
TTW5002	Industrial training (Fashion design and product development)	[TTW4002(CR) or TTW3294(CR)], Eligibility in 18 credits at level 4 or above	15weeks

## Textile Manufacture

Prog.	Year	Course Code	Subject Name	Prerequisites	Category						
					X/I	Y	Z	M	J	K	L
Bachelor of Industrial Studies Honours Degree	Higher Diploma in Industrial Studies	1	TTX3231	Fibre science and technology	None	6					
			TTX3234	Textile preparation	None	6					
			TTI3236	Fabric structure and analysis	None	6					
			TTX3239	Garment analysis and sewing machinery	None	6					
			TTX4260	Woven fabric technology	None	6					
			TTZ4241	Statistics for industrial studies	None			6			
			TTX3232	Yarn manufacture I	None	6					
	2		TTM4239	Management studies	None				6		
			TTX4233	Quality assurance for textiles and clothing	None	6					
			TTX4234	Textile colouration and finishing	TTX3234 (EL)	6					
		<b>Minimum credits for the Higher Diploma in Industrial Studies</b>				<b>78<sup>1</sup></b>	<b>54<sup>2</sup></b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>
	3		TTI5139	Current topics in clothing and textiles	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above	3					
			TTX5234	Plant utilities	None	6					
			TTX5262	Knitting technology	None	6					
			TTX6239	Ergonomics	Eligibility of 36 credits at level 4 or above	6					
		4	TTY6595	Individual project -Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above		12				
			TTX6263	Speciality fabrics	TTX5262 (EL), TTX4260 (EL)				6		
			TTX6233	Technical textiles	Eligibility of 36 credits at level 4 or above	9					
			TTX6162	Advanced colouration	TTX4232 (EL) or TTX4234 (EL)						
		<b>Minimum credits for the Bachelor of Industrial Studies Honours Degree</b>				<b>150<sup>3</sup></b>	<b>90<sup>4</sup></b>	<b>12<sup>5</sup></b>	<b>12</b>	<b>9</b>	<b>9</b>

<sup>1</sup> 78 credits of which at least 36 at level 4 or above

<sup>2</sup> 54 at level 3 or above, of which at least 18 at level 4 or above

<sup>3</sup> 150 credits subjected to a minimum of 72 at levels 5 & 6 of which at least 36 at level 6

<sup>4</sup> 90 credits subjected to a minimum of 36 at levels 5 & 6

<sup>5</sup> subjected to a minimum of 12 at level 6

\* For the Higher Diploma in Industrial Studies, J and M courses are not compulsory.

Note: Apart from given course list above, students can select optional courses from complete list of courses offered under BIS, Considering pre-requisites & exclusive combinations (Those who wish to exit with the Higher Diploma have to select 18 credits from "X" & "I" categories, including 6 credits from level 4 to full fill the criteria)

Note: From following combination students can claim only one course for credit calculation. \*TTI3243 & TTI5243

## Training requirements

Course Code	Course Name	Prerequisites	Duration
<b>Select any two</b>			
TTW4001	Industrial training (Apparel I)	TTI3235 (P) or [TTX3239(P), TTI3241(P)] or [TTI3235(EL), Pass in 18 credits at level 3 or above ] or [TTX3239(EL), TTI3241(EL), Pass in 18 credits at level or above]	15weeks
TTW5003	Industrial training (Yarn manufacture)	TTX3232(P) or [TTX3232(EL), Pass in 18 credits]	15weeks
TTW5004	Industrial training (Weaving)	TTX4260(P) or [TTX4260(EL), Pass in 18 credits]	15weeks
TTW5005	Industrial training (Chemical processing)	TTX4232(P) or [TTX4232(EL), Pass in 18 credits] or TTX4234(P) or [TTX4234(EL), Pass in 18 credits]	15weeks
TTW5006	Industrial training (Knitting)	TTX5262(CR) or TTX4242(CR), Pass in 18 credits	15weeks
TTW5003	Industrial training (Yarn manufacture)	TTX3232(P) or [TTX3232(EL), Pass in 18 credits]	15weeks

#### 4.7 Complete list of courses offered under for Industrial Studies programme

The complete list of courses that are offered in Industrial Engineering programme with respective **prerequisites and co-requisites** are given below. Students, after offering the compulsory courses for the relevant programme, should select additional courses from this list. While selecting the additional courses, students must ensure that the conditions regarding **credit, level and category requirements** for the award of the /Higher Diploma/Degree are met.

##### 4.7.1 Courses offered at level 3

If not mentioned otherwise, prerequisites for all courses at level 3 are EDE3001(CR), LSE3204 (CR) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
ECX3210	Electro-techniques	MPZ3231(CR)
MEX3211	Communicating engineering information	None
TTX3231	Fibre science and technology	None
TTX3232	Yarn manufacture I	None
TTX3234	Textile preparation	None
TTX3237	Fibre to fabrics	None
TTX3239	Garment analysis and sewing machinery	None

Industrial (I) category courses		
Course Code	Course Name	Prerequisites
AEI3234	Agricultural Biology I	
AEI3235	Land and Soil Tillage Management	
AEI3236	Postharvest Biology and Technology I	AEI3234 (CR)
TTI3236	Fabric structure and analysis	None
TTI3238	Garment accessories	None
TTI3240	Pattern construction	None
TTI3241	Production planning and organisation	None
TTI3142	Concept of fashion	None
TTI3243	Concepts of fashion design	None

Mathematics (Z) category courses		
Course Code	Course Name	Prerequisites
MPZ3231	Engineering mathematics 1A	None
MPZ3132	Engineering mathematics 1B	MPZ3231(CR)
PCU1142	Bio Statistics	None

General (J) category courses		
Course Code	Course Name	Prerequisites
LWJ3160	Introduction to laws of Sri Lanka	None
TTJ3146	Fashion illustration I	None

Computer literacy (K) category courses		
Course Code	Course Name	Prerequisites
MEK3170	C Programming	None
MEK3289	Computer aided drafting	MEX3211(CR)

Language(L or E) category courses		
Course Code	Course Name	Prerequisites
LSE3204	English for general academic purpose	None

#### 4.7.2 Courses offered at level 4

If not mentioned otherwise, prerequisites for all courses at level 4 are EDE3001(EL), LSE3204 (EL) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX4230	Integrated crop protection	AEX3230(CR)
AEX4231	Food and nutrition	AEX4230 (CR)
AEX4232	Soil and water conservation	MPZ3231(CR)
AEX4237	Irrigation and drainage engineering	AEX4232 (EL)
AEX4239	Crop production and farming systems	None
AEX4240	Plant and soil science	None
TTX4232	Textile colouration	None
TTX4233	Quality assurance for textiles and clothing	None
TTX4234	Textile colouration and finishing	TTX3234 (EL)
TTX4238	Garment manufacture	TTX3239 (EL)
TTX4242	Knitted garment technology	None
TTX4260	Woven fabric technology	None

Industrial (I) category courses		
Course Code	Course Name	Prerequisites
AEI4238	Agricultural Biology II	None
TTI4245	Process of fashion design	TTI3243 (EL)

Mathematics (Z) category courses		
Course Code	Course Name	Prerequisites
MPZ4230	Engineering mathematics II	MPZ3231(EL), MPZ3132(EL)
TTZ4241	Statistics for industrial studies	None
PCU2142	Design and Analysis of Experiments	PCU1142 (CR)

Management (M) category courses		
Course Code	Course Name	Prerequisites
AEM4234	Agricultural Economics and Management	None
AEM4235	Agricultural Marketing	None
TTM4239	Management studies	None

General (J) category courses		
Course Code	Course Name	Prerequisites
AEJ4233	Rural sociology	None
MPJ4132	History of technology	Pass in 15 credits and eligibility in additional 15 credits
MPJ4133	Introduction to laws of Sri Lanka	
TTJ4247	Fashion Illustration II	TTJ3146 (EL)

#### 4.7.3 Courses offered at level 5

If not mentioned otherwise, prerequisites for all courses at level 5 are EDE3001(P), LSE3204 (P) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX5232	Soil Plant and Water Relationship	AEX4240 (P)
AEX5243	Farm Power and Machinery	AEI3235 (P) or AEX3231 (P)
TTX5232	Yarn and fabric mechanics	MPZ3231(EL), TTX3232(P), TTX4260(P)
TTX5234	Plant utilities	None
TTX5262	Knitting technology	None

Industrial (I) category courses		
Course Code	Course Name	Prerequisites
AEI5230	Fisheries and Aquaculture	AEI4238 (EL)
AEI5241	Agricultural Biotechnology I	AEI3234 (P)
AEI5244	Postharvest Biology and Technology II	AEI3236 (P)
TTI5238	Advanced pattern construction	TTI3240 (P)
TTI5139	Current topics in textiles and clothing	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above
TTI5243	Principles of fashion design	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above
TTI5145	Foundation garments	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above
TTI5146	Industrial garment washing and finishing	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above
TTI5148	Design through draping	TTI3240 (P), Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above
TTI5154	Computer aided pattern drafting	TTI3240 (P), Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above
TTI5159	Computer aided fashion illustration	TTI3142 (EL), TTI3243 (EL), TTI4245 (EL), TTJ4247 (EL)
TTI5263	Fashion design development	TTJ3146 (P), TTJ4247 (EL), Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above

Mathematics (Z) category courses		
Course Code	Course Name	Prerequisites
MPZ5230	Engineering mathematics III	MPZ3231(P), MPZ3132(P), MPZ4230(EL)
TTZ5244	Quantitative techniques	TTZ4241 (EL) or PSU1142 (EL)

Management (M) category courses		
Course Code	Course Name	Prerequisites
AEM4235	Agricultural Marketing	None
MEM5336	Management for engineers	Pass in 75 credits
TTM5240	Apparel merchandising	TTM4239 (CR)

General (J) category courses		
Course Code	Course Name	Prerequisites
AEJ5240	Indigenous Knowledge of Herbal Products	Pass in 18 credits at level 3 and further 18 credits eligibility at level 4 or above
MPJ5231	The nature of science	Pass in 72 credits
MPJ5233	Technology, society and environment	Pass in 72 credits
MPJ5134	The nature of mathematics I	Pass in 72 credits
TTJ5142	History & traditions of clothing	Pass in 18 credits at Level 3, Eligibility in 18 credits at Level 4 or above

#### 4.7.4 Courses offered at level 6

If not mentioned otherwise, prerequisites for all courses at level 6 are EDE3001(P), LSE3204 (P) or VRL1201

Engineering (X) category courses		
Course Code	Course Name	Prerequisites
AEX6234	Environmental Control in Farm Structures	AEX4239 (P), AEI3234 (P)
AEX6235	Hydrology and Water Resources	AEX4240 (P), PSU1182 (P)
AEX6236	Food Processing	AEX4231 (P)
TTX6233	Technical textiles	Eligibility of 36 credits at level 4 or above
TTX6135	Textile product engineering	Eligibility of 36 credits at level 4 or above
TTX6239	Ergonomics	Eligibility of 36 credits at level 4 or above
TTX6260	Advanced woven fabric technology	TTX4260 (EL)
TTX6261	Yarn manufacture II	TTX3232 (EL)
TTX6162	Advanced coloration	TTX4232 (EL) or TTX4234(EL)
TTX6263	Speciality fabrics	TTX5262 (EL), TTX4260 (EL)
TTX6264	Nonwoven textiles	TTX3231 (EL)
TTX6265	Fabric technology	TTX3237 (EL), Eligibility in 42 credits

Industrial (I) category courses		
Course Code	Course Name	Prerequisites
AEI6132	Ground water resources management	AEI6235(CR)
AEI6137	Impact of Climate Change on Water resources	AEI6235(CR)
AEI6138	Fruit Crop and Cut Flower Production	AEX4239 (P), AEI3234 (P)
AEI6239	Animal husbandry & Production	AEI4238(P)
AEI6250	Advanced Biotechnology	AEI5241 (EL)
TTI6369	Visual presentation and exhibition design	TTI5263(EL), TTY6190(CR)

General (J) category courses		
Course Code	Course Name	Prerequisites
MPJ6134	Nature of mathematics II	??
MPJ6133	Development in modern physics	??

