



The Open University of Sri Lanka
Faculty of Engineering Technology

A Guide for Re-registering Students

Academic Year 2023/24

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“ The mission of the Faculty of Engineering Technology is to provide lifelong learning opportunities in Engineering and Technology for all to meet industrial and social needs through open and distance learning, and support research & scholarship by efficient & sustainable use of resources.”

Preface

The Faculty of Engineering Technology has revised the curricula of all its Study Programmes to comply with the Sri Lanka Qualification Framework (SLQF) by incorporating extensive updates to the course syllabi. The Revised Curriculum (RC) is now fully implemented.

This Guide provides information for all the students registered up to the academic year 2019/20. This Guide contains the courses that are offered in the academic year 2023/24.

Those students who intended to fulfil the award requirements (Higher Diploma/Degree) under the Interim Curriculum (IC) of different Study Programmes should have completed their award requirements by the end of the Academic Year 2022/2023.

The course lists in this Guide are based on these RC requirements (compulsory/elective).

Time schedule for student registration

The Faculty of Engineering Technology has planned to conduct Re-registration, Add/Drop and withdrawal from courses during the following dates:

- ❖ **Re-registration (BSc, BIS & ACAT): 2024 April 9 (Tuesday), 10 (Wednesday), 20 (Saturday) and 22* (Monday) at all Centres (*only at CRC) .**
- ❖ **Re-registration (BSE): 2024 April 5 (Friday), 6 (Saturday) (intakes prior to 2021, all centres)**
- ❖ **Add/Drop: 2024 April 29*, 30 April & 3 May 2024 (all centres) (*only at CRC)**
- ❖ **Final Withdrawal date: 2024 June 04**

Re-registration and Add/Drop sessions are to be conducted as in person face-to-face sessions. Counselling will be available face-to-face at CRC and KRC. Online counselling will be available for all other centres and contact RO or AD of particular centre to obtain this service.

Additional important information will be conveyed via the faculty web page and/ or MyOUSL.

Applying for the Final Examination

In order to sit for the Final Examination of courses, students should register online for the Final Examination. Any student, who wishes to change to a different Examination Centre, should inform the Examination Division in advance. The sitting for CAT Examinations and Final Examinations overseas **is not available** for the students in the academic year 2023/2024.

Applying for Awards

In order to receive an award (Certificate/ Diploma/ Higher Diploma/ Degree), students should request through their MyOUSL accounts.

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Common Information Related to Revisions of Curricula

This chapter presents common information related to completing award requirements under Revised Curricula

The Faculty of Engineering Technology has revised the curricula of all Programmes of Study in order to comply with the Sri Lanka Qualification Framework (SLQF).

Following are the Study Programmes that were revised:

- Bachelor of Technology Honours in Engineering with intermediate qualification of Higher Diploma
- Bachelor of Industrial Studies Honours with intermediate qualification of Higher Diploma
- Bachelor of Software Engineering Honours with intermediate qualification of Higher Diploma

Certificate in Industrial Studies in Apparel Technology was upgraded to Advanced Certificate in Apparel Technology.

The curricula that comply with the SLQF are designated as **Revised Curricula (RC)** and the curricula that were offered in the academic year 2017/18 are called **Interim Curricula (IC)**. The curricula offered before the academic year 2017/18 are identified as **Old Curricula (OC)**.

The Faculty has implemented the Revised Curricula by introducing levels 3 and 4 courses in the academic year 2019/20, and levels 5, 6, and 7 courses in the academic

year 2020/21. The awards under the Revised Curricula are given from the academic year 2020/21.

Completing the award requirements under the Revised Curricula

The students, who consider completing the award requirements under RC, need to make note of the following.

- The last academic year for students to receive the awards under IC is 2022/23. The students who cannot complete the awards at the end of 2022/23, are required to transfer to the RC in the academic year 2023/24.
- The respective courses completed under the IC are considered alternative course/s to courses (at levels 3 and 4) of the RC up to the academic year 2024/2025. However, (MHZ3531 and MHZ3332), DMK3270 and DMX3511 are converted to relevant courses of the RC.
- Levels 5 and 6 courses of IC completed by the students are converted to the equivalent course/s of the RC after the academic year 2022/2023.

All students coming for re-registration may seek in-person or online counselling. Academic counselling is highly recommended for those students who seek to complete the Bachelor of Science Honours in Engineering,

The students who aspire to obtain awards under Revised Curricula are requested to refer to the **Student Guidebook 2023/2024**, which is available in the Faculty website. In some cases, the students may not fully fulfil the compulsory courses of the RC, despite the courses of the IC being converted or being considered as alternative courses to those of RC. Therefore, it is very important that the students aspiring to receive awards under RC, be familiar with the curriculum of RC including the compulsory courses for the specialisation and the category-wise and level-wise minimum credits requirements.

Students cannot claim credits for both Interim Curriculum Course/s and the equivalent Courses of the Revised Curriculum that are considered to be mutually exclusive courses. A list of IC Course/s mapped with RC Course/s in respect of all Study Programmes is given in the Annex.

Study Programme Common Information

Structure of the Curricula

The curricula of all study programmes of the Faculty of Engineering Technology ensure that the student receives an academically as well as professionally recognised qualification in a particular field. However, it still allows the student to structure the subject combinations and total duration of study to suit individual needs. To gain a qualification a specific course combination stipulated for a particular specialisation needs to be fulfilled.

Courses

The fundamental entity in the dissemination process of knowledge is known as a **Course**, which in general sense is known as a **Subject**.

Course Categories

Each course is classified into one of the Course Categories denoted by specific letters as given below.

Engineering	X
Engineering projects	Y
Mathematics	Z
Industrial	I
General	J
Computer literacy	K
English	E
Management	M
Industrial Training	W

Course Levels

Each Course is also assigned a "SLQF Level", between one (1) and ten (10). The Level indicates the relative complexity of the course content. SLQF Levels 1 and 2 comprise the certificate programmes. SLQF Levels 3 to 7 are different stages in undergraduate study programmes leading to Higher Diploma and Honours Degree qualifications. Finally, the courses of postgraduate programmes are placed at Levels 7, 8, 9 and 10.

Credit Rating of a course

The Credit Rating assigned for a Course reflects the amount of time an average

student is expected to devote for its study.

Total effective time expected to be spent by an average student for a course with a Credit Rating of one (1) is about 50 notional hours, but for Project and Training courses it is about 100 notional hours. The credit rating of a course is denoted by the fifth character in the Course Code.

Example: The course MHZ3551 has a Credit rating of 5, which requires about 250 notional hours of learning during the academic year.

Course Codes

Each course is assigned with a code consisting of seven letters and numbers. The Course Code comprises of sub codes to denote the Department that offer the course, Course Category, SLQF Level, Credit Rating and the serial number of the course assigned by the Department.

The codes allocated for the Departments of the Faculty are as follows:

Department/Faculty	Code
Agricultural and Plantation Engineering	AG
Civil Engineering	CV
Electrical and Computer Engineering	EE
Mathematics and Philosophy of Engineering	MH
Mechanical Engineering	DM
Textile and Apparel Technology	TA
Faculty of Engineering Technology	FD

Following are the codes for two Departments of the Faculty of Humanities and Social Sciences which offer certain courses for the study programmes of the Faculty of Engineering Technology.

Department	Code
English Language Teaching	LT
Legal Studies	LL

Example: Course Code CVX7640

CV - Department of Civil Engineering

X - Engineering Course Category

7 - SLQF level

6 - Credit Rating

40 – Serial Number assigned by the Department for the course

The fifth character indicates the Credit Rating from 1 to 9. Credits values from 10 onwards are indicated by letters; A, B, C, Z.

Study Programmes

Study Programmes are made up of different course combinations. For the award of a qualification through a programme such as Advanced Certificate, Diploma, Higher Diploma, Degree or Honours Degree, three major considerations need to be fulfilled:

- A total stipulated number of Course Credits required for an award should be acquired, while fulfilling the minimum requirements at different Levels.
- Minimum stipulated number of Category Credits required for an award should be fulfilled by the student under each Course Category at identified Levels.
- In order for the student to qualify in a Particular Field of Study, (e.g. Civil, Mechanical, Electrical, etc.), the list of Compulsory Courses required for an award in that field of study should also be satisfied.

The pathways to fulfil the Industrial Training requirements (W category courses) for the award is given in **Annex 1**.

Assessment

The Overall Assessment Mark (Z%) of a student in respect of any course is based on the Overall Continuous Assessment Mark (X%) and the mark obtained at the Final Examination (Y%), and is computed as follows. In order to sit for the Final Examination, X should be greater than or equal to 40%.

$$Z = 0.5*X + 0.5*Y, \text{ if } Y \geq 40$$

$$Z = Y, \text{ if } Y < 40$$

This criterion is not applicable for industrial training courses.

Each student who faces the Final Evaluation of a course will be awarded a grade and a corresponding Grade Point

Value, as given in the following Table based on the Overall Assessment Mark (Z%).

Grade	Grade Point Value
A+	4.00
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	1.30
D	1.00
E	0.00

Performance Ranking

The performance of a student for degree study programmes are ranked based on Grade Point Average (GPA). The method of computing GPA is given under the description of each study programme in Section 3.

A student who achieves a Cumulative GPA above a certain value and satisfy other conditions as determined by the Faculty is included in the Dean's List for each academic year.

Fees for Study Programmes

Unlike the other national universities in Sri Lanka, the OUSL does charge fees from its students. This is related to the fact that prospective students could gain admission to study programmes after fulfilling the minimum entry requirements and the OUSL was set up primarily to cater to the needs of employed students.

However, the Government or the University has no intention of recovering the full cost of education from the students and major part of the cost of any study programme is borne by the State. 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 student includes, registration fee, facilities fee, exemption fee (where applicable), library facility fee, tuition fee, etc.

The fees applicable for the academic year

2023/2024 are as follows:

Type of Fee	Certificate, Diploma and Degree Programmes (Rs.)	Postgraduate Programmes (Rs.)
Registration	500	1,500
Facilities	2,500	2,500
Library Facility	100	200
Instrument usage fee (one time only)	12500 (Except for Certificate Programme)	-
Exemption	300 per credit	
Tuition fee	Depends on the Course Level	

Tuition fee applicable for the academic year 2023/2024, on the Bachelor of Science Honours, and the Bachelor of Industrial Studies Honours programmes are given in the table below.

Course at SLQF Level	Tuition fee per Credit (Rs.)	Training courses (Rs.)
3 and 4	1980	3300
5, 6 and 7	3070	5500

Students registering for the courses TAI3270 Fashion Illustration I and TAI4373 Fashion Illustration II

conducted by the Department of Textile and Apparel Technology are required to pay an additional sum of Rs. 1,725 per Course.

The students registering for the course CVX5440 Surveying II conducted by the Department of Civil Engineering are required to pay an additional sum of Rs. 10,500 for participation at the residential survey camp.

These rates are liable to be revised.

All students who submit online applications will receive two vouchers; one for the main Faculty Programme (first instalment) and the other for the StART@OUSL programme. When you come for the registration you need to bring the university copies of two payment receipts for vouchers after both payments have been made. The course material for the first dispatch (first part of the course material) will be issued at the registration.

The second instalment voucher (amount of which will be based on course credits registered by the student) will be sent in due course. When you come to collect the course material for the second dispatch you have to produce the payment receipt for this second instalment voucher.

Scholarships

The University has a limited number of bursaries, including University Bursaries, Dean's list and Mahapola Scholarships to help students who are in need of financial support.

Study Programme Details

This Section describes in detail the following Programmes of Study conducted by the Faculty of Engineering Technology.