Management (M) category courses		
Course Code	Course Name	Prerequisites
TTM6240	Fashion marketing	TTI3142 (P), TTM4239(CR), Eligibility in 36 credits at Level 4 or above

Engineering Projects(Y) category courses		
Course Code	Course Name	Prerequisites
AEY6596	Individual Project (Agriculture) - Type B	Pass in 18 credits at level 5 and eligibility in 18 credits at level 5 or above, AEW3291 (P) or AEW4002 and AEW5002, PSU1182/PSZ3182/PCU1142, PSU2182/PSZ4130/PCU2142
TTY6595	Individual project-Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above
TTY6190	Inspiration of fashion design	TTI3142 (P), TTI3243 (P), TTI4245 (P), TTJ4247 (P), TTJ3146 (P)
TTY6496	Group project (Textile & Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above
TTY6491	Creative fashion design	TTY6190 (P)
TTY6197	Project identification and literature survey	Pass in 9 credits at level 5 or above
TTY6498	Individual project -Type A (Textile and Apparel)	TTY6197 (P)

## 4.8 Complete list of training modules offered under Industrial Studies programme

Course Code	Course Name	Prerequisites	Duration
AEW4002	Industrial Training I (Agriculture)	AEX3230(P), AEI3234(P), pass in 18 credits at level 3 and eligibility in 18 credits at level 4	15 weeks
AEW5002	Industrial Training II (Agriculture)	AEW4002(P), AEX5232(EL), AEI5244(EL) or AEI5254(EL), pass in 9 credits at level 4 or above, eligibility in additional 18 credits at level 5 and above	15weeks
TTW4001	Industrial training (Apparel I)	TTI3235 (P) or [TTX3239(P), TTI3241(P)] or [TTI3235(EL), Pass in 18 credits at level 3 or above ] or [TTX3239(EL), TTI3241(EL), Pass in 18 credits at level 3 or above]	15weeks
TTW4002	Industrial training (Fashion I)	TTI3142 (EL) and TTI3243 (EL)	15weeks
TTW5001	Industrial training (Apparel II)	[TTW4001(CR) or TTW3293(CR)], TTX4238(EL), Eligibility in 18 credits at level 4 or above	15weeks
TTW5002	Industrial training (Fashion design and product development)	[TTW4002(CR) or TTW3294(CR)], Eligibility in 18 credits at level 4 or above	15weeks
TTW5003	Industrial training (Yarn manufacture)	TTX3232(P) or [TTX3232(EL), Pass in 18 credits]	15weeks
TTW5004	Industrial training (Weaving)	TTX4260(P) or [TTX4260(EL), Pass in 18 credits]	15weeks
TTW5005	Industrial training (Chemical processing)	TTX4232(P) or [TTX4232(EL), Pass in 18 credits] or TTX4234(P) or [TTX4234(EL), Pass in 18 credits]	15weeks
TTW5006]	Industrial training (Knitting)	TTX5262(CR) or TTX4242(CR), Pass in 18 credits	15weeks

## 4.9 Excluded combinations

Students may not claim credit for more than one course in each of the following combinations of courses given below. In a situation, where a student has obtained credits from mutually excluded courses, the following sequence of considerations shall be conducted to decide on which of the course/s is/are to be retained.

1. Retain the one necessary for final credit total
2. Retain the one in the compulsory list where applicable
3. Retain the one that has an impact on the category minimum credit requirements
4. Retain the one that has an impact on minimum level-credit requirements
5. Retain the one with largest GPV – partial inclusion allowed so as to retain maximum credits where credits of the courses are not the same (but not contravene 1, 2, 3 and 4)

TTX3234 and TTX4232	TTM4239 and MEM5336	TTX4231 and TTX4262
TTI3235 and TTI3238	TTM4239 and TTM5361	TTX6231 and TTX6162
TTI3235 and TTI3240	TTM5361 and MEM5336	TTX5237 and TTX6263
TTI3235 and TTX4238	TTX5136 and TTX6239	TTX5235 and TTX6265
TTI3142 and TTI5243	TTI3239 and TTX3239	TTY5253 and TTI5263
TTI3243 and TTI5243	TTI4238 and TTX4238	TTX3232 and TTX4261
TTX4234 and TTX4232	TTX3255 and TTX4260	



## 4.10 Scheme of Assessment

[As indicated in section 3.12]

## 4.11 Award

[Extracts from relevant Rules and Regulations applicable to the above awards]

### 3 Awards

There shall be two awards in the Programme of Study as referred to in section 3.1 Bachelor of Industrial Studies Honours Degree, and in 3.2 Higher Diploma in an approved industrial studies discipline.

#### 3.1 Award of Bachelor of Industrial Studies Honours Degree

3.1.1 A candidate who obtains a minimum of 150 credits with grade C or above from level 3 and above and satisfies the training requirements for the award of the Degree of Bachelor of Industrial Studies as specified in Section 3 and Section 4 of the Regulations and satisfies any other academic requirements imposed by the Senate, and applies for the award of the Degree of Bachelor of Industrial Studies Honours in the prescribed form, shall be awarded the Degree.

3.1.2 If a student satisfies 3.1.1 within a maximum stipulated period as determined by the Senate shall be awarded the Degree with:

First Class Honours, or

Second Class Honours (Upper Division) or

Second Class Honours (Lower Division) based on Grade Point Average computed in accordance with the guidelines given in section 3.1.6.

3.1.3 If a student fails to satisfy 3.1.1 within the stipulated maximum period shall be awarded the Degree without a Class.

3.1.5 The Board of Examiners shall also recommend the award of medals and prizes to the Senate.

3.1.6 Grade Point Average (GPA) shall be computed by considering the courses at levels 5 and 6 for a student who has satisfied the conditions for the award of the Bachelor of Industrial Studies Honours Degree in accordance with Regulation 3.1, in line with the procedure set out in sections 3.1.6(a), 3.1.6 (b), and 3.1.6 (c).

##### 3.1.6(a)

The courses at levels 5 and 6 that proceed towards the calculation of credits for the award of the Degree of Bachelor of Industrial Studies Honours, in accordance with Regulation 3.1, shall be allotted Grade Point Values (GPV) as stipulated below.

2.0 points per credit for grade C

2.3 points per credit for C+

2.7 points per credit for grade B-

3.0 point per credit for grade B

3.3 points per credit for grade B+

3.7 points per credit for grade A-

4.0 points per credit for grade A or A+

##### 3.1.6(b)

The courses shall be listed in a priority order according to the Grade Point Values by taking all compulsory courses of the specialization first if applicable.

##### 3.1.6(c)

For the computation of GPA, the courses shall be selected from the list of courses in 3.1.6(b) in the order of listing such that sum of the credits of the courses thus selected is 72. In a situation, where exactly 72 credits cannot be obtained, the courses shall be selected to the nearest value below 72, and the remainder credit shall be taken as a *Part Credit* of the next

course in the list in 3.1.6(b).

The Grade Point Average (GPA) shall be computed as follows:

$$GPA = \frac{\{\sum(Credit\ Rating\ of\ the\ Course) * (GPV)\} + (Part\ Credit\ of\ the\ Course) * (GPV)}{72}$$

- 3.1.7 A candidate shall be awarded the Degree of Bachelor of Industrial Studies Honours according to the GPA obtained and subject to condition in Section 3.1.2 and Section 3.1.3 as follows:

3.00 > GPA ≥ 2.00:	Pass
3.30 > GPA ≥ 3.00:	Second Class Honours (Lower Division)
3.70 > GPA ≥ 3.30:	Second Class Honours (Upper Division)
GPA ≥ 3.70:	First Class Honours

### **3.2 Award of Higher Diploma in an approved industrial studies discipline**

- 3.2.1 A candidate who obtains a minimum of 78 credits with grade C or above at level 3 and/or above and satisfies the training requirements for the award of the Higher Diploma in an approved industrial studies discipline as specified in Section 3 and Section 4 of the Regulations, and applies for the award of the Higher Diploma in a prescribed form, shall be awarded such Higher Diploma.
- 3.2.3 The Board of Examiners shall also recommend the award of medals and prizes, if any, to the Senate.

## 5. Postgraduate Programmes

The Faculty of Engineering Technology offers Postgraduate Diploma in Technology and Master of Technology programmes in selected areas. At present, PGDipTech and MTech programmes are available in three areas of specialisation.

### 5.1 Duration

The minimum duration for the PGDipTech and MTech programmes is 1 year each respectively.

### 5.2 Medium of instruction

English

### 5.3 Area of Specializations

- Construction Management
- Industrial Engineering
- Apparel Production and Management

The Construction Management specialisation is designed with the aim of providing knowledge and skills required by the academically and/or professionally qualified engineers to fit into managerial roles in the construction industry, to enhance quality, efficiency and productivity of respective projects/organisations.

The Industrial Engineering specialisation is designed to suit the critical needs in modern society for an engineering approach to solving problems relating to the interplay of people, productivity, information, and management. The aim of the programme is to produce effective engineering managers who are able to drive their organisations to higher levels of achievement and thus contribute to organisational productivity through upgrading managerial talents

The Apparel Production and Management specialisation is designed, with emphasis on the apparel sector, to produce effective managers who will be competent to successfully manage and lead industrial or national organisations

### 5.4 Eligibility for Admission to the Programme of Study

Students hoping to register for the Construction Management and Industrial Engineering programmes should hold a degree in Engineering. For further information you may contact Eng. Dr. DAR Dolage, (0112881289) Programme coordinator for Construction Management, at the Department of Civil Engineering. For Industrial Engineering, you may contact Programme coordinator, Dr. KED Sumanasiri (0112881086) at the Department of Mechanical Engineering.

The applicants for these two programmes should have:

- A degree of Bachelor of Technology (Engineering) in a relevant discipline, from the OUSL, or
- A degree of Bachelor of Science of Engineering in a relevant discipline, from a recognised university, or
- Associate Membership of the IESL in a relevant discipline

**And**

- Minimum of two years post-qualifying and relevant experience in industry at the closing date of applications.

In the case of Apparel Production and Management programme, please contact programme coordinator Eng. Dr. - Ing. MER Perera (0112881061) at the Department of Textile and Apparel Technology for clarifications.

Students who possess a Bachelor's Degree in Textile and Apparel Technology or Bachelor of Industrial Studies or any other discipline are eligible to apply for the postgraduate programme in Apparel Production and Management.

Those who possess professional qualifications in the field of textile and apparel technology, CIMA, CIM Apparel Merchandising (with appropriate additional credits) are eligible to seek for provisional registration.