Extract from the “SRI LANKA QUALIFICATION FRAMEWORK (SLQF)” published by the University Grants Commission, 2015, on qualification Levels are reproduced in the table below;

SLQF Level	Qualification Awarded
12	Doctor of Philosophy/Doctor of Letters/Doctor Science
11	Master of Philosophy
10	Master with course work and a research component
9	Masters by course work
8	Postgraduate Diploma
7	Postgraduate Certificate
6	Bachelors Honours
5	Bachelors
4	Higher Diploma
3	Diploma
2	Advanced Certificate (G.C.E. A/L or equivalent)
1	Certificate (G.C.E. O/L or equivalent)

Degree of Bachelor of Science Honours in Engineering Study Programme

Aim of the Study Programme

The aim of the Study Programme is to provide an access, for the right candidates, to an educational system composed with outstanding and up-to-date academic content delivered within a well-planned curriculum framework and course syllabi with a provision for high flexibility in course selection, facilitating the focus on emerging subject areas in the industry, that will disseminate essential knowledge and skills in a wide range of engineering disciplines, and most suited for open distance learning pedagogy. The study Programme also gives due consideration to the social and environmental impacts and prepare the students to undertake postgraduate studies and research as career options.

Study Programme Educational Outcomes

To produce competent engineers;

- With up-to-date knowledge and expertise in their own specialty areas and acquired ingenuity to address engineering problems with holistic approach with due consideration to environment and society.
- With inspiration to be leaders in the advancement of their specialty areas of engineering by engaging in continuous professional development, research and scholarship

Degree of Bachelor of Science Honours in Engineering - Study Programme

The Bachelor of Science Honours in Engineering degree is designed carefully according to the requirements of the Sri Lanka Qualification Framework (SLQF), specifying minimum and maximum limits for each category of courses, to ensure that the programme is balanced, and it meets the academic requirements of professional Engineering bodies, both in Sri Lanka (The

Institution of Engineers, Sri Lanka - IESL) and overseas.

The Faculty expects a student who is awarded the Bachelor of Science Honours in 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 and
- Access and utilise engineering knowledge for the benefit of the society.

It is also possible for a student to obtain a Higher Diploma in an approved Technology discipline after successful completion of a required combination of courses and Credit requirements. The Higher Diploma is one of the main avenues to enter middle-level technical grades within the engineering disciplines.

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

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

Duration

The minimum duration of the Honours Degree programme, starting from level 3, is 5 academic years, and the maximum number of academic years a student can spend to complete the degree programme is three times the minimum and is fifteen (15) academic years.

Medium of instruction

The medium of instruction of the study programme is the language of English.

Areas of Specialisation

The degree of the Bachelor of Science Honours in Engineering is available in the following specialisations.

- 1) Agricultural Engineering
- 2) Civil Engineering
- 3) Computer Engineering
- 4) Electrical Engineering
- 5) Electronic and Communication Engineering
- 6) Mechanical Engineering
- 7) Mechatronics Engineering
- 8) Textile and Clothing Engineering

Eligibility for Admission

A person seeking admission to the programme leading to the award of the Degree of Bachelor of Science Honours in Engineering shall be required to have at least fulfilled one of the following:

- 3 Obtained passes for all subjects of the Physical Science Stream, (Combined Mathematics, Physics and Chemistry) at the General Certificate of Education (Advanced Level) (GCE A/L) Examination, at one and the same sitting or
- 4 Obtained the Advanced Certificate in Science with Courses in the disciplines of Mathematics, Physics and Chemistry, offered by The Open University of Sri Lanka or
- 5 Obtained a minimum of three (3) credit (C) passes for Mathematics, Physics and Chemistry in Cambridge/Edexcel Advanced Level Examination within three years or
- 6 Obtained an equivalent or higher qualification acceptable to the Senate of the University.

Recognition for the Associate Membership of the Institution of Engineers, Sri Lanka (IESL)

Faculty of Engineering Technology has

been successful in the renewal of the professional recognition by the Institution of Engineers, Sri Lanka (IESL), for six specializations of the Degree of Bachelor of Science Honours in Engineering.

The recognition of the Degree by the IESL permits graduates to obtain the Associate Membership of the IESL, and later become Chartered Engineers after fulfilling professional review requirements laid down by the IESL. Also, the IESL membership is required by an Engineer to secure appropriate level of registration at the Engineering Council of Sri Lanka (ECSL) to lawfully practice Engineering in this country.

However, the direct IESL recognition is only available for graduates who have surpassed the benchmark of being successful at the GCE (A/L) Examination with at least 2 Credit passes and 1 Simple pass in the Physical Science Stream (Combined Mathematics, Physics, and Chemistry), at one and the same sitting, if they have embarked in their undergraduate study on or after 2018 May.

Requirements for the award of the Degree

In order for a student to qualify for the award of the Degree of Bachelor of Science Honours in Engineering, such student has to fulfil the following requirements, within a maximum period of 12 academic years (on the rule that stipulates maximum period allowed is three times the minimum period of 4 years).

- (1) Successful completion of all compulsory courses for the selected engineering specialisation, and
- (2) Fulfil the level-wise and category-wise course credits as given in the Table 1.

Table 1 - Course credits requirements for the Award of Bachelor of Science Honours in Engineering Degree

Category	Denoted	Minimum credits	Maximum credits
Engineering	X	90 Subject to a minimum of 40 at Level 5 or above, of which at least 20 at Level 6 or above	95 Subject to a minimum of 40 at Level 5 or above, of which at least 20 at Level 6 or above
Engineering projects	Y	9 of which at least 8 at Level 6 or above	14 of which at least 8 at Level 6 or above
Mathematics	Z	20 subject to a minimum of 5 at Level 5 or above	25 subject to a minimum of 5 at Level 5 or above
General /Humanities	J	5	10
Management	M	15 Subject to a minimum 10 at Level 5 or above	20 Subject to a minimum 10 at Level 5 or above
Industrial Training	W	8	8
Total		152 Subject to a minimum of 75 at Level 5 or above, of which at least 30 at Level 6 or above	

Requirements for the award of the Higher Diploma

A student could obtain Higher Diploma in an approved technology discipline as an intermediate award. In order to qualify for the award of Higher Diploma, a student has to meet the following requirements.

- (1) Successful completion of all compulsory courses at levels 3 and 4 for the selected engineering specialisation, and
- (2) Fulfil the level-wise and category-wise minimum course credits as given in Table 2.
- (3) Pass all Level 3 and 4 Compulsory courses, excluding Engineering Mathematics III (MHZ4553).

Table 2- Course credits requirements for the Award of the Higher Diploma in an approved discipline

Category	Denoted	Minimum credits	Maximum credits
Engineering	X	45 Subject to a minimum of 20 at Level 4 or above	50 Subject to a minimum of 20 at Level 4 or above
Engineering projects	Y	1 at Level 4	4 at Level 4
Mathematics	Z	10	15
General /Humanities	J	0	5
Management	M	5 at Level 3 or 4	10, subject to 5 at Level 3 or 4
Industrial Training	W	8	8
Total		74 Subject to a minimum of 30 at Level 4 (Minimum no of Compulsory courses)	

Grade Point Average (GPA)

The GPA is computed by considering the courses at levels 4, 5, 6 and 7 totalling to 90 credits. In selecting the courses for 90 credits the following sequence will be followed.

- (1) Compulsory Courses at Levels 5, 6 and 7
- (2) Non-compulsory Courses at Levels 5, 6 and 7 with the higher GPVs.
- (3) Compulsory courses at level 4 with the higher GPVs.

In a situation, where exactly ninety (90) credits cannot be obtained, the courses are selected to the nearest value below ninety (90), and the remainder credit is taken as a Part Credit of the next course. However the Industrial Training courses are not considered when calculating the GPA.

The Grade Point Average (GPA) is computed as follows:

$$GPA = \frac{\{\sum (Credit\ Rating\ of\ the\ Course) * (GPV)\} + (Part\ Credit\ of\ the\ Course) * (GPV)}{90}$$

Limits for Exemptions

Notwithstanding any exemptions granted for prior qualifications, a student shall acquire, by successful completion in accordance with the Scheme of Assessment, a minimum number of Credits as shown below for the awards.

For the Degree:

Minimum Credit requirements a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Honours Degree are as given below.

1. Level 7 (considering all Categories): 10
2. Level 7 (considering X and Y categories): 7
3. Levels 5, 6 and 7 (considering all Categories): 38
4. Levels 5, 6 and 7 (considering X, Y

and Z Categories): 27

5. Total (considering all Categories and all levels from 3 to 7): 76

For the Higher Diploma:

Minimum Credit requirements a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Higher Diploma are as given below.

6. Level 4 (considering all Categories): 15
7. Level 4 and above (considering X and Y Categories): 11
8. Total (considering all Categories and all levels from 3 to 7): 37

A list of qualifications for which exemptions could be claimed is given later in this document.

Students are required to apply in a prescribed form after completing the award requirements to receive the Higher Diploma or the Degree

Curricula for different specialisations

The curriculum of the Programme of Study leading to the awards of Bachelor of Science Honours in Engineering degree and the Higher Diploma has been revised to comply with the Sri Lanka Qualification Framework and professional recognition needs.

This Section gives the combination of courses for the specialisations of the Bachelor of Science Honours in Engineering

Degree.

Special notes applicable for all specialisations

Engineering Mathematics (Z) and General (J) Category courses have to be selected from the following list if not included in the compulsory lists for specialisations, in order to meet Z and J Category Course Credit requirements.

Courses (Revised Curriculum)		Pre-requisites
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
LLJ3245	Introduction to Laws of Sri Lanka	None
MHZ4553	Engineering Mathematics III	MHZ3551(CA), MHZ3552(CA)
MHJ4241	History of Technology	Pass in 20 credits
MHZ5554	Engineering Mathematics IV	MHZ3551(P), MHZ3552(P), MHZ4553(CA)
MHZ5355	Discrete Mathematics	MHZ3551(P)
MHJ5342	Technology, Society and Environment	Pass in 45 credits
MHJ5343	Nature of Science	Pass in 45 credits

Important Notes

- **Maximum number of credits per academic year and General pre-requisites**

Maximum number of credits a student can register at the Open University of Sri Lanka per academic year is 38.

- **General (J) and Management (M) category courses**

The courses listed under specializations do not include General (J) and Management (M) category courses, and these have to be selected from the Table given below to meet the minimum credit requirements in those course categories.

All the courses of IC have now been discontinued. Therefore, students need to register for the alternative course given in the second column (RC courses).

Course (IC)	Alternative Course (RC)	Prerequisite
LLJ3360 Introduction to laws of Sri Lanka	LLJ3245 Introduction to Laws of Sri Lanka	None
None	MHJ4241 History of Technology	Pass in 20 credits
MHJ5531 The nature of science	MHJ5343 Nature of Science	Pass in 45 credits
MHJ5533 Technology, society and environment	MHJ5342 Technology, Society and Environment	Pass in 45 credits
DMM5836 Management for engineers (Last offered in 2020/21)	AGM4307 Economics and Marketing for Engineers	Pass in 18 credits
	CVM5401 Accounting for Engineers	AGM4307(P)
	DMM6601 Management for Engineers	CVM5401(CA)
TAM5861 Textile management and merchandising (Last offered in 2020/21)	None	None

- **Non-compulsory (Elective) Courses**

The students enrolled until the academic year 2017/18 had the provision to register for courses from the “Complete List of Courses” of the Faculty to fulfil the *slack* of a given specialisation. In the RC, recommended elective courses are provided from which the student has to choose courses for the *slack*.