A person who does not satisfy the requirements described above may be admitted to the programme of study if such a person possesses other relevant qualifications and experience acceptable to the Senate.

After evaluation of applications, successful prospective candidates will be called for an interview by the relevant Departments, where the candidates are required to produce original certificates pertaining to the identity, academic/professional qualifications, and experience. The respective Programme Supervisor will inform the time, venue and any other requirements for this interview.

**Note:** Those who successfully complete the requirements in the PGDipTech programme may proceed to the MTech programme. Please note that all the students those who are following the postgraduate diploma and master's degree programmes are required to maintain their studentship until completion of the respective programmes.

## Postgraduate Diploma in Technology in Construction Management

Following are the courses available for the Construction Management specialisation:

### Compulsory Courses

Courses in the following table are compulsory requirements for the Postgraduate Diploma in Technology (Construction Management)

Course Code	Course Title
CEX7101	Planning and control in the construction industry
CEM7102	Human resource management in the construction industry
CEM7103	Financial management and taxation in the construction industry
CEX7104	Estimating, tendering and marketing in the construction industry
CEX7105	Construction contracts and claims
CEM7106	Law and the construction industry
CEX7107	Construction productivity and quantitative techniques
CEX7108	Cost control and cash flow in the construction industry
CEX7109	Management of the design phase and quality control
CEX7112	Management information systems for the construction industry

### Optional Courses

In order to complete the Postgraduate Diploma, students would be required to offer a minimum of two courses from the optional courses given below:

Course Code	Course Title
CEX7110	Construction project appraisal
CEX7111	Construction plant management and construction safety
CEX7113	Real estate and property development

### Stand Alone Courses

Applicants offering courses from the PG Diploma in Technology (Construction Management) programme, as Stand-Alone courses, need to fulfil the requirements indicated below:

Course Code	Pre-requisite
CEX7101, CEX7108, CEX7111	Degree in civil/mechanical engineering or equivalent
CEM7102, CEM7103, CEX7104, CEX7105, CEM7106, CEX7113	Adequate experience in construction industry
CEX7110, CEX7112	Degree in civil engineering or equivalent

## Master of Technology in Construction Management

Those who successfully complete all the requirements of the Postgraduate Diploma programme in Construction Management may proceed to the Master of Technology programme, offering the following course under the **Research Option**.

Course Code	Course Title
CEY7C14	Research project

The student should undertake a comprehensive research study and submit a Dissertation in order to successfully complete the Research Project of 36 credits weightage. This should be done under close guidance of an academic supervisor assigned by the Department.

## Postgraduate Diploma in Technology in Industrial Engineering

Following are the courses available for the Industrial Engineering specialisation:

### Compulsory Courses

Courses in the following table are compulsory requirements for the Postgraduate Diploma in Technology (Industrial Engineering):

Course Code	Course Title
MEX7211	Operations research
MEM7212	Business organisation and management
MEM7213	Industrial economics and accounting
MEX7214	Quality and reliability engineering
MEX7215	Production planning and materials management
MEM7216	Human resource management

## Master of Technology in Industrial Engineering

Those who successfully complete all the courses in the PG Diploma programme in Industrial Engineering may proceed to the Master of Technology programme, offering the following courses under the **Course Option**.

### Compulsory Courses

Course Code	Course Title
MEM7117	Strategic management
MEX7118	Technology management
MEX7119	Maintenance management
MEX7120	Project management
MEY7621	Research project
LWJ7101	Law and industry

### Optional Courses

In order to complete the Master of Technology in Industrial Engineering, students would be required to offer minimum of one course from the optional courses given below.

Course Code	Course Title
MEX7124	Cleaner production for waste management
MEX7125	Energy management in industries
CEX7105	Construction contracts and claims
CEX7111	Construction plant management and construction safety
CEX7113	Real estate and property development

## Postgraduate Diploma in Technology in Apparel Production and Management

Following are the courses available for the Apparel production and Management specialisation:

### Compulsory Courses

Courses in the following table are compulsory requirements for the Postgraduate Diploma in Technology (Apparel Production and Management):

Course Code	Course Title
TTX7131	Apparel manufacturing technology
TTM7132	Global outlook of textile and apparel industry
TTM7133	Human resource management and legal aspects for managing
TTM7134	Textile and apparel marketing
TTM7135	Managerial accounting and financial management
TTM7136	Supply chain management
TTI7137	Production planning
TTM7138	Quality management
TTX7139	Product development
TTX7140	Human factors engineering
TTM7141	Strategic management
TTY7191	Research methodology

## Master of Technology in Apparel Production and Management

Those who successfully complete all the courses in the PG Diploma programme in Apparel production and management may proceed to the Master of Technology programme, either by **Research Option** or by **Course Option**.

### (i) Research Option:

Course Code	Course Title
TTY7C93	Research project

### (ii) Course Option:

Course Code	Course Title
TTX7151	Operations research
TTM7152	Project management
TTI7153	Management information systems
TTY7692	Research project Type A
and 9 credits from	
TTM7154	Managerial economics
TTM7155	Project appraisal
CEX7105	Construction contracts and claims
MEX7118	Technology management
MEX7124	Cleaner production for waste management
MEX7125	Energy management in industries
LWJ7101	Law and industry

## 6. Postgraduate Research Degrees

Research keeps a person motivated, at the forefront of the respective professional or academic career while contributing to solve problems scientifically for the benefit of the society.

Supervised research leading to a higher degree is really only the beginning of a research career. Basically, it provides training in research methodology and research techniques.

The Faculty provides opportunities for science and technology based research in most of the Engineering disciplines. All research students are initially required to register for a MPhil degree. Suitable students could however transfer to a PhD degree after about a year of work, on the recommendation of their supervisor(s).

Students are normally expected to possess an Honours Degree or an equivalent qualification to read for a research degree. However, in exceptional circumstances, other suitably qualified candidates may also be considered for admission.

Students who register for Master/Doctor of Philosophy degrees are required to submit a thesis within 2-7 years. It is expected that the work should reflect the student's research capability and that it should make a significant contribution to knowledge in the area of study.

If you feel that you are competent and motivated to pursue higher studies for a research degree, you should contact a senior academic staff member of the relevant academic department in which you wish to carry out your research.

## 7. Stand Alone Courses

Sometimes it may be required by some to follow a few courses for the benefit of their industrial career development. If you are looking for such courses the Faculty of Engineering Technology has a series of such courses covering many areas of study. You can register for these courses without registering for a particular programme.

You can register for a maximum of 18 credits of courses in one academic year and if you later decide to enter a regular programme then you may seek exemptions from the courses you have passed as Stand Alone.

**However, you will then have to satisfy the admission requirements for such programmes.**

All the courses that are offered by the Faculty of Engineering Technology are available as Stand Alone courses.

The lists of available courses are given under section 3.9 and section 4.7.

Please note that the students require to possess the Prerequisites in respect of each of the courses or equivalent qualifications or knowledge, to register for the individual Stand Alone courses. In the case of PG Diploma in Construction Management, the Prerequisites for Stand Alone Courses are indicated under the relevant section.

**The tuition fee for each course is three times that of the corresponding course in the regular**

Please also note that students registering for regular programmes cannot register for courses as Stand Alone courses at the same time.

# **Section III**

## **Appendices**



## Appendix 1 - Schedule of qualifications accepted to gain entry in to the degree programme

Table 01 – List of qualifications considered for entry requirements for the degree programme in Technology (Engineering)

Qualification	Category		
	A	B	C
(1) Pure mathematics- G.C.E (A/L) Sri Lanka or (2) PAF2201 Combined Mathematics I (OUSL) or (3) MPZ2310 Pure mathematics (OUSL) or (4) MPZ1330 Pure mathematics (OUSL) or (5) MPZ2230 Mathematics (OUSL) or (6) NCIT (Electrical and Electronics)/NCIT (Civil) or (7) Diploma in Civil engineering, GITI	6		
(1) Applied mathematics - G.C.E (A/L) Sri Lanka or (2) PAF2202 Combined Mathematics II (OUSL) or (3) MPZ2311 Applied mathematics (OUSL) or (4) MPZ1331 Applied mathematics (OUSL)	6		
(1) Combined mathematics - G.C.E(A/L) Sri Lanka or (2) Cambridge International AS and A Level – C Pass for Mathematics or (3) Edexcel GCE A Level – C Pass for Mathematics or (4) City and Guilds Advanced Technician Diploma or (5) Diploma in Electronics and Communications-Jaffna College of Technology or	12		
(1) Physics -G.C.E (A/L) Sri Lanka or (2) Cambridge International AS and A Level– a Pass for Physics or (3) Edexcel GCE A Level – a Pass for Physics or (4) PYF2203 Physics I (OUSL) and PYF2204 Physics II (OUSL) or (5) TTX2313 Physics for Technology (OUSL) or		12	
(1) G.C.E (A/L) Chemistry or (2) Cambridge International AS and A Level – 3 passes including a C Pass for Mathematics and a Pass for Physics or (3) Edexcel GCE A Level– 3 passes including C Pass for Mathematics and a Pass for Physics or (4) Cambridge International AS and A Level – a C Pass for Chemistry or (5) Edexcel GCE A Level– a Pass for Chemistry or (6) G.C.E (A/L) Sri Lanka – Combine mathematics, Physics, and Information Communication Technology or (7) CMF2205 Chemistry I (OUSL) and CMF2206 Chemistry II (OUSL) or (8) CEX2312 Engineering properties materials (OUSL) or (9) CEX1330 Engineering properties materials (OUSL) or (10) NCT (Civil) / NCT (Mechanical) /NCT (Electrical and Electronics) or (11) NCIT (Electrical and Electronics)/NCIT (Civil) or (12) Diploma in Electronics and Communications-Jaffna College of Technology			12

Table 2 - Recognized qualifications and credits that can be claimed to satisfy the admission requirement for the Programme of Study in Industrial Studies in the specializations of Apparel Production and management, Textile manufacture, Fashion design and product development

Qualification	Credits	
	A	B
(1) A pass in any subject at the GCE(A/L) Examination Sri Lanka or (2) A pass in any subject in Cambridge International AS and A Level or (3) A pass in any subject in Edexcel GCE A Level or (4) Equivalent foundation courses of the OUSL from among; <b>For Chemistry:</b> [CMF2205 and CMF2206] or [CEX2312] or [CEX1330] <b>For Physics:</b> [PYF2203 and PYF2204] or TTX2313 <b>For Biology:</b> [BZF2207 and BZF2208] <b>For Combined mathematics/Mathematics:</b> [PAF2201 and PAF2202] or [MPZ3210 and MPZ3211] or [MPZ1330 and MPZ1331]		
(1) Any foundation courses (OUSL) equivalent to 36 credits or (2) Certificate in Industrial Studies (OUSL) or (3) Diploma in Industrial Studies (OUSL) or (4) College Diploma in Clothing Technology and Management (Full time) at Brandix College of Clothing Technology or (5) Diploma in Textile and Apparel Technology (Full time) at Sri Lanka Institute of Textile and Apparel		36

Table 3 - Recognized qualifications and credits that can be claimed to satisfy the admission requirement for the Programme of Study in Industrial Studies in the specializations Agriculture