The students who have already completed courses (CA or P) outside the list of recommended courses can count the credits for such courses despite receiving the awards under IC or RC. Now the students are allowed to register only for the courses selected from the recommended elective courses. However, those courses that have been already completed may be considered towards the credit requirements.

- **Industrial Training Modules**

Industrial training modules under the IC are replaced with equivalent Industrial Training Courses under the RC from the academic year 2019/20. After the academic year 2022/23, all the Industrial training modules will be converted to equivalent Industrial Training Courses where possible.

- **Fulfilment of Category Credits and Compulsory Courses under RC**

The students who aspire to receive awards under the RC need to register for the following courses, except under the conditions mentioned in the '**Remarks**' column of the following Table, to fulfil category-wise credit requirements and compulsory course requirements for awards under RC.

Course (RC)	Prerequisites	Remarks
EEX3417 Software Development for Engineers	DMX3511(P) OR AGM3203(CR)	Exemption will be granted for an equivalent course in Interim Curriculum
CVY4185/EEY4181/EEY4182/EEY4183/ DMY4101/DMY4102/TAY4181 Group Project	As decided by the department of study	CVY4185 is compulsory only for the awards of Higher Diploma in Civil Technology
AGM4307 Economics and Marketing for Engineers	Pass in 18 credits in Level 3	if not completed DMM5836

The following pages give the courses for different specialisations for meeting the award requirements under RC

Curriculum for Agricultural Engineering Specialisation

Compulsory courses

Course		Pre-requisites
Level 3		
AGX3201	Basic Biology	None
CVX3340	Introduction to Hydraulics & Hydrology	DMX3401 (CR), MHZ3551 (CR)
EEX3410	Introduction to Electrical Engineering	MHZ3552 (CR)
EEX3417	Software Development for Engineers	AGM3203 (CR)
EEX3351	Electronics I	EEX3410 (CR)
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3302	Engineering Mechanics	MHZ3551(CR), MHZ3552(CR)
DMX3305	Introduction to Engineering Design Graphics	None
DMX3107	Workshop Practice	None
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
AGX4404	Crop Technology	None
AGX4405	Postharvest Engineering and Technology I	None
AGX4356	Soil Science	None
CVX4342	Surveying I	DMX3305(P), MHZ3551(P), MHZ3552(P)
DMX4205	Strength of Materials I	DMX3302(CA), MHZ3551(CA), MHZ3552(CA)
AGX4302	Design of Agricultural Machine Elements	DMX3302(CA), DMX3305 (CA), DMX4205(CR)
AGX4376	Crop Processing Technology	AGX4404(CR) or AGX4405(CR)
AGY4180	Group Project (Agricultural Engineering)	Pass in 15 credits
MHZ4553	Engineering Mathematics III	[MHZ3531(P), MHZ3332(P)] or [MHZ3551(CA), MHZ3552(CA)]
AGM4307	Economics and Marketing for Engineers	Pass in 18 credits in Level 3
Level 5		
AGX5206	Food Science	None
AGX5308	Soil Management Tillage and Traction	AGX4356 (CA)
AGX5314	Engineering Design (Agricultural Engineering)	DMX4205(CA), DMX4307(CA), AGX4302(CA), AGX5511(CR)
AGX5510	Design and Management of Irrigation and Drainage	AGX4356(CA)
AGX5511	Farm Power and Mechanization	DMX4205(CA)
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530 (P)]
CVM5401	Accounting for Engineers	AGM4307(CA) and 30 Credits(P)
Level 6		
AGX6180	Research Methodology and Project Identification (Agricultural Engineering)	30 credits at Level 4 or above (P)
DMM6601	Management for Engineers	CVM5401 (CA), 60 credits (P)
AGX6387	Plantation Crop Technology	AGX4404 (P)
Level 7		
AGX7216	Structural Designs for Commercial Farming	DMX3305(P), MHZ5554(CA)
AGX7417	Agricultural Hydrology	CVX3340(P), AGX4356(P),
AGX7418	Food Engineering	AGX4405 (P)
AGX7283	Groundwater Resources Management	AGX4356(P)
AGY7880	Engineering Research Project (Agricultural Engineering)	Pass in 80 credits including 50 credits Pass in X category courses
Industrial Training		
AGW4402	Industrial Training I (Agricultural Engineering)	Pass in 36 credits at level 3

AGW5402	Industrial Training II(Agricultural Engineering)	AGW4401 (CR), pass in 15 credits at level 4 or above
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Elective courses

AGX5212	Postharvest Engineering and Technology II	AGX4405(CA), AGX5206(CR)
AGX5277	Food Safety and Quality Management Systems	AGX5206(CR), AGX4405(CA)
AGX5415	Horticultural Landscaping Technology	AGX4404 (CA)
AGX5565	Soil Plant Water Relationship	AGX4356(CA)
AGX5309	Sustainable Agricultural Technology	AGX3201(P), AGX4356(CR)
AGX6377*	Precision Agriculture	68 Credits (P)
AGX6284	Impact of Climate Change on Water Resources	AGX5565(CR) and AGX6283 (CR)
AGX6490	Soil and Water Conservation	AGX4356(P)
DMX6302	Energy, Environment and Sustainability	75 Credits (P)
CVX7350*	Remote Sensing and GIS	none

*Not offered in 2023/2024

Special Note:

Bachelor of Science Honours in Engineering (Agricultural Engineering) will be offered only if adequate number of students (as decided by the Department) are registered for the programme. In the event BScHons in Agricultural Engineering is not offered, those students who have applied will be allowed to register for any other specialisation or study programme provided they possess the required entry qualifications.

Curriculum for Civil Engineering Specialisation

Compulsory Courses

Courses		Prerequisites
Level 3		
CVX3340	Introduction to Hydraulics & Hydrology	[DMX3401(CR) OR DMX3512(P)], [MHZ3551 (CR) OR MHZ3531(P)]
CVX3441	Structural Analysis and Design I	[DMX3305(CR) OR DMX3511(P)], [CVX3442 (CR) OR CVX3534(CR)]
CVX3442	Strength of Materials	[MHZ3551(CR), MHZ3552(CR)] OR [MHZ3531(P), MHZ3332(CR)]
EEX3410	Introduction to Electrical Engineering	MHZ3552(CR) OR MHZ332(P)
EEX3417	Software Development for Engineering	AGM3203(CR) OR DMX3511(P)
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3305	Introduction to Engineering Design Graphics	None
DMX3107	Workshop Practice	None
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
CVX4240	Hydraulic Engineering I	[CVX3340(P) OR CVX3552(P)], [DMX3401(P) OR DMX3512(P)], [MHZ3551(P) OR MHZ3531(P)]
CVX4241	Engineering Hydrology	[CVX3340(P) OR CVX3532(P)], { [MHZ3551(P) , MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)] }
CVX4342	Surveying I	[DMX3305(P) OR DMX3511(P)], { [MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)] }
CVX4343	Soil Mechanics	[CVX3340(P) OR CVX3532(P)], [CVX3442(P) OR CVX3534(P)]
CVX4344	Engineering Geology	[CVX4343(CR) OR CVX4530(P), [CVX4241(CR) OR CVX3532(P)]
CVX4545	Structural Analysis and Design II	[CVX3441(P) OR CVX3531(P)], [CVX3442(P) OR CVX3534(P)]
CVX4446	Construction Engineering & Materials	[CVX3442(P) OR CVX3534(P), [MHZ3552(P) OR MHZ332(P)], [AGM3203 (P) OR DMX3511 (P)], [DMX3107(CR) OR DMW3001(P)]
MHZ4553	Engineering Mathematics III	[MHZ3551(CA), MHZ3552(CA)] OR [MHZ3531(P), MHZ3332(P)]
AGM4307	Economics and Marketing for Engineers	Pass in 18 credits in Level 3
Level 5		
CVX5440	Surveying II	[CVX4342(P) OR CVX4446(P)], [CVX4241(P) OR CVX3532(P)], [CVX4344(P) OR CVX5532(P)]. [MHZ4553(P) OR MHZ4530(P)] & Pass in additional 30 credits in X Category, subjected to a minimum of 16 at Level 4 or above.
CVX5241	Hydraulic Engineering II	[CVX4240(P), CVX4241(P)] OR CVX3532(P)
CVX5242	Mechanics of Fluids	[CVX4240(P), CVX4241(P)] OR CVX3532(P)
CVX5443	Structural Analysis	[CVX4545(P) OR CVX4531(P)], [MHZ4553(P) OR MHZ4530(P)]
MHZ5554	Engineering Mathematics IV	{ [MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)] }, [MHZ4553(CA) or MHZ4530(P)]
CVM5401	Accounting for Engineers	AGM4307(CA) and 30 Credits(P)
Level 6		
CVX6444	Geotechnics	CVX4343 (P) OR CVX4530 (P)
CVX6345	Environmental Engineering	[CVX3340(P) OR CVX3532(P)], { [CVX4240(P), CVX4241(P)] OR [CVX5531 (P)] }
CVX6546	Construction Engineering and Management	[CVX4446(P) OR CVX4532(P)], [CVX4545(P) OR CVX453 (P)]

CVX6180	Research Methodology and Project Identification (Civil Engineering)	None
DMM6601	Management for Engineers	CVM5401(CA), 60 credits (P)
CVW6803	Industrial Training (Civil - Undergraduate)	[MHZ5554(P) OR MHZ5530(P)], [CVX5440(P) OR CVX5530(P)], {[CVX5241(P), CVX5242(P)] OR [CVX5531(P)]}, [CVX5443(P) OR CVX5533(P)], Eligibility in 21 credits at level 5 or above
Level 7		
CVX7640	Structural Design	[CVX5443(P) OR CVX5533(P)], [CVX4545 (P) OR CVX4531 (P)]
CVX7241	Geotechnical Design	[CVX6444(P) OR CVX6530(P)]
CVX7242	Environmental Engineering Design	[CVX6345(CR) OR CVX6533(P)]
CVY7880	Engineering Research Project (Civil)	Pass in 100 credits including: 70 credits Pass in X category courses, CVX6180(P)
CVY7385	Comprehensive Design Project (Civil)	Pass in 100 credits including: 70 credits Pass in X category courses, [CVX7640(CR) OR CVX6832(P)], [CVX7241(CR) OR CVX6530(P)], [CVX7242(CR) OR CVX 6533 (P)]

Elective Courses

Courses		Prerequisites
*CVX4347	Irrigation Engineering	CVX3340(P) OR CVX3532 (P)
CVX4348	Water and Wastewater Engineering	CVX3340 (P) OR CVX3532 (P)
CVX4349	Building Engineering	[DMX3305(P) OR DMX3511 (P)], [EEX3410 (P) OR EEX3510 (P)], [CVX4446 (CR) OR CVX4532 (P)]
CVX4350	Quantity Surveying	[CVX4342(CR) OR CVX3533 (P)], [CVX4446(CR) OR CVX4532(P)]
**CVY4185	Group Project	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [DMX3305(P) OR DMX3511(P)], [CVX3340(P) OR CVX3532(P)], [CVX3441(P) OR CVX3531(P)], [CVX3442(P) OR CVX3534(P)], [CVX4343(CR) OR CVX4530(P)], [CVX4545(CR) OR CVX4531(P)], [CVX4446(CR) OR CVX4532(P)]
CVW4802	Industrial Training	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)] , EEX3417(P), [DMX3401(P) OR DMX3512(P)], [EEX3410(P) OR EEX3510(P)], {[DMX3305(P), AGM3203(P)] OR DMX3511(P)}}, [CVX3340(P) OR CVX3532(P)], [CVX3441(P) OR CVX3531(P)], [CVX3442(P) OR CVX3534(P)], Eligibility in 20 credits at level 4 or above
CVX7343	Bridge Engineering	[CVX7640 (CR) OR CVX6832 (P)]
CVX7344*	Computational Mechanics using Finite Element Methods	[CVX7640 (CR) OR CVX6832(P)]
CVX7345	Highway Engineering and Design	[CVX4343 (P) OR CVX4530 (P)], [CVX4446 (P) OR CVX4532 (P)], [CVX5440 (P) OR CVX5530 (P)]
CVX7346	Ground Improvement Techniques	[CVX4343(P) OR CVX4530(P)], [CVX6444 (P) OR CVX6530(P)]
CVX7347*	Applied Engineering Geology and Rock Mechanics	[CVX4344(P) OR CVX5532(P)] , [CVX6444 (P) OR CVX6530(P)]
CVX7348*	Coastal Engineering and Coastal Zone Management	[CVX5242(P) OR CVX5531(P)], [MHZ5554 (P) OR MHZ5530 (P)], [CVX6345 (CR) OR CVX6533(P)]
CVX7349	Environmental Modelling and Management	[CVX5242(CA) OR CVX5531(P)], {[CVX6345(CA), CVX7242(CR)] OR CVX6533(P)}
CVX7350*	Remote Sensing and GIS	None

*Not offered in 2023/2024 **Compulsory for Higher Diploma

Curriculum for Computer Engineering Specialisation

Compulsory Courses

Course		Prerequisites
Level 3		
EEX3331	Electrical Measurements and Instrumentation	EEX3510(P) OR EEX3410(CR)
EEX3336	Communications and Computer Technology	DMX3511(P) OR AGM3203(CR), EEX3510(P) OR EEX3410(CR), EEX4547(P) OR EEX3517(P) OR EEX3417(CR), EEX3530(P) OR EEX3350(P) OR EEX3351(CR)
EEX3351	Electronics I	EEX3510(P) OR EEX3410(CR)
EEX3410	Introduction to Electrical Engineering	MHZ3531(P) OR MHZ3552(CR)
EEX3417	Software Development for Engineers	DMX3511(P) OR AGM3203(CR)
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3305	Introduction to Engineering Design Graphics	None
DMX3107	Workshop Practice	None
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
EEX4331	Circuit Theory and Design	EEX3510(P) OR EEX3410(CA), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(CA), MHZ3552(CA)]
EEX4332	Electrical Power	EEX3510(P) OR EEX3410(CA), MHZ3531(P) OR MHZ3551(CA)
EEX4435	Data Structures and Algorithms	EEX3533(P) OR EEX3517(P) OR EEX3417(CA) OR EEX4547(P), MHZ3531(P) OR MHZ3551(CA), DMX3511(P) OR AGM3203(CA), Pass in 15 credits at level 3
EEX4347	Software Engineering Concepts	EEX3533(P) OR [EEX3517(P) OR EEX3417(CA), EEX3336(CA)], DMX3511(P) OR AGM3203(CA), Pass in 15 credits at Level 3
EEX4436	Microprocessors and Interfacing	MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), [EEX3533(P) OR (EEX3336(P), EEX3517(P) OR EEX3417(P))], [EEX3350(P) OR EEX3351(P), EEX4350(P) OR EEX4351(CR)] OR EEX3530(P) OR DMX3572(P) OR DMX3574(P) OR DMX3304(P)
EEX4351	Electronics II	EEX3510(P) OR EEX3410(P), EEX3350(P) OR EEX3351(CA), MHZ3531(P) OR [MHZ3551(P), MHZ3552(CA)], DMX3511(P) OR AGM3203(P)
EEY4181	Group Project (Computer Engineering)	Pass in 30 credits
EEW4301	Industrial Training (Electronics)	EEX4350(P) OR EEX3530(P) OR EEX4351(CR), Pass in 36 credits at Level 3
MHZ4553	Engineering Mathematics III	[MHZ3531(P), MHZ3332(P)] OR [MHZ3551(CA), MHZ3552(CA)]
AGM4307	Economics and Marketing for Engineers	Pass in 18 credits at Level 3
Level 5		
EEX5434	Data Communications & Networking	EEX3533(P) OR EEX3336(P), EEX3510(P) OR EEX3410(P), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)], DMX3511(P) OR AGM3203(P)
EEX5335	Operating Systems	MHZ5340(CA) OR MHZ5355(CR), EEX4535(P) OR EEX4435(CA), EEX4536(P) OR EEX4436(CA), EEX5536(CR), Pass in 36 credits at Level 3
EEX5536	Computer Architecture	EEX3533(P) OR EEX4547(P) OR [EEX3517(P) OR EEX3417(P), EEX3336(P)], EEX3530(P) OR EEX3350(P) OR EEX3351(P), [MHZ3531(P), MHZ3332(P)] OR MHZ4553(P), EEX4536(P) OR EEX4436(CA), Pass in 30 credits
EEX5346	Embedded Systems	EEX4547(P) OR EEX3517(P) OR EEX3417(P),

		EEX3533(P) OR EEX3336(P), [EEX3350(P) OR EEX3351(P), EEX4350(P) OR EEX4351(CA)] OR EEX3530(P), EEX4536(P) OR EEX4436(CA), EEX5535(P) OR EEX5335(CR) OR EEX5564(CR) OR EEX5536(CR), MHJ5533(P) OR MHJ5342(CR)
EEX5351	Digital Electronic Systems	EEX3510(P) OR EEX3410(P), EEX3533(P) OR EEX4547(P) OR [EEX3517(P) OR EEX3417(P), EEX3336(P)], EEX4350(P) OR EEX3530(P) OR EEX4351(P), MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), EEX4536(P) OR EEX4436(CA)
EEX5360	Signals and Systems	EEX3533(P) OR EEX3336(P), MHZ4530(P) OR MHZ4553(CR), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)]
EEX5270	Information Security	MHZ3531(P) OR MHZ3551(P), EEX4547(P) OR EEX3517(P) OR EEX3417(P), EEX4535(P) OR EEX4435(P), 30 credits pass at Level 3
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530(P)]
MHZ5355	Discrete Mathematics	MHZ4340(P) OR MHZ4256(P) OR MHZ3551(P)
MHJ5342	Technology, Society and Environment	45 credits pass
CVM5401	Accounting for Engineers	AGM4307(CA), 30 credits pass
EEW5501	Industrial Training (Computer)	EEW3001(P) OR EEW3590(P) OR EEW4301(CR), EEX4547(P) OR EEX4537(P) OR EEX4347(P), 65 credits pass
Level 6		
EEX6335	Compiler Design	DMX3511(P) OR AGM3203(P), EEX4535(P) OR EEX4435(P), EEX5536(CA), MHZ4340(P) OR MHZ4256(P) OR MHZ3551(P), MHZ5340(P) OR MHZ5355(P)
EEX6236	Advanced Computer Architecture	MHZ4530(P) OR MHZ4553(P), EEX4536(P) OR EEX4436(P), EEX5535(P) OR EEX5335(CA), EEX5536(CA), 60 credits pass
EEX6181	Research Methodology and Project Identification (Computer Engineering)	Pass in 60 credits, EEX5335(CA) OR EEX5535(P), EEX5536(CA), EEX4435(P) OR EEX4535(P)
DMM6601	Management for Engineers	CVM5401(CA), 60 credits(P)
EEM6201	Professional Practice	Pass in 36 credits at level 3, Pass in 24 credits at level 4 or above
Level 7		
EEX7436	Processor Design	EEX6351(P) OR EEX6830(P) OR EEX5351(CA), EEX5536(CA), EEX3533(P) OR EEX4547(P) OR [EEX3517(P) OR EEX3417(P), EEX3336(P)], DMX3511(P) OR AGM3203(P), MHZ3550(P) OR MHZ3551(P), EEX4536(P) OR EEX4436(P)
EEX7337	System Design in Groups	EEX4435(P) OR EEX4535(P), EEX4537(P) OR EEX4347(P), EEX4436(P) OR EEX4436(P), EEX5536(P), EEX5351(P) OR EEX6351(P), EEX5346(P), EEX5270(CA), MHZ5530(P) OR MHZ5554(P), Pass in 80 credits including 50 credits Pass in X category.
EEY7881	Engineering Research Project (Computer Engineering)	EEX6181(P), EEX6536(P) OR EEX7436(CR), EEX6236(CR), Pass in 80 credits including 50 credits pass in X category

Elective Courses

Course		Prerequisites
EEX3266	Information Systems and Data Management	None
EEX3269	Mobile Application Development for Android	None
EEX3262	Introduction to Object Oriented Programming	EEX3533(P) OR EEX3517(P) OR EEX3417(CR)

EEX3372	Programming in Python	EEX4547(P) OR EEX3517(P) OR EEX3417(CR)
*EEX4146	Digital System Simulation	EEX3533(P) OR EEX3336(P), EEX3530(P) OR EEX3350(P) OR EEX3351(P), EEX4547(P) OR EEX3517(P) OR EEX3417(P), MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), EEX3530(P) OR EEX4350(P) OR EEX4351(CR)
EEX4362	Object Oriented Design and Programming	EEX3262(CA), EEX3417(P), MHZ3551(CA)
EEX4366	Data Modelling and Database Systems	EEX3266(CA)
*EEX5280	Creative Design	45 credits pass
*EEX5466	Advanced Database Systems	[EEX3266(P), EEX4366(CA)] OR EEX5545(P)
EEX5467	Software Testing and Quality Assurance	EEX4547(P) OR EEX4537(P) OR EEX4347(P), 20 credits pass at Level 3
EEX7241	Neural Network & Fuzzy Logic Applications	EEX3533(P) OR EEX3517(P) OR EEX3417(P), 65 credits pass
EEX7244	Data Mining	EEX4435(P), MHZ4553(P), 60 credits pass
EEX7340	AI Techniques & Agent Technology	EEX4535(P) OR EEX4435(P), [MHZ4340(P), MHZ5340(P)] OR MHZ5355(P), EEX4547(P) OR EEX4537(P) OR EEX4347(P)
EEX7171	Emerging Technologies	60 credits pass