Qualification	Credits	
	A	B
(1) A Pass in Biology/Botany at the G.CE(A/L) Examination Sri Lanka or (2) A pass in Biology in Cambridge International AS and A Level or (3) A pass in Biology in Edexcel GCE A Level or (4) BZF2207 Biology I and BZF2208 Biology II (OUSL) or (5) Science Teacher's Diploma (Bioscience) or (6) National Diploma/Diploma in Teaching (Science) or (7) Trained Teachers Certificate (Science) or (8) AEX3110 Nature and environment (OUSL)		
(1) Pass in Physics, Chemistry, Zoology, Combined Mathematics, Agriculture at GCE (A/L) Examination Sri Lanka or (2) A pass in any subject except Biology in Cambridge International AS and A Level or (3) A pass in any subject except Biology in Edexcel GCE A Level or (4) Equivalent foundation courses of the OUSL from among; <b>For Chemistry:</b> [CMF2205 and CMF2206] or [CEX2312] or [CEX1330] <b>For Physics:</b> [PYF2203 and PYF2204] or TTX2313 <b>For Combined mathematics/Mathematics:</b> [PAF2201 and PAF2202] or [MPZ3210 and MPZ3211] or [MPZ1330 and MPZ1331]	None	12 per each subject (maximum 24)
(1) Diploma in Industrial Studies (OUSL) or (2) Diploma in Agriculture - Schools of Agriculture or (3) Diploma in Agriculture - Aquinas College	12	24

**Applicable to both table 2 and Table 3**

CMF2205 Chemistry I, CMF2206 Chemistry II

CEX2312 Engineering properties materials

CEX1330 Engineering properties materials

PYF2203 Physics I, PYF2204 Physics II TTX2313 Physics for Technology

## Appendix 2 - Schedule for specific exemptions

### A 2.1 Exemptions considered for Technology (Engineering) study programme

#### Qualifications in English Language

Qualification	Course exempted
GCE(A/L) – Simple pass in General English , or any recognised qualification in Science or Technology/Engineering, at the level of Diploma or Degree, the medium of instruction being English (verification needed)	VRL1201

#### Qualifications in Agriculture/Biology/Food and related disciplines

Qualification	Courses and Industrial Training modules				
	Level 3		Level 4		Level 5
Diploma in Agriculture –School of Agriculture or Diploma in Agriculture – Aquinas College	AEX3231	AEX3233	AEX4230 AEX4239	AEX4240 AEW4002	
NDT (Agriculture) or, NDA or HNDA – Department of Technical Education and Training	AEX3231	AEX3233	AEX4230 AEX4239 AEX4240	AEM4235 AEW4002	
Diploma in Technology (OUSL) – Agricultural Engineering (any specialisation)	AEX3110 AEX3231 AEX3233 ECX3210	MEX3211 MEX3212 MEW3001 VRX3400	AEX4230 AEX4231 AEX4237 AEX4239	AEX4240 AEW4002 VRM4200 VRJ4100	
Diploma in Animal Husbandry, Sri Lanka, School of Animal Husbandry, Department of Animal Production and Health, Welisara	AEI3234	VRI3200	AEI4238		

Note: Those who have satisfied only the academic requirements without industrial training components in NDT (Agriculture) can be granted exemptions as listed, without Industrial training courses at Levels 3 & 4

### Qualifications in Civil engineering and related disciplines

Qualification	Courses and Industrial Training modules		
	Level 3	Level 4	Level 5
NCT (Civil)	CEX3230		
NCIT (Civil)	CEX3230 CEX3231	MEW3001	
NAB (Civil)	ECX3210 MEX3211	MEX3212 MEW3001	
Diploma in Civil Engineering, GITI	CEX3230 CEX3232	CEX3233	
HNDE (Civil)	ECX3210 MEX3211 MEX3212 CEX3230 CEX3231 CEX3232	CEX3233 CEX3234 MPZ3234 MPZ3133 MEW3001 VRX3200	CEW4002
NDET (Civil)	ECX3210 MEX3211 MEX3212 CEX3230 CEX3231 CEX3232	CEX3233 CEX3234 MPZ3234 MPZ3133 MEW3001	CEW4002
NDT (Civil) or NDES (Civil)	ECX3210 MEX3211 MEX3212 CEX3230 CEX3231 CEX3232	CEX3233 CEX3234 MPZ3234 MPZ3133 MEW3001 VRX3200	CEW4002
BSc (Civil Eng.), General Sir John Kothalawala Defence Academy	ECX3210 MEX3211 MEX3212 CEX3230 CEX3231	CEX3232 CEX3233 CEX3234 MEW3001	CEX4230 CEX4231 CEX4332 CEX4234 CEX4236
BSc (Surveying Science), Institute of Surveying & Mapping, Diyatalawa	MPZ3234 MPZ3133	ECX3210 CEX3233	CEX5230
BSc. Surveying Sciences, Sabaragamuwa University Sri Lanka	MPZ3234 MPZ3133	ECX3210 CEX3233	CEX5230
Graduate Diploma, Engineering Council UK (Civil Engineering)	CEX3230		

Note: Those who have satisfied **only the academic requirements** without **industrial training components** in HNDE (civil), NDET (Civil), NDT (Civil) or NDES (civil) can be granted exemptions as listed, without **Industrial training** courses at Levels 3 & 4

**Qualifications in Electrical/Electronic/Communications/ Computer Engineering/ IT and related disciplines**

Qualification	Courses and Industrial Training modules		
	Level 3 (and 4)	Level 4	Level 5
NCT (Electrical and Electronics)	ECX3210		
NCIT (Electrical and Electronics)	ECX3210 ECX3232 ECX3231 MEW3001 ECX3233  [(ECX3150 & ECX4150) or MEX3272]		
NAB Special Apprentice (AIT) - Electrical/Electronic	ECX3210 ECW3001 MEW3001 (ECX3150 & ECX4150) or MEX3272		
Diploma in Electronics and Communications, Jaffna College Institute of Technology	MEX3211 ECX3232 ECX3210 ECX3231 ECX3233  (ECX3150 & ECX4150) or MEX3272		
Diploma in Computer System Design, (NIBM)	ECX3233	ECX4235 ECX4247 ECX4262	
Advanced Technician Diploma in Electrical and Electronic Engineering (Level 5 IVQ)	ECX3210		
Higher Diploma in Computer based Information Systems (NIBM)			ECX5245 ECX5247 ECX5267
Higher National Diploma in IT, Advanced Technological Institute	ECX3233	ECX4235 ECX4247	
NDT (Electrical) or NDES (Power) or HNDE (Electrical Power)	ECX3210 ECX3231 MEX3211 MPZ3234 MEX3212 MPZ3133 MEX3235 MEW3001 MEX3174 VRX3200  (ECX3150 & ECX4150) or MEX3272 ECX3232 or (ECX4252 & ECX4248) ECW3001 or MEW4003,	ECW4002	
National Diploma in Technology (NDT) - Electronics and Telecommunications with DEE206 Electrical Installations & Wiring Diagrams		ECX4234	
NDES* (Power) (New curriculum) NDT** (Electrical) (New curriculum)	ECX3210 ECX3231 EX3211 ECX3233 EX3212 MPZ3234 EX3235 MPZ3133 MEX3174 MEW3001  (ECX3150 & ECX4150) or MEX3272 ECX3232 or (ECX4252 & ECX4248) ECW3001 or MEW4003	ECX4234 ECX4236 ECW4002	
NDT (Electronic & telecom.) or NDES (Electronics) or NDES (Telecommunication)	ECX3210 ECX3232 MEX3211 ECX3233 MEX3212 MPZ3234 MEX3174 MPZ3133 ECX3231 MEW3001  (ECX3150 & ECX4150) or MEX3272 ECW3001 or MEW4003	ECX4233 ECX4236 ECW4003	

**Qualifications in Electrical/Electronic/Communications/ Computer Engineering/ IT and related disciplines (Cont..)**

Qualification	Courses and Industrial Training modules		
	Level 3 (and 4)	Level 4	Level 5
NDES* (Electronics) or NDES *(Telecommunication) (New curriculum)	ECX3210      ECX3232 MEX3211      ECX3233 MEX3212      MPZ3234 MEX3174      MPZ3133 ECX3231      MEW3001 (ECX3150 & ECX4150) or MEX3272 ECW3001 or MEW4003	ECX4230 ECX4233 ECX4236 ECW4003 VRX4200	
HNDE (Electronics)	ECX3210      MPZ3133 MEX3211      MEW3001 MEX3212      ECX3231 ECX3233      VRX3200 MPZ3234  (ECX3150 & ECX4150) or MEX3272 ECW3001 or MEW4003	ECX4233 ECW4003 VRX4200	
National Diploma in Engineering Technology (NDET)- Electrical/Electronic	ECX3210      ECX3233 MEX3211      MEW3001 MEX3212      VRX3200 MPZ3234  (ECX3150 & ECX4150) or MEX3272		
BIT (University of Colombo)		ECX4235 ECX4247	

\*Effective year 2003 onwards \*\*Effective year 2008 onwards

Note: Those who have satisfied **only the academic requirements** without industrial training components in NDT (Electrical), NDT (Electronic & telecom.), HNDE (Electrical Power) and HNDE (Electronics) can be granted exemptions as listed, but without relevant **Industrial training** courses at Levels 3 and 4

**Qualifications in Mechanical/Automobile/Manufacturing/Marine/Aeronautical/Nautical/Chemical engineering and related disciplines**

Qualification	Courses and Industrial Training modules exempted		
	Level 3	Level 4	Level 5
German Training School- Full Certificate or Full Certificate of Basic Training Programme conducted by the Training Schools of Central Transport Board (Werahara/Borella)	MEW3001		
National Certificate for Industrial Technicians (NCIT) (Mechanical)	MEX3211, MEX3212, MEX3233, MEX3234, MEW3001		
NDT (Mechanical)	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335), MEX4230, MEX4232, MEW4002 or MEW4003	MEW5002
NDT (Chemical)	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335)	
NDT (Marine)	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335)	
NDT (Nautical studies & technology)	MEX3211, MEX3212, ECX3210, MEW3001	(MEX4275, MEX4276 or MEX4335),	
NDES (Mechanical - General)	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335), MEX4230, MEW4002 or MEW4003	MEW5002
HNDE ( Mechanical )-Production Engineering	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335), MEX4230, MEW4002 or MEW4003	MEW5002
HNDE ( Mechanical )-Automobile Engineering	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335), MEX4232, MEW4002 or MEW4003	MEW5002
HNDE ( Mechanical )-Refrigeration and Air conditioning	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335), MEW4002 or MEW4003	MEW5002
NDES (Automobile)	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335), MEX4232, MEW4002 or MEW4003	MEW5002
NDES (Marine)	MEX3211, MEX3212, ECX3210, MEX3233, MEX3234, MEX3235, MEX3274, MPZ3231, MPZ3132, MEW3001	(MEX4275, MEX4276 or MEX4335)	
BSc (Defence studies) in Aeronautical Engineering	ECX3210, MEX3211, MEX3212, ECX3230 or MEX3272, MPZ3231, MPZ3132, MEW3001		

Note: Those who have satisfied **only the academic requirements** without industrial training components in NDT (Mechanical) and HNDE (Mechanical) could be granted exemptions as listed above, but without the relevant **Industrial training** modules at Levels 4 and 5