*Not offered in 2023/2024

Curriculum for Electrical Engineering Specialisation

Compulsory Courses

Course		Prerequisites
Level 3		
EEX3331	Electrical Measurements and Instrumentation	EEX3510(P) OR EEX3410(CR)
EEX3336	Communications and Computer Technology	DMX3511(P) OR AGM3203(CR), EEX3510(P) OR EEX3410(CR), EEX4547(P) OR EEX3517(P) OR EEX3417(CR), EEX3530(P) OR EEX3350(P) OR EEX3351(CR)
EEX3351	Electronics I	EEX3510(P) OR EEX3410(CR)
EEX3410	Introduction to Electrical Engineering	MHZ3531(P) OR MHZ3552(CR)
EEX3417	Software Development for Engineers	DMX3511(P) OR AGM3203(CR)
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3305	Introduction to Engineering Design Graphics	None
DMX3107	Workshop Practice	None
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
EEX4331	Circuit Theory and Design	EEX3510(P) OR EEX3410(CA), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(CA), MHZ3552(CA)]
EEX4542	Power Systems I	EEX3510(P) OR EEX3410(P), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(CA)], DMX3511(P) OR DMX3305(P), EEX3531(P) OR EEX4331(CR), EEX4548(P) OR EEX4448(CR)
EEX4434	Electrical Installations	EEX3510(P) OR EEX3410(P), DMX3511(P) OR DMX3305(P), EEX3532(P) OR EEX4532(P) OR EEX4332(CR) OR EEX4552(P) OR EEX4542(CR)
EEX4448	Electrical Machines	EEX3510(P) OR EEX3410(P), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(CA)], EEX4552(P) OR EEX4542(CR)
EEX4436	Microprocessors and Interfacing	MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), [EEX3533(P) OR (EEX3336(P), EEX3517(P) OR EEX3417(P)), [EEX3350(P) OR EEX3351(P), EEX4350(P) OR EEX4351(CR)] OR EEX3530(P) OR DMX3572(P) OR DMX3574(P) OR DMX3304(P)
EEX4351	Electronics II	EEX3510(P) OR EEX3410(P), EEX3350(P) OR EEX3351(CA), MHZ3531(P) OR [MHZ3551(P), MHZ3552(CA)], DMX3511(P) OR AGM3203(P)
EEY4182	Group Project (Electrical engineering)	Pass in 30 credits
MHZ4553	Engineering Mathematics III	[MHZ3531(P), MHZ3332(P)] OR [MHZ3551(CA), MHZ3552(CA)]
AGM4307	Economics and Marketing for Engineers	Pass in 18 credits in Level 3
Level 5		
EEX5352	Power Systems II	MHZ4530(P) OR MHZ4553(CA), EEX4552(P) OR EEX4532(P) OR EEX4542(CA), EEX4548(P) OR [EEX4538(P), EEX3532(P)] OR EEX4448(CA), Pass in 36 credits at Level 3
EEX5338	High Voltage Engineering	EEX4548(P) OR EEX4448(CA) OR [EEX4538(P), EEX3532(P)], EEX4552(P) OR EEX4532(P) OR EEX4542(CA), Pass in 36 credits at Level 3
EEX5348	Electrical Machines and Drives	EEX4548(P) OR EEX4448(CA) OR [EEX4538(P), EEX3532(P)], EEX5453(CR), Pass in 36 credits at Level 3

EEX5351	Digital Electronic Systems	EEX3510(P) OR EEX3410(P), EEX3533(P) OR EEX4547(P) OR [EEX3517(P) OR EEX3417(P), EEX3336(P)], EEX4350(P) OR EEX3530(P) OR EEX4351(P), MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), EEX4536(P) OR EEX4436(CA)
EEX5453	Power Electronics	EEX4350(P) OR EEX3530(P) OR EEX4351(P), EEX3531(P) OR EEX4331(P), EEX3532(P) OR EEX4532(P) OR EEX4332(P) OR EEX4552(P) OR EEX4542(P), Pass in 36 credits at Level 3
DMX5403	Control Systems Engineering	MHZ5554(CR) OR MHZ5530(P), 30 credits pass in X category
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530 (P)]
CVM5401	Accounting for Engineers	AGM4307(CA), 30 credits pass
Level 6		
EEX6354	Comprehensive Electrical Engineering Design	EEX3532(P) OR EEX4532(P) OR EEX4332(P) OR EEX4552(P) OR EEX4542(P), EEX5453(CA), EEX5832(P) OR EEX5352(CA), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)], DMX3511(P) OR AGM3203(P), DMX3535(P) OR DMX3401(P)
EEX6182	Research Methodology and Project Identification (Electrical engineering)	Pass in 60 credits
EEX6441	Electromagnetism and Wave Propagation	MHZ4530(P) OR MHZ4553(P), MHZ5530(P) OR MHZ5554(CR), Pass in 50 credits at Levels 3 & 4
DMM6601	Management for Engineers	CVM5401(CA), 60 credits(P)
Level 7		
EEX7231	Advanced Circuit Design and Analysis	EEX3531(P) OR EEX4331(P), MHZ4530(P) OR MHZ4553(CA), Pass in 60 credits from Levels 3 & 4
EEX7432	Power Systems Planning, Operations and Control	EEX4552(P) OR [EEX4532(P), EEX3532(P)] OR EEX4542(P), DMX4543(P) OR DMX5403(CA), EEX5832(P) OR EEX5352(CA), Pass in 60 credits at Levels 3 & 4
EEY7882	Engineering Research Project [Electrical]	EEX6182(CA), EEX6832(P) OR EEX7432(CR), EEW4002(CA) OR EEW5002(CA) OR EEW4502(CR) OR EEW6502(CR), Pass in 105 credits including 70 credits pass in X category
Industrial Training		
EEW4301	Industrial Training I (Electronics)	EEX4350(P) OR EEX3530(P) OR EEX4351(CR), Pass in 36 credits at Level 3
And one of		
EEW4502	Industrial Training II (Electrical power)	EEW3001(P) OR EEW3590(P) OR EEW4301(CR), EEX4552(P) OR [EEX4532(P), EEX3532(P)] OR EEX4542(CA), EEX4548(P) OR [EEX4538(P), EEX3532(P)] OR EEX4448(CA), Pass in 45 credits
EEW6502	Industrial Training II (Electrical Power - undergraduate)	EEW3001(P) OR EEW3590(P) OR EEW4301(CR), EEX4552(P) OR [EEX4532(P), EEX3532(P)] OR EEX4542(P), EEX4548(CA) OR [EEX4538(P), EEX3532(P)] OR EEX4448(CA), EEX5832(P) OR EEX5352(CA), Pass in 60 credits

Elective Courses

Course		Prerequisites
EEX3262	Introduction to Object Oriented Programming	EEX3533(P) OR EEX3517(P) OR EEX3417(CR)
EEX3266	Information Systems and Data Management	None

EEX3269	Mobile Application Development for Android	None
EEX5434	Data Communications and Networking	EEX3533(P) OR EEX3336(P), EEX3510(P) OR EEX3410(P), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)], DMX3511(P) OR AGM3203(P)
EEX5346	Embedded Systems	EEX4547(P) OR EEX3517(P) OR EEX3417(P), EEX3533(P) OR EEX3336(P), [EEX3350(P) OR EEX3351(P), EEX4350(P) OR EEX4351(CA)] OR EEX3530(P), EEX4536(P) OR EEX4436(CA), EEX5535(P) OR EEX5335(CR) OR EEX5564(CR) OR EEX5536(CR), MHJ5533(P) OR MHJ5342(CR)
EEX5360	Signals and Systems	EEX3533(P) OR EEX3336(P), MHZ4530(P) OR MHZ4553(CR), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)]
*EEX5280	Creative Design	45 credits pass
EEX5564	Computer Architecture and Operating Systems	EEX3533(P) OR EEX3336(P), EEX4536(P) OR EEX4436(CA), 36 credits pass at Level 3
EEX6450	Analog Electronic Systems and Instrumentation	EEX3530(P) OR EEX4350(P) OR EEX4351(P), EEX3531(P) OR EEX4331(P), DMX4543(P) OR DMX5403(CA), Pass in 50 credits at Levels 3 & 4
EEX6253	Physical and Optoelectronics	EEX3530 (P) OR EEX4350(P) OR EEX4351(P), MHZ4530(P) OR MHZ4553(P), Pass in 50 credits at Levels 3 & 4
TAX6556	Ergonomics	Pass in 45 credits at level 4 or above
EEX7241	Neural Network & Fuzzy Logic Applications	EEX3533(P) OR EEX3517(P) OR EEX3417(P), Pass in 65 credits
*EEX7342	Advanced Control Engineering	DMX4543(P) OR DMX5403(P), MHZ5330(P) OR MHZ5554(P), Pass in 80 credits
*EEX7353	Power Electronic Applications and Drives	EEX5453(CA), EEX6354(P), EEX5832(P) OR EEX5352(CA), MHZ4530(P) OR MHZ4553(P), Pass in 60 credits at levels 3 and 4
EEX7171	Emerging Technologies	Pass in 60 credits
DMX7305	Renewable Sources of Energy	[MHZ4553(P) OR DMX4530(P)], [[DMX4202(P) OR DMX5531(P)], [DMX4203(P) OR DMX6578(P) OR DMX5530(P)]] OR [[DMX3401(P) OR DMX3535(P)], [EEX4542(P) OR EEX4532(P)]]
DMX7301	Thermal Power Generation	[[DMX4202(P), DMX5205(CA)] OR DMX5531(P)] OR [[DMX3401(P) OR DMX3535(P)], [EEX5348(CA) OR EEX5548(CA)]]

* Not offered in 2023/2024

Curriculum for Electronic and Communication Engineering

Compulsory Courses

Course		Prerequisites
Level 3		
EEX3331	Electrical measurements and instrumentation	EEX3510(P) OR EEX3410(CR)
EEX3336	Communications and Computer Technology	DMX3511(P) OR AGM3203(CR), EEX3510(P) OR EEX3410(CR), EEX4547(P) OR EEX3517(P) OR EEX3417(CR), EEX3530(P) OR EEX3350(P) OR EEX3351(CR))
EEX3351	Electronics I	EEX3510(P) OR EEX3410(CR)
EEX3410	Introduction to Electrical Engineering	MHZ3531(P) OR MHZ3552(CR)
EEX3417	Software Development for Engineers	DMX3511(P) OR AGM3203(CR)
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3305	Introduction to Engineering Design Graphics	None
DMX3107	Workshop Practice	None
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
EEX3262	Introduction to Object Oriented Programming	EEX3533(P) OR EEX3517(P) OR EEX3417(CR)
Level 4		
EEX4331	Circuit Theory and Design	EEX3510(P) OR EEX3410(CA), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(CA), MHZ3552(CA)]
EEX4332	Electrical power	EEX3510(P) OR EEX3410(CA), MHZ3531(P) OR MHZ3551(CA)
EEX4330	Communications	EEX3510(P) OR EEX3410(P), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)], EEX3533(P) OR EEX3336(CA)
EEX4436	Microprocessors and Interfacing	MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), [EEX3533(P) OR (EEX3336(P), EEX3517(P) OR EEX3417(P))], [EEX3350(P) OR EEX3351(P), EEX4350(P) OR EEX4351(CR)] OR EEX3530(P) OR DMX3572(P) OR DMX3574(P) OR DMX3304(P)
EEX4351	Electronics II	EEX3510(P) OR EEX3410(CA), EEX3350(P) OR EEX3351(CA), MHZ3531(CA) OR [MHZ3551(P), MHZ3552(CA)], DMX3511(P) OR AGM3203(CA)
MHZ4553	Engineering Mathematics III	[MHZ3531(P), MHZ3332(P)] OR [MHZ3551(CA), MHZ3552(CA)]
AGM4307	Economics and Marketing for Engineers	Pass in 18 credits at Level 3
EEY4183	Group Project (Electronics and Communication)	Pass in 30 credits
EEW4403	Industrial Training I [Electronic and Communication]	DMW3001(P) OR DMX3107(P), EEX4350(P) OR EEX3530(P) OR EEX4351(CR), EEX4533(P) OR EEX4330(CR), 36 credits at Level 3 and 4
Level 5		
EEX5150	Electronic Circuit Design	EEX3531(P) OR EEX4331[P], 35 credits pass at Level 3
EEX5360	Signals and Systems	EEX3533(P) OR EEX3336(P), MHZ4530(P) OR MHZ4553(CR), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)]
EEX5434	Data Communications & Networking	EEX3533(P) OR EEX3336(P), EEX3510(P) OR EEX3410(P), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)], DMX3511(P) OR AGM3203(P)
EEX5333	Communication Theory and Systems	EEX3533(P) OR EEX3336(P), EEX4533(P) OR EEX4330(P), MHZ4553(P), 36 credits pass at Level 3
EEX5351	Digital Electronic Systems	EEX3510(P) OR EEX3410(P), EEX3533(P) OR

		EEX4547(P) OR [EEX3517(P) OR EEX3417(P), EEX3336(P)], EEX4350(P) OR EEX3530(P) OR EEX4351(P), MHZ3531(P) OR MHZ3551(P), DMX3511(P) OR AGM3203(P), EEX4536(P) OR EEX4436(CA)
DMX5403	Control Systems Engineering	MHZ5554 (CR) OR MHZ5530(P), 30 credits pass in X category
EEX5564	Computer Architecture and Operating Systems	EEX3533(P) OR EEX3336(P), EEX4536(P) OR EEX4436(CA), 36 credits pass at Level 3
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530 (P)]
CVM5401	Accounting for Engineers	AGM4307(CA), 30 Credits pass
EEW5403	Industrial Training II [Electronic and Communication]	DMW3001(P) OR DMX3107(P), EEX4350(P) OR EEX3530(P) OR EEX4351(P), EEX4533(P) OR EEX4330(P), Pass in 45 credits
Level 6		
EEX6339	Wireless Communications	MHZ4530(P) OR MHZ4553(P), EEX5533(P) OR EEX5333(CA), Pass in 50 credits at Levels 3 & 4
EEX6253	Physical and Optoelectronics	EEX3530 (P) OR EEX4350(P) OR EEX4351(P), MHZ4530(P) OR MHZ4553(P), Pass in 50 credits at Levels 3 & 4
EEX6450	Analog Electronic Systems and Instrumentation	EEX3530(P) OR EEX4350(P) OR EEX4351(P), EEX3531(P) OR EEX4331(P), DMX4543(P) OR DMX5403(CA), Pass in 50 credits at Levels 3 & 4
EEX6441	Electromagnetism and Wave Propagation	MHZ4530(P) OR MHZ4553(P), MHZ5530(P) OR MHZ5554(CR), Pass in 50 credits at Levels 3 & 4
DMM6601	Management for Engineers	CVM5401(CA), 60 credits(P)
EEX6183	Research methodology and project identification (Electronics and Communication)	Pass in 60 credits
Level 7		
EEX7355	Comprehensive Electronics Design	EEX3530(P) OR EEX4350(P) OR EEX4351(P), EEX5533(P) OR EEX5333(CR), EEX5150(CA), EEX6351(P) OR EEX5351(CR), EEX6550(P) OR EEX6450(CR), [MHZ3531(P), MHZ3332(P)] OR [MHZ3551(P), MHZ3552(P)], DMX3511(P) OR AGM3203(P)
EEX7333	Microwave Devices and Antennas	MHZ4530(P) OR MHZ4553(P), EEX6541(P) OR EEX6441(P), Pass in 80 credits
EEY7883	Engineering Research Project (Electronics and Communication)	EEX5533(P) OR EEX5333(P), EEX6351(P) OR EEX5351(P), EEX5150(P), EEX6183(CA), Pass in 90 credits including 60 credits pass in X category

Elective Courses

Course		Prerequisites
EEX3266	Information Systems and Data Management	None
EEX3269	Mobile Application Development for Android	None
EEX4434	Electrical Installations	EEX3510(P) OR EEX3410(P), DMX3511(P) OR DMX3305(P), EEX3532(P) OR EEX4532(P) OR EEX4332(CR) OR EEX4552(P) OR EEX4542(CR)
*EEX5280	Creative Design	45 credits pass
EEX5346	Embedded Systems	EEX4547(P) OR EEX3517(P) OR EEX3417(P), EEX3533(P) OR EEX3336(P), [EEX3350(P) OR EEX3351(P), EEX4350(P) OR EEX4351(CA)] OR EEX3530(P), EEX4536(P) OR EEX4436(CA), EEX5535(P) OR EEX5335(CR) OR EEX5564(CR) OR EEX5536(CR), MHJ5533(P) OR MHJ5342(CR)
EEX5453	Power Electronics	EEX4350(P) OR EEX3530(P) OR EEX4351(CA), EEX3531(P) OR EEX4331(CA), EEX3532(P) OR EEX4532(P) OR EEX4332(P) OR EEX4552(P) OR

		EEX4542(CA), Pass in 36 credits at Level 3
EEX7434	Digital Signal Processing	EEX5360(P), Pass in 45 credits
EEX7436	Processor Design	EEX6351(P) OR EEX6830(P) OR EEX5351(CA), EEX5536(CA), EEX3533(P) OR EEX4547(P) OR [EEX3517(P) OR EEX3417(P), EEX3336(P)], DMX3511(P) OR AGM3203(P), MHZ3550(P) OR MHZ3551(P), EEX4536(P) OR EEX4436(P)
*EEX7339	Information Theory and Coding	MHZ4530(P) OR MHZ4553(P), EEX5533(P) OR EEX5333(P), Pass in 80 credits
*EEX7343	Optical Communications	EEX5543(P) OR EEX6253(CA), EEX5533(P) OR EEX5333(P), Pass in 80 credits
*EEX7342	Advanced Control Engineering	DMX4543(P) OR DMX5403(P), MHZ5530(P) OR MHZ5554(P), Pass in 80 credits
*EEX7353	Power Electronic Applications and Drives	Pass in 60 credits at level 3 and 4, MHZ4530(P) OR MHZ4553(P), EEX5453(CA), EEX6354(P), EEX5832(P) OR EEX5352(CA),
DMX7304	Factory Automation	[[DMX4409(P) OR DMX4571(P)], [DMX5403(P) OR DMX4543(P)], OR EEX4536 (P) OR EEX4436 (P)
EEX7171	Emerging Technologies	Pass in 60 credits

* Not offered in 2023/2024

Curriculum for Mechanical Engineering Specialisation

Compulsory Courses

Course		Prerequisites
Level 3		
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3302	Engineering Mechanics	MHZ3551(CR), MHZ3552(CR)
DMX3203	Introduction to Engineering Materials	None
DMX3304	Applied Electronics	EEX3410(CR)
DMX3305	Introduction to Engineering Design Graphics	None
DMX3206	Introduction to Manufacturing Processes	DMX3107(CR)
DMX3107	Workshop Practice	None
EEX3410	Introduction to Electrical Engineering	MHZ3552(CR)
EEX3417	Software Development for Engineers	AGM3203(CR)
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
MHZ4553	Engineering Mathematics III	[MHZ3551(CA), MHZ3552(CA)] OR [MHZ3531(P), MHZ3332(P)]
DMX4201	Advanced Engineering Design Graphics	DMX3305(P)
DMX4202	Applied Thermodynamics I	DMX3401(CA)
DMX4203	Applied Fluid Dynamics I	DMX3401(CA)
DMX4204	Machine Dynamics	DMX3302(CA), MHZ3551(CA), MHZ3552(CA)
DMX4205	Strength of Materials I	DMX3302(CA), MHZ3551(CA), MHZ3552(CA)
DMX4306	Design of Machine Elements	DMX3302(CA), DMX3203(CA), DMX3305 (CA)
DMX4307	Electrical Machines and Drives	EEX3410 (CA), DMX3304 (CA), MHZ3551(CA), MHZ3552(CA)
DMX4208	Automobile Technology	DMX3401(CA)
DMX4212	Manufacturing Engineering	DMX3206(CA), MHZ3551(CA), MHZ3552(CA)
EEX4436	Microprocessors and Interfacing	{[EEX4351(CR),EEX3336(P), EEX3351(P)] or DMX3304(P)}, EEX3417(P), MHZ3551(P), AGM3203(P)
DMY4101	Group project (Mechanical Engineering)	AGM3203(CA), DMX3305(CA)
AGM4307	Economics and Marketing for Engineers	18 credits (P)
DMW4801	Industrial Training (Mechanical -Diploma)	38 credits at Level 3 (P), 20 credits in X category courses at Level 4 (CA)
Level 5		
DMX5201	Advanced Engineering Mechanics	DMX3302(P), DMX4205(CA), DMX4204(CA), MHZ3551(P), MHZ3552(P)
DMX5302	Strength of Materials II	DMX3302(P), DMX4205(CA), MHZ3551(P), MHZ3552(P)
DMX5403	Control Systems Engineering	MHZ5554 (CR), 30 credits in X category courses (P)
DMX5204	Materials Engineering	DMX3203 (P)
DMX5205	Applied Thermodynamics II	DMX4202(CA), MHZ4553(CA)
DMX5206	Applied Fluid dynamics II	DMX4203(CA), MHZ4553(CA)
DMX5307	Mechanical Engineering Design Project	DMX4306(CA), DMX4204(CA), DMX4205(CA), DMX5403(CR)
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530 (P)]
CVM5401	Accounting for Engineers	AGM4307(P)
Level 6		
DMX6180	Research Methodology and Project Identification (Mechanical/Mechatronics Engineering)	30 credits at Level 4 or above (P)
DMX6301	Industrial Engineering	MHZ4553 (P), 60 credits (P)
DMX6302	Energy, Environment and Sustainability	75 Credits (P)
DMM6601	Management for Engineers *	CVM5401 (CA), 60 credits (P)
DMW6801	Industrial Training (Mechanical -	DMX5201(P), DMX5302(P), DMX5403(P),

Undergraduate)		DMX5204(P), DMX5205(P), DMX5206(P), DMX5307(CA)
Level 7		
DMX7301	Thermal Power Generation	[DMX4202(P) and DMX5205(CA)] or [DMX3401(P) and EEX5348(CA)]
DMX7402	Analysis of Manufacturing Systems & Processes	DMX3206 (P), MHZ5554(CA), 60 credits (P)
DMY7880	Engineering Research Project (Mechanical Engineering)	DMX6180(CA), 50 credits in X category courses (P)

Elective Courses

Courses		Prerequisites
DMX5208	Automobile Engineering	DMX4208(P)
DMX5209	Automotive Electronics	DMX3304 (P), DMX4307(CA), DMX4208(CA), EEX4436(CA)
DMX5210	Vehicle Dynamics and Design of Automotive Components	DMX4208(P)
DMX5211	Plant Maintenance	DMX3206 (P), MHZ5554 (CR)
DMX5212	Computer Aided Design and Manufacturing	DMX4201(CA), DMX4212(CA)
DMX6303	Nano Technology	DMX3203(P), DMX3206(P), 60 Credits (P)
DMX6304	Computational Fluid Dynamics	MHZ4553(P), DMX5206(P)
DMX7303	Control of Robotics Manipulators	DMX5201(P), DMX5403(P), MHZ5554 (P)
DMX7304	Factory Automation	DMX4409(P) OR EEX4436 (P) OR DMX5403(P)
DMX7305	Renewable Sources of Energy	MHZ4553(P), {[DMX3401(P) and EEX4542(P)] or [DMX4202(P) and DMX4203(P)]}