**Qualifications in Textile/Apparel technology and related disciplines**

Qualification	Courses and Industrial Training modules exempted		
	Level 3 (and 4)	Level 4 (and 5)	Level 5 (and 6)
Certificate in Textile Technology (One year Fulltime), Textile Training & Services Centre, Ratmalana	TTX3231 TTX3232	TTX4232 TTX4260 VRM4100	
Certificate in Textile Technology (One year Fulltime) and Diploma in Technology (Extension Course), Textile Training & Services Centre, Ratmalana	TTX3231 TTX3232 TTX3239	TTX4232 VRM4100 TX4260	
Certificate in Textile Dyeing and Printing (Part time) from the Textile Training and Services Centre, Ratmalana	TTX4232		
Diploma in Textile and Apparel Technology (Part time) , Sri Lanka Institute of Textile and Apparel (SLITA), Rathmalana	TTX4232		
Diploma in Textile and Apparel Technology (Full time) , Sri Lanka Institute of Textile and Apparel (SLITA), Ratmalana	TTX3231 TTX3239 TTX3232 TTI3241 TTI3236	TTX4232 TTX4233 TTX4238	TTX5260
Diploma in Textile Technology from the Textile Training and Services Centre, Ratmalana	TTX3231 TTX3232 TTX3239	TTX4232 VRM4100 TTX4260	
Diploma in Clothing Technology from the Clothing Industry Training Institute, Ratmalana	TTX3239 TTI3241	TTX4233 TTW4001 VRM4100	TTX5260
Certificate in Textile Colouration and Finishing (Part time) and Diploma in Textile Colouration and Finishing (Part time) from the Textile Training and Services Centre, Ratmalana	TTX3231 VRM4100	TTX4232	TTX6162
Certificate in Garment Production Management (Part time) from Clothing Industry Training Institute, Ratmalana	TTX3239		
College Diploma in Clothing Technology and Management (Fulltime), Brandix College of Clothing Technology, Ratmalana	TTI3236 TTX3239 TTI3241	TTX4233 TTW4001 TTX4238	TTX5260
NDT (Textile) (Old Curriculum-till 2007)	MEX3211 MPZ3234 MEX3235 MPZ3133 MEX3174 TTX3231 ECX3210 TTX3232  (TTI3236 or TTX3239), MEW3001	TTX4232 TTX4233 TTX4260	Any two of TTW5003, TTW5004, TTW5005, TTW5006]
NDT (Textile) (Old Curriculum-till 2007) without completion of training	MEX3211 MPZ3234 MEX3235 MPZ3133 MEX3174 TTX3231 ECX3210 TTX3232  (TTI3236 or TTX3239)	TTX4232 TTX4233 TTX4260	
NDT (Clothing) (Old Curriculum-till 2007)	MEX3211 MPZ3133 MEX3235 TTX3231 MEX3174 TTX3232 ECX3210 TTI3241 MPZ3234 MEW3001  (TTI3236 or TTX3239)	TTX4232 Any two of TTX4233 TTW4001 TTX4238 TW5003 TTW5004 TTW5005 TTW5006	TTX5260
NDT (Clothing) (Old Curriculum-till 2007) without completion of training	MEX3211 MPZ3234 MEX3235 MPZ3133 MEX3174 TTX3231 ECX3210 TTI3241 (TTI3236 or TTX3239)	TTX4232 TTX4233 TTX4238	TTX5260



**Qualifications in Textile/Apparel technology and related disciplines (Cont..)**

Qualification	Courses and Industrial Training modules exempted			
	Level 3 (and 4)		Level 3 (and 4)	
NDT(Textile and Clothing Technology) - New Curriculum(after 2007)	MEX3211 MEX3235 ECX3210 MPZ3234 MPZ3133	TTX3231 TTX3232 TTI3236 TTX3239 TTI3241 MEW3001	TTX4232 Any two of TTX4233 TTW4001 TTX4238 TTW5003 TTX4260 TTW5004 MEX4276 TTW5005 TTW5006	TTX5260,
NDT(Textile and Clothing Technology) - New Curriculum(after 2007) without completion of training	MEX3211 MEX3235 ECX3210 MPZ3234 MPZ3133	TTX3231 TTX3232 TTI3236 TTX3239 TTI3241	MEX4276 TTX4260 TTX4232 TTX4233 TTX4238	TTX5260
NDT (Polymer Technology)	MEX3211 MEX3235 MEX3233 MEX3234 MEX3235	MEX3174 ECX3210 MPZ3234 MPZ3133 MEW3001	MEX4276	
Diploma in Clothing Manufacture - CITI, Ratmalana	TTX3239 TTI3241		TTX4233 TTW4001 VRM4100	TTW5001
Diploma in Polymer Technology - CITI, Ratmalana			TTX4233 VRM4100	
TTM4239 -Management studies and TTM5240 -Apparel Merchandising, OUSL				TTM5361
TTI3240- Pattern construction and TTI5238 - Advanced pattern construction, OUSL				TTX5260

**Licentiate ship of Textile Institute (LTI) Examination /Associate ship of Textile Institutes (ATI) Technology Group Examination**

Subject	Level 3	Level 4	Level 5
Paper 2 in LTI/Paper 2(a) in ATI - Fibre Technology and Textile Science	TTX3231		
Paper 3 in LTI /Paper 2 (b) in ATI - Yarn Technology and Yarn preparation		TTX3232	
Paper 4 in LTI /Paper 2 (c) in ATI- Fabric technology	TTI3236	TTX4260	
Paper 5 in LTI /Paper 2 (d) in ATI-Dyeing and Finishing Technology		TTX4232	
Paper 6 in LTI - Textile Testing		TTX4233	
Paper 8 in LTI /Paper 2 (f) in ATI- Management Studies		VRM4200	
Paper 10 in LTI- Merchandising of Textile Consumer Products		VRM4100	
Paper 11 in LTI - Garment Technology	TTX3239		

Note: Those who have satisfied **only the academic requirements** without industrial training components in NDT(Textile and Clothing Technology) - New Curriculum, NDT (Textile) (Old Curriculum), and NDT( Clothing), (Old Curriculum) can be granted exemptions as listed, but without relevant **Industrial training** courses at Levels 3, 4 and 5

## Other qualifications

Qualification	Courses and Industrial Training modules exempted		
	Level 3	Level 4	Level 5&6
*BSc Eng (Peradeniya / Moratuwa), *Any other Academic Qualification fulfilling the admission requirement to Associate Membership of IESL	MPZ3234 MPZ3133	MPZ4131 MPZ4132	MPZ5231 MEM5336 VRJ6100
*In addition to listed courses, compulsory courses at levels 3 and 4 in the relevant field shall be granted If the specialisation different to his BSc specialisation, the student has to register for at least 18 credits of courses from Levels 3 and 4 as recommended by the Head of Department			
BSc with Physics at the final year	ECX3210 MEX3212 ECX3150 ECX3231	ECX4150	
**BSc with Mathematic at the final year **BSc with Applied Mathematics AND Pure Mathematics at the final year **BSc Special Degree in Pure Mathematics or Applied Mathematics **BSc Eng (Peradeniya / Moratuwa) – Part I **IESL or EC (London) – Part I	MPZ3234 MPZ3133		
OUSL Faculty of Natural Science –Pass in CSU3276			MPZ5133
Engineering Council Examination – Part2B 300 – The Engineer in Society			MPJ5233

\*\* Only exemptions from mathematic category courses are listed. Exemptions from other courses may be granted after evaluation of subjects on the request of students.

## Abbreviations

Abbreviation	Full Text
GCE (O/L)	General Certificate in Education (Ordinary Level)
GCE (A/L)	General Certificate in Education (Advanced Level)
NDT	National Diploma in Technology
NDES	National Diploma in Engineering Science
NDA	National Diploma in Agriculture
HNDA	Higher National Diploma in Agriculture
NCT	National Certificate in Technology
NCIT	National Certificate for Industrial Technicians
NAB	National Apprenticeship Board
HNDE	Higher National Diploma in Engineering
NDET	National Diploma in Engineering Technology
BIT	Bachelor of Information Technology
GITI	Galgamuwa Irrigation Training Institute
NIBM	National Institute of Business Management
IESL	Institution of Engineers Sri Lanka
EC	Engineering Council, UK
CEI	Council of Engineering Institutions, UK

## A 2.1 Exemptions considered for Industrial studies programme

### Qualifications in English Language

Qualification	Course exempted
GCE(A/L) – Simple pass in General English , or any recognised qualification in Science or Technology/Engineering, at the level of Diploma or Degree, the medium of instruction being English (verification needed)	VRL1201

### Qualifications in Agriculture/Biology/Food and related disciplines [Applicable for Diploma/Degree in IS (agriculture)]

Qualification	Courses exempted				
	Level 3		Level 4		Level 5
Diploma in Agriculture –Schools of Agriculture or Diploma in Agriculture – Aquinas College	AEI3235	VRI3600	AEX4230	AEX4240	
	AEI3236		AEX4239	AEW4002	
NDT (Agriculture) or National Diploma in Agriculture (NDA) or Higher National Diploma in Agriculture (HNDA)- Department of Technical Education and Training	AEX3230	AEI3235	AEX4230	AEM4235	
	AEX3232	AEI3236	AEW4002	VRI4400	
Diploma in Technology (OUSL) – Agricultural Engineering (any specialisation)	ECX3210		AEX4230	AEX4240	
	AEI3235		AEX4231	AEW4002	
	AEI3236		AEX4237	VRM4200	
	VRX3400		AEX4239	VRJ4100	
Diploma in Animal Husbandry, Sri Lanka, School of Animal Husbandry, Department of Animal Production and Health, Welisara	AEI3234	VRI3200	AEI4238		
NDT (Agriculture) - without training	Exemptions granted for NDT (Agriculture) except AEW4002				

**Qualifications in Textile/Apparel technology and related disciplines [Applicable for Higher Diploma/Degree in IS - Apparel Production and Management, Textile Manufacture and Fashion Design and Product Development]**