Curriculum for Mechatronics Engineering Specialisation

Compulsory Courses

Course		Prerequisites
Level 3		
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3302	Engineering Mechanics	MHZ3551(CR), MHZ3552(CR)
DMX3203	Introduction to Engineering Materials	None
DMX3304	Applied Electronics	EEX3410(CR)
DMX3305	Introduction to Engineering Design Graphics	None
DMX3206	Introduction to Manufacturing Processes	DMX3107(CR)
DMX3107	Workshop Practice	None
EEX3410	Introduction to Electrical Engineering	MHZ3552(CR)
EEX3417	Software Development for Engineers	AGM3203(CR)
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
DMX4409	Sensors	EEX3410(CA), DMX3304(CA), MHZ3551(CA), MHZ3552(CA)
DMX4410	Electrical & Pneumatic Machines	EEX3410(CA), DMX3304(CA), MHZ3551(CA), MHZ3552(CA)
DMX4204	Machine Dynamics	DMX3302(CA), MHZ3551(CA), MHZ3552(CA)
DMX4205	Strength of Materials I	DMX3302(CA), MHZ3551(CA), MHZ3552(CA)
DMX4306	Design of Machine Elements	DMX3302(CA), DMX3203(CA), DMX3305(CA)
DMX4411	Signal Processing	DMX3304(CA), MHZ3551(CA), MHZ3552(CA)
EEX4436	Microprocessors and Interfacing	{[EEX4351(CR), EEX3336(P), EEX3351(P)] or DMX3304(P)}, EEX3417(P), MHZ3551(P), AGM3203(P)
DMY4102	Group project (Mechatronics Engineering)	AGM3203(CA), DMX3305(CA)
MHZ4553	Engineering Mathematics III	[MHZ3551(CA), MHZ3552(CA)] OR [MHZ3531(P), MHZ3332(P)]
AGM4307	Economics and Marketing for Engineers	18 credits (P)
DMW4802	Industrial Training (Mechatronics - Diploma)	38 credits at Level 3 (P), 20 credits in X category courses at Level 4 (CA)
Level 5		
DMX5201	Advanced Engineering Mechanics	DMX3302(P), DMX4205(CA), DMX4204(CA), MHZ3551(P), MHZ3552(P)
DMX5403	Control Systems Engineering	MHZ5554(CR), 30 credits in X category courses (P)
DMX5313	Power Electronics and Motor Drives	DMX3304(P), DMX4410(CA)
DMX5314	Machine Vision	MHZ4553(CA), DMX4409(CA)
DMX5315	Artificial Intelligence	DMX5403(CR), MHZ5554(CR)
DMX5316	Mechatronics Product Design	DMX3304(P), DMX4409(CA), DMX4410(CA)
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530 (P)]
CVM5401	Accounting for Engineers	AGM4307(P)
Level 6		
DMX6180	Research Methodology and Project Identification (Mechanical/Mechatronics Engineering)	30 credits at Level 4 or above (P)
DMX6305	Modern Control Systems	DMX5403(CA), MHZ5554(CA)
DMX6306	Micro and Nano Electro Mechanical Systems	DMX3206(P), [DMX4307(P)] or DMX4410(P)] and MHZ4553(P)
DMM6601	Management for Engineers	CVM5401(CA), 60 credits(P)
DMW6802	Industrial Training (Mechatronics - Undergraduate)	DMX5201(P), DMX5403(P), DMX5313(P), DMX5314(CA), DMX5315(CA), DMX5316(CA)

Level 7		
DMX7303	Control of Robotics Manipulators	DMX5201(P), DMX5403(P), MHZ5554(P)
DMX7304	Factory Automation	DMX4409(P) OR EEX4436 (P) OR DMX5403(P)
DMX7306	Intelligent Control Systems	DMX6305(CR), DMX5315(CA), DMX5403(P)
DMY7881	Engineering Research Project (Mechatronics Engineering)	DMX6180(CA), 50 credits in X category courses (P)

Elective Courses

Course		Prerequisites
DMX5204	Materials Engineering	DMX3203(P)
DMX5211	Plant Maintenance	DMX3206(P), MHZ5554 (CR)
DMX5212	Computer Aided Design and Manufacturing	DMX4201(CA), DMX4212(CA)
DMX6303	Nano Technology	DMX3203(P), DMX3206(P), 60 Credits (P)
DMX6304	Computational Fluid Dynamics	MHZ4553(P), DMX5206(P)
DMX7301	Thermal Power Generation	[DMX4202(P) and DMX5205(CA)] or [DMX3401(P) and EEX5348(CA)]
DMX7305	Renewable Sources of Energy	MHZ4553 (P), {[DMX3401 (P) and EEX4542 (P)] or [DMX4202 (P) and DMX4203 (P)]}
DMX7402	Analysis of Manufacturing Systems & Processes	DMX3206 (P), MHZ5554(CA), 60 credits (P)

Curriculum for Textile and Clothing Engineering Specialisation

Compulsory Courses

Courses		Prerequisites
Level 3		
TAX3331	Garment Analysis and Sewing Machinery	None
TAX3458	Fibre Science and Technology	None
TAX3459	Yarn Manufacture I	None
EEX3410	Introduction to Electrical Engineering	MHZ3552(CR) or MHZ3532(P)
EEX3417	Software Development for Engineers	AGM3203(CR) or DMX3511(P)
DMX3401	Fluid Mechanics and Thermodynamics	None
DMX3305	Introduction to Engineering Design Graphics	None
DMX3107	Workshop Practice	None
MHZ3551	Engineering Mathematics I	None
MHZ3552	Engineering Mathematics II	None
AGM3203	Communication Skills	None
Level 4		
TAX4539	Quality Assurance for Textile & Clothing	15 credits(P)
TAX4540	Garment Manufacture	TAX3331(CA) or TAX3539(P), 15 credits (P)
TAX4560	Woven Fabric Technology	15 credits(P)
TAX4361	Knitting Technology	15 credits(P)
TAY4181	Group Project (Textile & Clothing Engineering)	15 credits(P)
MHZ4553	Engineering Mathematics III	[MHZ3551(CA), MHZ3552(CA)] OR [MHZ3531(P), MHZ3332(P)]
AGM4307	Economics and Marketing for Engineers	18 credits(P)
Level 5		
DMX5403	Control Systems Engineering	MHZ5554(CR) or MHZ5530(P), 30 credits(P) in X category courses
TAX5551	Textile Colouration	45 credits(P)
TAX5547	Plant Utilities	45 credits(P)
TAX5648	Fabric Structure and Analysis	45 credits(P)
TAX5349	Nonwoven Textiles	[TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)], 45 credits(P)
MHZ5554	Engineering Mathematics IV	{[MHZ3551(P), MHZ3552(P)] OR [MHZ3531(P), MHZ3332(P)]}, [MHZ4553(CA) OR MHZ4530 (P)]
CVM5401	Accounting for Engineers	AGM4307(P)
Level 6		
TAX6180	Research Methodology and Project Identification (Textile and Clothing Engineering)	45 credits(P) at level 4 and above
TAX6556	Ergonomics	45 credits(P) at level 4 and above
DMM6601	Management for Engineers	CVM5401(CA), 60 credits(P)
Level 7		
TAX7368	Specialty Fabrics	TAX4361(P) or TAX5562(P), TAX4560(P), 45 credits(P) at level 4 and above
TAX7464	Yarn & Fabric Mechanics	TAX4560(P), [(MHZ3551(P), MHZ3552(P)) or (MHZ3531(P), MHZ(3532(P))], 45 credits(P) at level 4 and above
TAX7369	Engineering Aspects of Weaving	TAX4560(P), 45 credits(P) at level 4 and above
TAY7880	Engineering Research Project (Textile & Clothing Engineering)	TAX6180(CA), 45 credits(P) at level 4 and above
TAY7381	Comprehensive Design Project (Group project- Textile & Clothing Engineering)	TAX6180(CA), 45 credits(P) at level 4 and above
Industrial Training (Select any 2 out of 5 training courses)		
TAW4401	Industrial Training I (Apparel)	TAX3331(P) or TAX3539(P), TAX4438(CR) or TAI3541(P), 15 credits(P)

TAW5403	Industrial Training II (Yarn Manufacture)	TAX3459(P) or TAX3532(P), 15 credits(P)
TAW5404	Industrial Training II (Weaving)	TAX4560(P), 15 credits(P)
TAW5405	Industrial Training II (Chemical Processing)	TAX5551(CR) or TAX4532(P) or TAX4571(P) or TAX4534(P), 15 credits(P)
TAW5406	Industrial Training II (Knitting)	TAX4361(P) or TAX5562(P) , 15 credits(P)

Elective Courses

Courses		Prerequisites
TAX4462	Pattern Development	15 credits(P)
TAX4438	Production Planning and organisation	15 credits(P)
TAJ5353	History and Traditions of Clothing	45 credits(P)
TAX6454	Technical Textiles	45 credits(P) at level 4 and above
TAX6263	Textile Product Engineering	45 credits(P) at level 4 and above
TAX6265	Advanced Weaving Preparation and Machinery	TAX4560(P), 45 credits (P) at level 4 and above
TAX6366	Yarn Manufacture II	TAX3459(P) or TAX3532(P), 45 credits(P) at level 4 and above,
TAX6367	Advanced Colouration	[TAX4571(P) or TAX4534(p) or TAX5551(CA) or TAX4532(P)], 45 credits (P) at level 4 and above,
TAX6368*	Nano Technology for Textiles	45 credits (P) at level 4 and above, [TAX5551(CA) or TAX4532(P) or TAX4571(P) or TAX4534(P)], [TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)]

*Not offered in 2023/2024

Excluded Combinations

TAX6368 and DMX6303

Exclusive Course Combinations for BTech Hons (Eng) Study Programme

EEX4332 and EEX4552	EEX4332 and EEX4548	EEX3530 and DMX3572
EEX3532 and EEX4548	EEX3350 and EEX3530	EEX3350 and DMX3572
EEX3350 and DMX3304	EEX3351 and DMX3304	EEX3351 and DMX3572
EEX4542 and DMX3572	EEX4542 and DMX3304	EEX4552 and DMX3304
EEX4547 and EEX4537	EEX4548 and EEX4538	EEX4552 and EEX3532
EEX5543 and EEX5539	EEX5547 and EEX5537	EEX5545 and EEX5540
EEX6351 and EEX6830	EEX6550 and EEX6830	EEX6543 and EEX6833
DMX6573 and EEX6542	TAX3539 and TAI3539	TAI4538 and TAX4538
TAX4531 and TAX5562	TAM4539 and DMM5836	TAM4539 and TAM5861
TAM5861 and DAM5836		

Exclusive Course Combinations for BSc Hons (Eng) Study Programme (additional list)

Courses offered by the Department of Civil Engineering

CVX3531 and CVX3441	CVX5530 and CVX5440	CVY6D95 and CVY7880
CVX3532 and CVX3340	CVX5531 and CVX4240	CVY6A96 and CVY7880
CVX3533 and CVX4342	CVX5531 and CVX4241	CVY6397 and CVX6180
CVX3534 and CVX3442	CVX5531 and CVX5241	CVY6A98 and CVY7880
CVX4530 and CVX4343	CVX5531 and CVX5242	CVW4002 and CVW4802
CVX4531 and CVX4445	CVX5532 and CVX4344	CVW5003 and CVW6803
CVX3530 and CVX4446	CVX5533 and CVX5443	
CVX4532 and CVX4446	CVX6530 and CVX6444	
CVX4533 and CVX4347	CVX6530 and CVX7241	
CVX4534 and CVX4348	CVX6831 and CVX6546	
CVX4535 and CVX4349	CVX6832 and CVX7640	
CVX4538 and CVX4350	CVX6533 and CVX6345	