Qualification	Courses exempted		
	Level 3 ( and 4)	Level 4 (and 5)	Level 5 & 6
Certificate in Textile Technology (One year Fulltime) and Diploma in Technology (Extension Course), Textile Training & Services Centre, Ratmalana	TTX3231 TTX3237 TTX3239 TTX3232  [TTX3234 and TTX4234] or TTX4232	TTX4260 VRM4100	
Certificate in Fabric Technology (Part time) from the Textile Training and Services Centre, Ratmalana	TTX3237		
Certificate in Textile Dyeing and Printing (Part time) from the Textile Training and Services Centre, Ratmalana	[TTX3234 and TTX4234] or TTX4232		
Diploma in Textile Technology from the Textile Training and Services Centre, Ratmalana	TTX3231 TTX3239 TTX3232 TTX3237 TTX3234	TTX4234 VRM4100 TTX4260	
Certificate in Textile Colouration and Finishing (Part time) and Diploma in Textile Colouration and Finishing (Part time) from the Textile Training and Services Centre, Ratmalana	TTX3231 {TTX3234 and TTX4234} or TTX4232	VRM4100	TTX6162
Diploma in Clothing Technology, Clothing Industry Training Institute, Ratmalana	TTX3237 TTI3240 TTI3238 TTI3241 TTX3239 VRI3200	TTX4233 VRM4100 TTW4001	TTW5001
Certificate in Textile Technology (One year Fulltime) and Diploma in Technology (Extension Course), Textile Training & Services Centre, Ratmalana	TTX3231 TTX3237 TTX3239 TTX3232  [TTX3234 and TTX4234] or TTX4232	TTX4260 VRM4100	
Certificate in Garment Production Management (Part time) from Clothing Industry Training Institute, Ratmalana	TTX3239		
College Diploma in Clothing Technology and Management (Fulltime), Brandix College of Clothing Technology, Ratmalana	TTI3236 TTX3239 TTX3237 TTI3240 TTI3238 TTI3241 MPZ3135	TTX4233 MPZ4233 TTX4238 TTW4001 TTM4239	TTI5238
Diploma in Textile and Apparel Technology (Full time) , Sri Lanka Institute of Textile and Apparel (SLITA), Ratmalana -(Only for the Apparel Production and Management and Fashion Design & Product Development streams)	TTI3236 TTX3239 TTX3237 TTI3240 TTI3238 TTI3241 MPZ3135	TTX4232 TTM4239 TTX4233 MPZ4233 TTX4238	TTI5238
Diploma in Textile and Apparel Technology (Full time) , Sri Lanka Institute of Textile and Apparel (SLITA), Ratmalana - (Only for the Diploma in Textile Manufacture)	TTX3231 TTX3239 TTX3234 TTI3236 MPZ3135 TTX3232	TTX4233 TTM4239 MPZ4233	
Diploma in Textile and Apparel Technology (Part time) , Sri Lanka Institute of Textile and Apparel (SLITA), Rathmalana	TTX3237	TTX4232	
Diploma in Lanka Institute of Fashion Technology (LIFT) – (Only for the Diploma in Fashion Design and Product Development)	TTI3142 TTJ3146 TTI3243	TTI4245 TTJ4247	TTI5148

**Qualifications in Textile/Apparel technology and related disciplines [Applicable for Higher Diploma/Degree in IS - Apparel Production and Management, Textile Manufacture and Fashion Design and Product Development] (Cont..)**

Qualification	Courses exempted			
	Level 3 ( and 4)		Level 4 (and 5)	Level 5 & 6
NDT (Textile) (Old Curriculum-till 2007)	MPZ3135 TTX3231 TTX3234 TTX3232	TTX3239 TTI3236 TTX3237	TTX4232 TTX4233 TTX4234 TTM4239 TTX4260 [Any two of TTW4001 TTW5003 TTW5004 TTW5005 TTW5006]	
NDT (Textile) (Old Curriculum-till 2007) without completion of training	MPZ3135 TTX3231 TTX3232 TTX3234	TTX3239 TTI3236 TTX3237	TTX4232 TTX4233 TTX4234 TTM4239	
NDT (Clothing) (Old Curriculum-till 2007)	MPZ3135 TTX3231 TTX3234 TTX3239 TTI3236	TTX3237 TTI3238 TTX3239 TTI3240 TTI3241	TTX4232 TTX4233 TTX4234 TTX4238 TM4239 [Any two of TTW4001 TTW5001 TTW5003 TTW5004 TTW5005 TTW5006]	TTI5238
NDT( Clothing) (Old Curriculum-till 2007) without completion of training	MPZ3135 TTX3231 TTX3234 TTX3239 TTI3236	TTX3237 TTI3238 TTX3239 TTI3240 TTI3241	TTX4232 TTX4233 TTX4234 TTX4238 TM4239	TTI5238
NDT(Textile and Clothing Technology) – New Curriculum(after 2007)	MPZ3135 MEX3233 MEX3230 TTX3231 TTX3232 TTX3234 TTX3239	TTI3236 TTX3237 TTI3238 TTX3239 TTI3240 TTI3241	TTX4232 TTX4233 TTX4234 TTX4238 TTM4239 TTX4260 [Any two of TTW4001 TTW5001 TTW5003 TTW5004 TTW5005 TTW5006]	TTI5238
NDT(Textile and Clothing Technology) – New Curriculum Without completion of training	MPZ3135 MEX3233 MEX3230 TTX3231 TTX3232 TTX3234 TTX3239	TTI3236 TTX3237 TTI3238 TTX3239 TTI3240 TTI3241	TTX4232 TTX4233 TTX4234 TTX4238 TTM4239 TTX4260	TTI5238
Diploma in Clothing Manufacture – CITI	TTX3237 TTX3239 TTI3240	TTI3241 VRI3200	TTX4233 TTW4001 VRM4100	TTW5001

**Qualifications in Textile/Apparel technology and related disciplines [Applicable for Higher Diploma/Degree in IS - Apparel Production and Management, Textile Manufacture and Fashion Design and Product Development] (Cont..)**

Qualification	Courses exempted		
	Level 3 ( and 4)	Level 4	Level 5 & 6
BSc (Eng) Textile and Clothing, University of Moratuwa	MPZ3135 TTI3236 TTX3231 TTX3237 TTX3232 TTI3240 TTX3234	TTX4233 MPZ4233 TTX4234 TTM4239 TTX4260	TTI5238 MPZ5132 MEM5336 VRJ6100 [Any two of TTW4001 TTW5003 TTW5004 TTW5005 TTW5006]
Licentiatehip of Textile Institute (LTI) Examination /Associateship of Textile Institutes (ATI) Technology Group Examination	See below for exemptions for individual papers		
Paper 1 in LTI /Paper 1 (e) in ATI – Textile Technology	TTX3237		
Paper 2 in LTI/Paper 2(a) in ATI – Fibre Technology and Textile Science	TTX3231		
Paper 3 in LTI /Paper 2 (b) in ATI – Yarn Technology and Yarn preparation	TTX3232		
Paper 4 in LTI /Paper 2 (c) in ATI- Fabric technology	TTI3236	TTX4260	
Paper 5 in LTI /Paper 2 (d) in ATI-Dyeing and Finishing Technology	[TTX3234 and TTX4234] or TTX4232		
Paper 6 in LTI – Textile Testing		TTX4233	
Paper 8 in LTI /Paper 2 (f) in ATI- Management Studies		VRM4200	
Paper 9 in LTI- Quality Management in Textiles		MPZ4233	
Paper 10 in LTI- Merchandising of Textile Consumer Products		VRM4100	
Paper 11 in LTI – Garment Technology	TTX3239		
*Certificate in Industrial Studies (OUSL)	See below for exemptions for individual papers		
TTI2631 Yarn manufacture	TTX3232		
TTI2632 Weaving	TTI3236	TTX4260	
TTI2633 Textile Chemical processing	[TTX3234 TTX4234] or [TTX4232 VRI3200]		
TTI2634 Apparel Technology	[TTX3239 or VRI3201], VRI3200]		
TTI3650 Pattern Making	TTI3240 VRI3400		
Diploma in Technology (Textile Engineering) from the OUSL	MPZ3135 TTX3231 TTX3232 TTX3237	TTX4232 TTX4260 TTX4233	

\* Those who have completed the certificate under the Old Curriculum must be transferred to corresponding courses in the new curriculum and be granted appropriate exemptions.

## Appendix 3 – List of alternative courses

List of alternative courses under Technology (Engineering) programme

Listed course/s	Alternative	Listed course/s	Alternative
AEX5243	AEX5230 or AEI5243	TTX3239	TTI3239
AEX6234	AEI6234	TTX3239	TTI3235
AEX6235	AEI6235	TTX4238	TTI4238
AEX6236	AEI6236	TTX4260	TTX3255
AEX4239	AEX3230	TTX4261	TTX3232
AEX4240	AEX3232	TTX4262	TTX4231
ECX3150 & ECX4150	ECX3230	MPZ3133	MPZ3132
ECX4247	ECX4237	MPZ3234	MPZ3231
ECX4248	ECX4238 & ECX3232	MPZ4131 & MPZ4132	MPZ4230
ECX4252	ECX 4232 & ECX3232	MPZ5231	MPZ5230
ECX5243	ECX5239	MPZ5133	MPZ5140
ECX6243	ECX6333		
ECX6250 & ECX6151	ECX6330		
ECX6151	ECX5247		
MEX3274	ECX3234		
MEX4335	MEX3271		
MEX4135	MEX4235		
MEX4142	MEX4242		
MEX4275	MEX3271		
MEX4276	MEX3271		
MEX5277	MEX4231		
MEX6230	MEX6330		
MEX6231	MEX6331		
MEX6232	MEX6332		
MEX6234	MEX6334		
MEX6235	MEX6335		
MEX6236	MEX6336		
MEX6240	MEX6340		
MEX6273	MEX6272		
MEX6278	MEX5230		

**List of alternative courses under Industrial Studies programme**

Listed course/s	Alternative
AEX4239	AEX3230
AEX4240	AEX3232
AEX5243	AEI5243
AEX6234	AEI6234
AEX6235	AEI6235
TTX3239	TTI3235 or TTI3239
TTX4238	TTI4238
TTX4260	TTX3255

Listed course/s	Alternative
TTX4261	TTX3232
TTX4262	TTX4231
TTX6162	TTX6231
TTX6263	TTX5237
TTX6265	TTX5235
TTI5263	TTY5253
MPZ3135	AEZ3238 (for agriculture)
MPZ3136	PCU1142
MPZ4233	PCU2142 (for agriculture)
MPZ4233	TTZ4241



## Appendix 4 – Credit transfer scheme

The course credits of the old curricula are transferred to course credits of the new courses according to the Table given below. If the course credits are not equivalent, an adjustment is made by adding and/or deducting credits as the case may be, at appropriate levels and categories for some courses. This correction is indicated by a code (known as virtual code) beginning with letters “VC” followed by category letter, level and one third of the credit rating. The letter F is used to denote negative credits. In the virtual code F is equal to -1.

The grades of the new courses are determined as given below depending upon the type of conversion. However, old training course/s shall be converted to relevant training modules/s and such training modules shall be given a “Pass” irrespective of the grade/s of the old training course/s.

### Conversion type      Grade of the new course

one to one:	The new course acquires the marks from the old course, and grade is determined accordingly.
One to many:	All new courses are assigned the marks of the old course and grades are determined accordingly.
Many to one:	Credit based weighted average mark is calculated for old courses and allocated to the new course. The grade is determined accordingly.
Many to many:	Credit based weighted average mark is calculated for old courses and assigned to all new courses. The grades are determined accordingly.

**Table x - Transfer scheme from old course(s)/training module(s) to new course(s)/training module(s) under the New Technology (Engineering) programme**

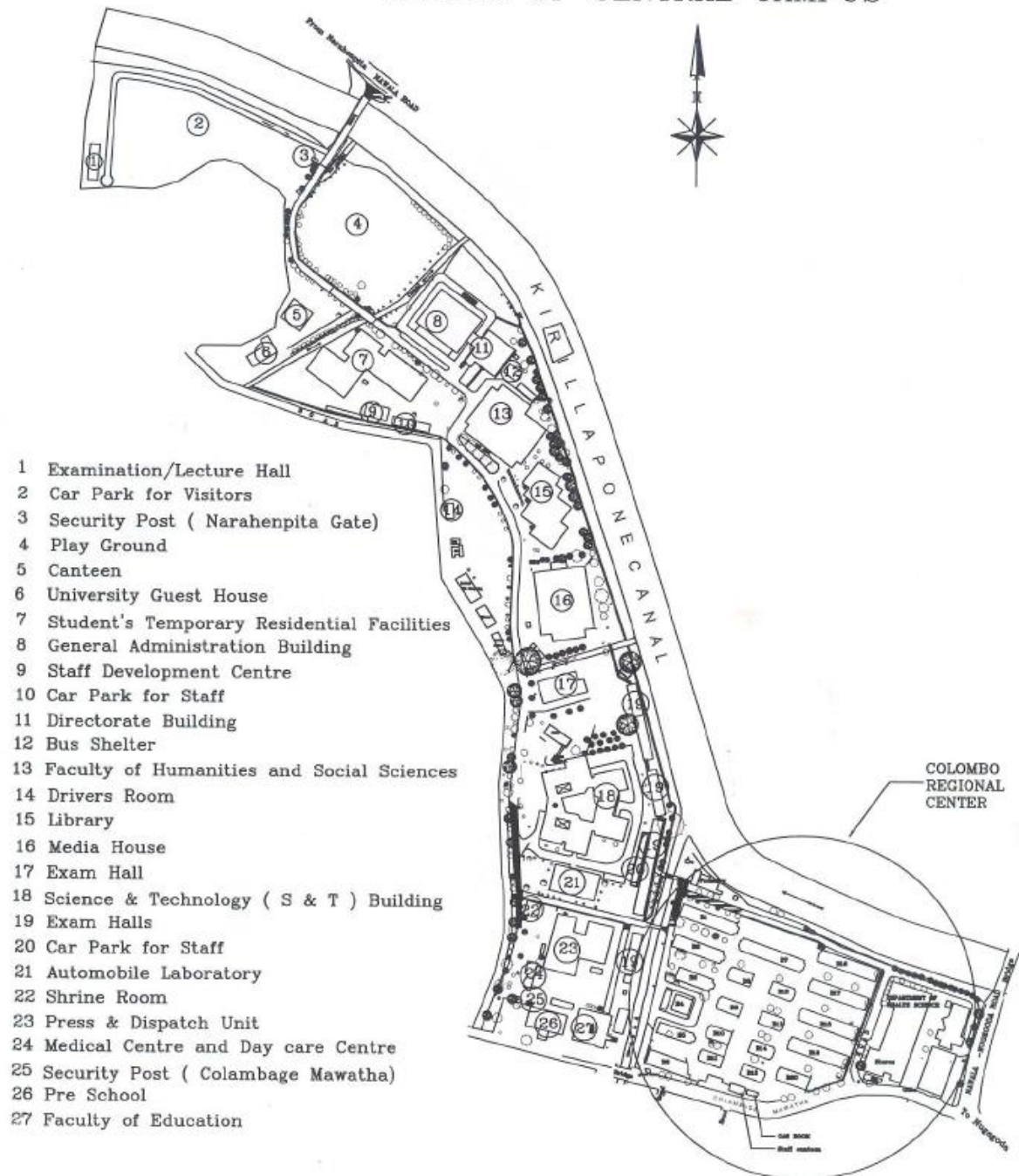
Old courses	Equivalent course/s or training module/s
<b>Courses offered by the Department of Agricultural and Plantation Engineering</b>	
AEX2130 Nature and environment	AEX3110 Nature and environment
<b>Courses offered by the Department of Electrical and Computer Engineering</b>	
ECK3131 C programming	MEK3170 C programming
ECX2330 Principles of electricity	ECX3210 Electro-techniques
ECX4240 Automotive electronics	MEX4242 Automotive electronics
ECX4242 Control systems	MEX4243 Controls systems engineering
ECX5330 Electronic systems	ECX6330 Electronic systems + VCX5300 + VCX6F00 + VCX6F00 + VCX6F00
ECX5237 Software engineering II	ECX5247 Group work in software development
ECX5240 Information systems	ECX5245 Database management systems
ECX6233 Microwave communication systems	ECX6333 Microwave engineering & applications + VCX6F00
ECY6398 Individual project (Computer, Electrical, Electronic and Communication engineering)	ECY6498 Individual project – Type A
ECW3290 Specific training I (Electronics)	ECW3001 Industrial training I (Electronics)
ECW4291 Specific training II (Software)	ECW4001 Industrial training II (Software)
ECW4292 Specific training II (Power)	ECW4002 Industrial training II (Power)
ECW4293 Specific training II (Communication)	ECW4003 Industrial training II (Communication)
ECW5291 Specific training II (Software-undergraduate)	ECW5001 Industrial training II (Software-undergraduate)
ECW5292 Specific training II (Power-undergraduate)	ECW5002 Industrial training II (Power-undergraduate)
ECW5293 Specific training II (Communication-undergraduate)	ECW5003 Industrial training II (Communication-undergraduate)
<b>Courses offered by the Department of Mathematics and Philosophy of Engineering</b>	
MPZ1330 Pure mathematics	MPZ2310 Pure mathematics
MPZ1331 Applied mathematics	MPZ2311 Applied mathematics
MPZ3230 Engineering mathematics I	MPZ3231 Engineering mathematics IA + MPZ3132 Engineering mathematics IB
MPZ5330 Engineering mathematics III	MPZ5230 Engineering mathematics III + VCZ5100

MPZ6231 Discrete mathematics	for Btech MPZ4140 Discrete mathematics I + MPZ5140 Discrete mathematics II + VCZ6200 + VCZ4F00 + VCZ5F00
MPZ6231 Discrete mathematics	For BSE MPZ4160 Discrete mathematics I + MPZ5160 Discrete mathematics II + VCZ6200 + VCZ4F00 + VCZ5F00
<b>Courses offered by the Department of Mechanical Engineering</b>	
MEK2289 Computer aided drafting	MEK3289 Computer aided drafting
MEW1130+MEW2130	MEW3001 Workshop practice
MEW1130+MEW3102	MEW3001 Workshop practice
MEW2130+MEW3101	MEW3001 Workshop practice
MEW3290 Specific training I (Automobile)	MEW4002 Industrial training I (Mechanical)
MEW3291 Specific training I (Manufacturing)	MEW4002 Industrial training I (Mechanical)
MEW4290 Specific training II (Automobile)	MEW5002 Industrial training II (Mechanical)
MEW4291 Specific training II (Manufacturing)	MEW5002 Industrial training II (Mechanical)
MEX2230 Communicating engineering information	MEX3211 Communicating engineering information
MEX2331 Heat and fluids	MEX3212 Basic thermo-fluids
MEX2132 Design philosophy	MEX3174 Principles of design
MEX3230+MEX3231	MEX3271 Applied mechanics and strength of materials +VCX3200 (for Mechanical Eng. only)
MEX3231 Strength of materials I	CEX3234 Strength of materials ( for Civil Eng. only)
MEX3232 Thermodynamics and fluid mechanics	MEX3235 Thermo – fluids
MEY6398 Individual project (Mechanical engineering)	MEY6498 Individual project – Type A
MEW3101+MEW3102	MEW3001 Workshop practice
MEW3292 Specific training I (Mechanical engineering)	MEW4002 Industrial Training I (Mechanical)
MEW3294 Specific training I (Mechatronics engineering)	MEW4003 Industrial Training I (Mechatronics)
MEW4292 Specific training II (Mechanical engineering)	MEW5002 Industrial Training II (Mechanical)
MEW4294 Specific training II (Mechatronics engineering)	MEW5003 Industrial Training II (Mechatronics)
<b>Courses offered by the Department of Textile and Apparel Technology</b>	
TTX3233 Woven fabric technology	TTX3255 Woven fabric technology
TTX4231 Knitting and non woven technology	TTX4262 Knitting technology
TTX4235 Yarn manufacture II	TTX6261 Yarn manufacture II
TTX4255 Advanced woven fabric technology	TTX6260 Advanced woven fabric technology
TTX5235 Fabric technology	TTX6265 Fabric technology
TTX5136 Ergonomics for apparel industry	TTX6239 Ergonomics + VCX6F00 +VCX6F00 + VCX5100
TTX5237 Speciality fabrics	TTX6263 Speciality fabrics
TTX5251 Non woven textiles	TTX6264 Non woven textiles
TTX6231 Advanced coloration technology	TTX6162 Advanced coloration
TTW5003 Specific training (Yarn manufacture)	TTW5003 Industrial training (Yarn manufacture)
TTW3291 Specific training (Weaving)	TTW5004 Industrial training (Weaving)
TTW3292 Specific training (Textile chemical processing)	TTW3005 Industrial training (Textile chemical processing)
TTW3293 Specific training (Apparel I)	TTW4001 Industrial training (Apparel I)
<b>Other courses</b>	
FEJ0201 Learning to learn at a distance or FEJ0010 Learning to learn at a distance or FEW3001 Learning to learn at a distance	EDE3001 Empowering for Independent Learning [EfIL]
LSE1201 / LSL1201/ LSL3201/ LSE1304/ LSE1301 English for English for technology I or LSE2201/ LSL2201/ LSL4201 English for technology Part II	LSE3204 English for General Academic Purpose

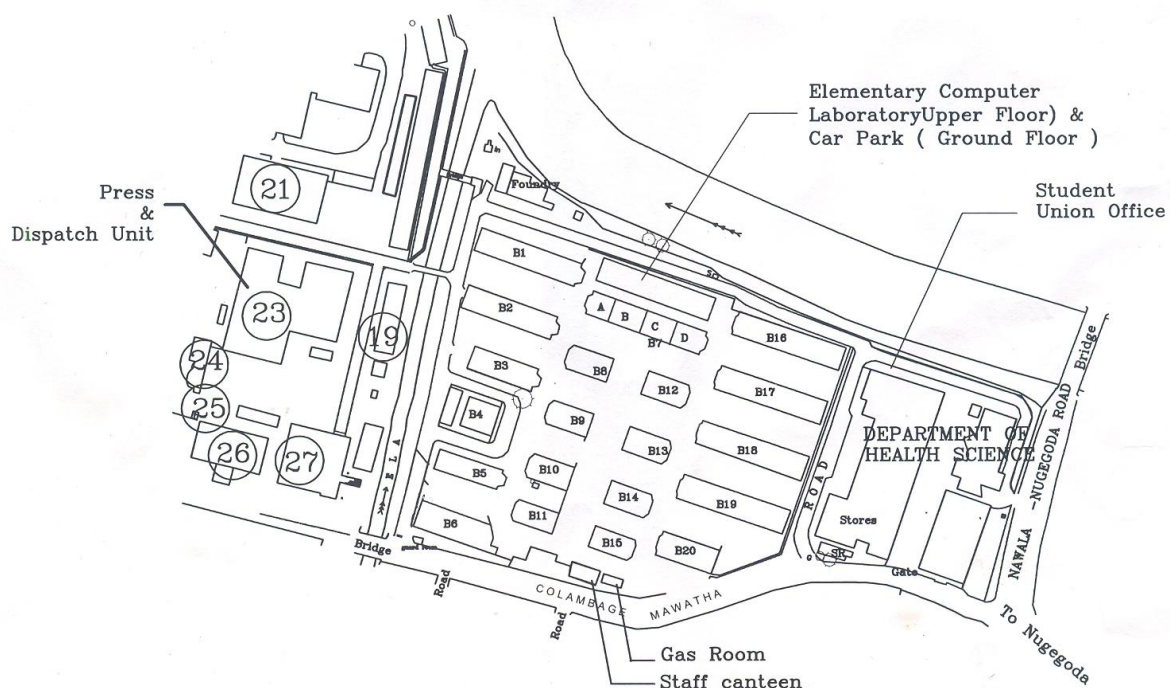
**Table x - Transfer scheme from old course(s)/training module(s) to new course(s)/training module(s) under the New Industrial Studies programme**

<b>Course/s in the old curriculum</b>	<b>Equivalent course/s or training module/s</b>
AEX3231 Soil management, tillage and traction	AEI3235 Land and soil tillage management
AEX3233 Post harvest technology I	AEI3236 Postharvest biology and technology I
AEX5230 Power and machinery in agriculture	AEI5243 Farm power and machinery
AEX5231 Post harvest technology II	AEI5244 Postharvest biology and technology II
AEX6230 Environment control in agricultural structures	AEI6234 Environment control in farm structures
AEX6231 Processing of food products	AEI6236 Food processing
AEX6233 Hydrology	AEI6235 Hydrology and water resources
AEI6236 Food processing	AEX6236 Food processing
AEW3291 Specific training I (Agriculture)	AEW4002 Industrial training I (Agriculture)
PSZ3182 Biostatistics	PCU1142 Biostatistics
PSU1182 Biostatistics	PCU1142 Biostatistics
PSZ4130 Design and analysis of experiments	PCU2142 Design and analysis of experiments
PSU2182 Design and analysis of experiments	PCU2142 Design and analysis of experiments
CEX1330 Engineering Properties of Materials	CEX2312 Engineering properties of Materials and TTX2313 Physics for technology
ECK2130 Word for windows	FEK2130 Word for windows
ECK2132 Excel for windows	FEK2132 Excel for windows
AEK2130 Word for windows	FEK2130 Word for windows
MEX2230 Communicating engineering information	MEX3211 Communicating engineering information
MEX2331 Heat and fluids	MEX3212 Basic thermo fluids
MPZ1330 Pure mathematics	MPZ2310 Pure mathematics
MPZ1331 Applied mathematics	MPZ2311 Applied mathematics
MPZ3230 Engineering mathematics I	MPZ3231 Engineering mathematics IA + MPZ3132 Engineering mathematics IB
MPZ5330 Engineering mathematics III	MPZ5230 Engineering mathematics III + VCZ5100
TTX3233 Woven fabric technology	TTX3255 Woven fabric technology
TTX4231 Knitting and non woven technology	TTX4262 Knitting technology
TTX4235 Yarn manufacture II	TTX6261 Yarn manufacture II
TTX4255 Advanced woven fabric technology	TTX6260 Advanced woven fabric technology
TTX5251 Non woven textiles	TTX6264 Non woven textiles
TTI4243 Introduction to fashion	TTI5243 Principles of fashion design + VCI4200+VCI5F00+VCI5F00
TTX5136 Ergonomics for apparel industry	TTX6239 Ergonomics + VCX6F00 +VCX6F00+ VCX5100
TTX5251 Non woven textiles	TTX6264 Non woven textiles
TTW3290 Specific training (Yarn manufacture)	TTW5003 Industrial training (Yarn manufacture)
TTW3291 Specific training (Weaving)	TTW5004 Industrial training (Weaving)
TTW3292 Specific training (Textile chemical processing)	TTW5005 Industrial training (Textile chemical processing)
TTW3293 Specific training (Apparel I)	TTW4001 Industrial training (Apparel I)
TTW3294 Specific training (Fashion design)	TTW4002 Industrial training (Fashion design)
TTW4293 Specific training (Apparel II)	TTW5001 Industrial training (Apparel II)
FEJ0201 Learning to learn at a distance or FEJ0010 Learning to learn at a distance or FEW3001 Learning to learn at a distance	EDE3001 Empowering for Independent Learning [EfIL]
LSE1201 / LSL1201/ LSL3201/ LSE1304/ LSE1301 English for English for technology I Or LSL3201 English for technology I or LSE2201/ LSL2201/ LSL4201 English for technology Part II	LSE3204 English for General Academic Purpose

## LAYOUT OF CENTRAL CAMPUS

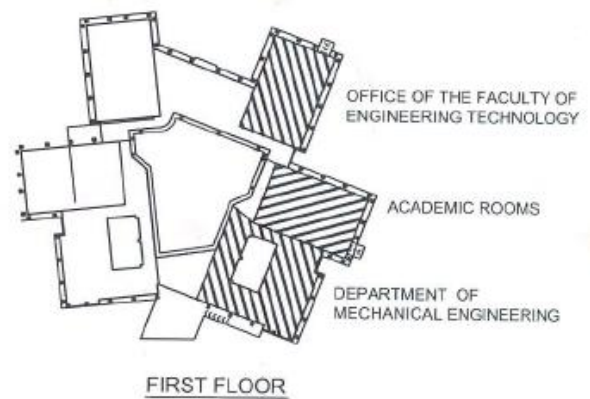
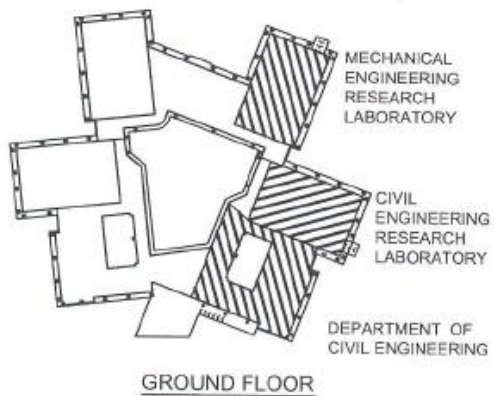
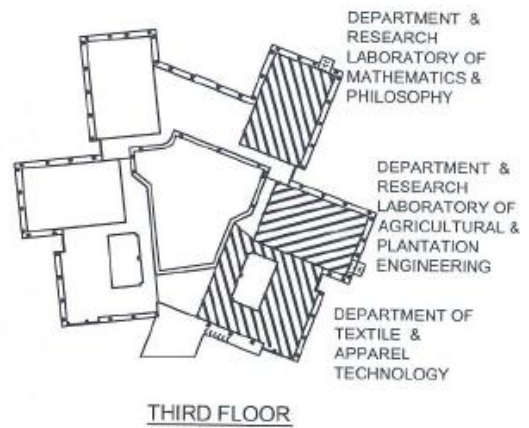
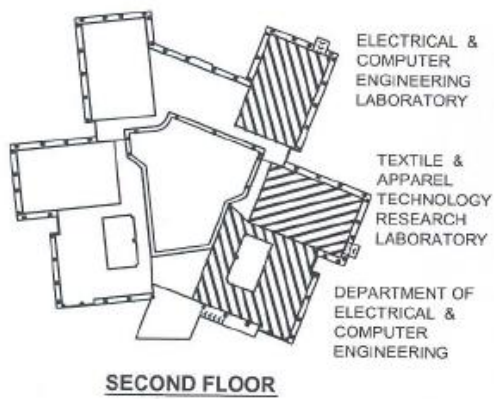


## LAYOUT OF COLOMBO REGIONAL CENTER



B 1, 2	Department of Civil Engineering Laboratories	B 8, 9, 10	Lecture Halls
B3	Dept of Agricultural & Plant. Eng. Laboratories	B11	Textile & Apparel Technology Dept. Laboratories and Lecture Halls
B4	Student Registration Block	B12	Department of Electrical & Computer Engineering Computer Laboratories, BSE programme office
B 5, 6	Textile & Apparel Technology Laboratories	B 12, 13, 14, 15	Lecture Halls
B(7A)	Departments of Natural Sciences	B 16	Mechanical Engineering Workshop
B(7B)	Auditorium	B 17	Industrial Automation lab and Mechanical Engineering Labs
B(7C)	Drawing Room	B 18, 19	Department of Electrical & Computer Engineering Laboratories, Electronic workshop
B(7D)	Mechanical Engineering CNC Lab	B 20	Physics Laboratory

## Allocation of Academic Departments in New Science and Technology Building



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## Student Fees

Unlike the other national universities in Sri Lanka, the OUSL does charge fees from its students. This is related to the fact that the OUSL was set up primarily to cater to the needs of employed students. As these students would naturally be earning at least a modest income, it was felt that the decision to levy fees is justified.

However, there is no intention of recovering the full cost of education from the students. As of today, the income from fees meets only a fraction of the total expenditure of the University. The Government, by grants disbursed through the University Grants Commission, meets the major component of the total expenditure.

The fees payable by a registered student includes, registration fee, facilities fee, exemption fee (where applicable), library facility fee and tuition fee.

The **Registration fee** (of Rs. 400/= for certificate, diploma and undergraduate programmes; Rs. 1000/= for postgraduate programmes) is charged to cover the administrative expenditure involved in student registration.

The **Facilities fee** (of Rs. 1500/=) is used to provide certain facilities for the students and is a fixed amount payable by all registered students irrespective of the number of courses offered. The **Library Facility fee** (of Rs. 100/= for certificate, diploma and undergraduate programmes; Rs. 200/= for postgraduate programmes) is charged at the time of first registration.

The **Exemption fee** (of Rs. 25/= per credit) is only charged when exemptions are granted.

The **Tuition fee** depends on the credit rating and the Level of the course offered. The tuition fees applicable for different levels are as given in the following table.

Level	Tuition fee per credit
1	Rs. 1000.00
2	Rs. 1000.00
3	Rs. 1100.00
4	Rs. 1100.00
5	Rs. 1200.00
6	Rs. 1200.00
7 & 8	Rs. 4000.00

An **Examination fee** (Rs. 100/= for certificate, diploma and undergraduate programmes; Rs. 200/= for postgraduate programmes) is charged for students who repeat, resit, or had been absent at the final examination in the year in which they got the eligibility.

The fee for each training module for the year 2014/2015 is as given below.

Level	Fee
3 and 4	Rs. 3000
5 and 6	Rs. 5000
Fee for <b>MEW3001 - Workshop practice module</b> is <b>Rs. 5000/=</b> .	
Fee for <b>StART@OUSL</b> is <b>Rs. 7500/=</b>	

The Postgraduate Diploma programme and Master of Technology programme consist of 36 credits each. The fee for the **Research Project** in the Master of Technology programme is Rs. 1000/= per credit.

In addition, the students registering for the courses TTJ3146 Fashion illustration I and TTJ4247 Fashion illustration II conducted by the Department of Textile and Apparel Technology are required to pay an additional sum of Rs. 1500/= per course.

The various types of fees given above are applicable for the academic year 2014/2015. **They may be subject to change in subsequent years.**

An initial payment, as specified on the initial voucher is paid by the time of registration, and the balance is to be settled at the payment of second instalment about half way into the academic year.

#### **Prepared by the Faculty Registration Committee – 2014/15**

Eng. D C Wijewardene (Chairman) – Department of Mechanical Engineering  
Dr. (Mrs.) H.K.L.K. Gunasekera - Department of Agricultural and Plantation Engineering  
Mr. D. P. M. B. Thibbotuwawa – Department of Civil Engineering  
Mr. D.N. Balasuriya – Department of Electrical and Computer Engineering  
Mr. C.P.S. Pathirana – Department of Mathematics & Philosophy of Engineering  
Dr. K.E.D. Sumanasiri - Department of Mechanical Engineering  
Mr. M.A.I. Perera – Department of Textile and Apparel Technology  
Mr.D.S.Devpriya Kasun - Assistant Registrar (Faculty of Engineering Technology)

#### **Overall Coordination**

Mr. B.G.D.Achintha Madhusanka - Department of Mechanical Engineering