Courses offered by the Department of Electrical and Computer Engineering

EEX3350 and EEX3351	EEX5547 and EEX4181	EEW5001 and EEW5501
EEX3510 and EEX3410	EEX5832 and EEX5352	EEW5003 and EEW5403
EEX3517 and EEX3417	EEX5567 and EEX5467	EEW5002 and EEW6502
EEX3533 and EEX3336	EEX6351 and EEX5351	EEX4332 and EEX4552
EEX3531 and EEX3331	EEX6534 and EEX7434	EEX4332 and EEX4548
EEX3531 and EEX4331	EEX6535 and EEX6335	EEX3530 and DMX3572
EEX3532 and EEX4332	EEX6536 and EEX7436	EEX3532 and EEX4548
EEX4350 and EEX4351	EEX6539 and EEX6339	EEX3350 and EEX3530
EEX4533 and EEX4330	EEX6540 and EEX7340	EEX3350 and DMX3572
EEX4534 and EEX4434	EEX6541 and EEX6441	EEX4547 and EEX4537
EEX4535 and EEX4435	EEX6542 and EEX7342	EEX4548 and EEX4538
EEX4536 and EEX4436	EEX6550 and EEX6450	EEX4552 and EEX3532
EEX4547 and EEX4347	EEX6543 and EEX7333	EEX5543 and EEX5539
EEX4548 and EEX4448	EEX6832 and EEX7432	EEX5547 and EEX5537
EEX4552 and EEX4542	EEY6D95 and EEY7881	EEX5545 and EEX5540
EEX4562 and EEX4362	EEY6D95 and EEY7882	EEX6351 and EEX6830
EEX5531 and EEX7231	EEY6D95 and EEY7883	EEX6550 and EEX6830
EEX5533 and EEX5333	EEY6A96 and EEY7881	EEX6543 and EEX6833
EEX5534 and EEX5434	EEY6A96 and EEY7882	DMX6573 and EEX6542
EEX5535 and EEX5335	EEY6A96 and EEY7883	
EEX5538 and EEX5338	EEW3001 and EEW4301	
EEX5543 and EEX6253	EEW3001 and EEW4403	
EEX5545 and EEX3266	EEW4001 and EEW5501	
EEX5545 and EEX4366	EEW4002 and EEW4502	
	EEW4003 and EEW5403	

Courses offered by the Department of Mathematics and Philosophy in Engineering

MHZ3531 and MHZ3551	MHZ4256 and MHZ3551
MHZ3332 and MHZ3551	MHZ4256 and MHZ3552
MHZ3531 and MHZ3552	MHZ5340 and MHZ5355
MHZ3332 and MHZ3552	MHZ5530 and MHZ5554
LLJ3360 and LLJ3245	MHJ5531 and MHJ5343
MHZ4530 and MHZ4553	MHJ5533 and MHJ5342
MHJ4331 and MHJ4241	

Courses offered by the Department of Mechanical Engineering

DMX3511 and DMX3305	DMX4576 and DMX4204	DMX6532 and DMX5210
DMX3511 and AGM3203	DMX4835 and DMX3302	DMX6534 and DMX5212
DMX3512 and DMX3401	DMX4835 and DMX4204	DMX6535 and DMX7301
DMX3533 and DMX3206	DMX4835 and DMX4205	DMX6536 and DMX7305
DMX3533 and DMX3203	DMX5531 and DMX4202	DMX6540 and DMX6301
DMX3534 and DMX4201	DMX5531 and DMX5205	DMX6578 and DMX4203
DMX3535 and DMX3401	DMX5532 and DMX5302	DMX6578 and DMX5206
DMX3572 and DMX3304	DMX5533 and DMX5201	DMY6A98 and DMY7880
DMX3574 and DMX3304	DMX5570 and DMX5313	DMY6D95 and DMY7880
DMK3370 and EEX3417	DMX5571 and DMX5314	DMY6A96 and DMY7880
DMW3001 and DMX3107	DMX5572 and DMX3203	DMY6D73 and DMY7881
DMX4342 and DMX5209	DMX5572 and DMX3206	DMY6A74 and DMY7881
DMX4530 and DMX4212	DMX5577 and DMX4306	DMW4002 and DMW4801
DMX4532 and DMX4208	DMX5577 and DMX5307	DMW5002 and DMW6801
DMX4533 and DMX3203	DMM5836 and AGM4307	DMW4003 and DMW4802
DMX4533 and DMX5204	DMM5836 and CVM5401	DMW5003 and DMW6802
DMX4543 and DMX5403	DMM5836 and DMM6601	DMX6578 and DMX4203
DMX4571 and DMX4409	DMX6570 and DMX7304	EEX3530 and DMX3304
DMX4571 and DMX4410	DMX6571 and DMX7303	EEX3351 and DMX3304
DMX4572 and DMX4204	DMX6573 and DMX5315	EEX7342 and DMX5315
DMX4573 and DMX5316	DMX6573 and DMX6306	EEX7342 and DMX6306
DMX4575 and DMX4205	DMX6573 and DMX7306	EEX7342 and DMX7306
DMX4576 and DMX3302	DMX6531 and DMX5208	

Courses offered by the Department of Textile and Apparel Technology

TAX3531 and TAX3458	TAX5560 and TAX4462	TAY6A96 and TAY7880
TAX3532 and TAX3459	TAX5562 and TAX4361	TAY6397 and TAY7880
TAX3539 and TAX3331	TAX6533 and TAX6454	TAY6A98 and TAY7880
TAI3536 and TAX5648	TAM6335 and TAX6263	TAW4001 and TAW4401
TAI3541 and TAX4438	TAX6539 and TAX6556	TAW5003 and TAW5403
TAX4533 and TAX4539	TAX6560 and TAX7369	TAW5004 and TAW5404
TAX4534 and TAX4571	TAX6560 and TAX6265	TAW5005 and TAW5405
TAX4538 and TAX4540	TAX6561 and TAX6366	TAW5006 and TAW5406
TAM4539 and TAM3234	TAX6362 and TAX6367	TAJ5342 and TAJ5353
TAM4539 and TAM3535	TAX6368 and DMX6303	
TAX5532 and TAX7464	TAX6563 and TAX7368	
TAX5534 and TAX5547	TAX6564 and TAX5349	
TAX4532 and TAX 5551	TAY6D95 and TAY7880	

Exemptions applicable for BSc Hons (Eng) Study Programme

Qualifications in English Language

Qualification	Course exempted
G C E (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)	VTL2001

Qualifications in Mathematics

Qualification	Courses		
	Level 3	Level 4	Level 5
BSc. With Mathematics at the final year BSc with Applied Mathematics and Pure Mathematics at the final year	MHZ3551 MHZ3552		
BSc Special Degree in Mathematics	MHZ3551 MHZ3552	MHZ4553	MHZ5554

Qualifications in Civil engineering and related disciplines

Qualification	Courses and Industrial Training modules			
	Level 3		Level 4	Level 5
NCIT (Civil)	CVX3441	DMX3107		
NAB (Civil)	EEX3410 DMX3305 AGM3203	DMX3401 DMX3107		
Diploma in Civil Engineering, GITI	CVX3442	CVX3340	CVX4342	
HNDE (Civil)	EEX3410 DMX3305 AGM3203 DMX3401 CVX3340	MHZ3551 MHZ3552 CVX3441 CVX3442 DMX3107	CVX4342 CVW4802	
NDET (Civil)	EEX3410 DMX3305 AGM3203 DMX3401 CVX3340	MHZ3551 MHZ3552 CVX3441 CVX3442 DMX3107	CVX4342 CVW4802	
NDT (Civil) or NDES (Civil)	EEX3410 DMX3305 AGM3203 DMX3401 CVX3340	MHZ3551 MHZ3552 CVX3441 CVX3442 DMX3107	CVX4342 CVW4802	
BSc (Civil Eng.), General Sir John Kothalawala Defence Academy	EEX3410 DMX3305 AGM3203 DMX3401 CVX3340	MHZ3551 MHZ3552 CVX3441 CVX3442 DMX3107	CVX4342 CVX4343 CVX4545 CVX4546 CVX4348	CVX5440
BSc (Surveying Science), Institute of Surveying & Mapping, Diyatalawa	MHZ3551 MHZ3552	EEX3410	CVX4342	CVX5440
BSc. Surveying Sciences, Sabaragamuwa University Sri Lanka	MHZ3551 MHZ3552	EEX3410	CVX4342	CVX5440

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 - for interim curriculum students

Qualification	Courses		
	Level 3	Level 4	Level 5/6
NCT (Electrical and Electronics)	EEX3410		
NCIT (Electrical and Electronics)	EEX3410 EEX3336 EEX3331 DMX3107	EEX4331 EEX4332	
	(EEX3351 & EEX4351) or DMX3304		
NAB Special Apprentice (AIT) - Electrical/Electronic	EEX3410 DMX3107 (EEX3351 & EEX4351) or DMX3304	EEW4401 or EEW4403	
Diploma in Electronics and Communications, Jaffna College Institute of Technology	DMX3305, AGM3203 EEX3410, EEX3336 EEX3331, (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4332	
Diploma in Computer System Design, (NIBM)	EEX3336, EEX3262, EEX3266,	EEX4347 EEX4362	
Advanced Technician Diploma in Electrical and Electronic Engineering (Level 5 IVQ)	EEX3410		
Higher Diploma in Computer based Information Systems (NIBM)	EEX3269	EEX4366 EEX4435 EEY4181	EEX5467
Higher National Diploma in IT, Advanced Technological Institute	EEX3336	EEX4435 EEX4347	
NDT (Electrical) or NDES (Power) or HNDE (Electrical Power)	EEX3410 DMX3305 AGM3203 DMX3401 EEX3331 MHZ3551 MHZ3552 DMX3107	EEX4331 EEX4332 or (EEX4532 & EEX4448) {EEW4403 or (EEW4301 and EEW4502)}	
HNDE (Electrical Power) New curriculum from 2014	EEX3410 DMX3305 AGM3203 DMX3401 EEX3417 EEX3331 MHZ3551 MHZ3552 DMX3107 EEX3336 (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4332 or (EEX4532 & EEX4448) {EEW4403 or (EEW4301 and EEW4502)} {EEY4182 or EEY4183}	
National Diploma in Technology (NDT) - Electronics and Telecommunications with Electrical Installations & Wiring Diagrams		EEX4434	
NDT++ (Electrical) (2014-2021)	EEX3410 DMX3305 AGM3203 DMX3401 EEX3331 EEX3336 MHZ3551 MHZ3552	EEX4331 EEX4332 or (EEX4532 & EEX4448) EEX4434 EEX4436 { EEW4403 or (EEW4301 and	

	DMX3107 (EEX3351 & EEX4351) or DMX3304	EEW4502}}	
NDES* (Power) (New curriculum)	EEX3410 DMX3305 AGM3203 DMX3401 EEX3331 EEX3336 MHZ3551 MHZ3552 DMX3107 EEX3417 (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4332 or (EEX4532 & EEX4448) EEX4434 EEX4436 {EEW4403 or (EEW4301 and EEW4502}} {EEY4182 or EEY4183}	
NDT (Electronic & telecom.)++ or NDES (Electronics) or NDES (Telecommunication)	EEX3331 EEX3410 DMX3305 AGM3203 DMX3401 EEX3336 MHZ3551 MHZ3552 DMX3107 (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4332 EEX4436 {(EEW4301 or EEW4403) and EEW5403}	
NDES* (Electronics) or NDES *(Telecommunication) (New curriculum)	EEX3410 EEX3417 DMX3305 AGM3203 DMX3401 EEX3331 EEX3336 MHZ3551 MHZ3552 DMX3107 (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4332 EEX4330 EEX4436 {(EEW4301 or EEW4403) and EEW5403} (EEY4183 or EEY4182)	
HNDE (Electronics) - Before 2014	EEX3410 DMX3305 AGM3203 DMX3401 EEX3336 MHZ3551 MHZ3552 DMX3107 EEX3331 (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4330 {(EEW4301 or EEW4403) and EEW5403}	
HNDE (Electronics) New curriculum from 2014	EEX3410 DMX3305 AGM3203 DMX3401 MHZ3551 MHZ3552 EEX3336 DMX3107 EEX3331 (EEX3351 & EEX4351) or DMX3304	EEX4331 EEX4332 EEX4330 {(EEW4301 or EEW4403) & EEW5403} (EEY4183 or EEY4182)	
National Diploma in Engineering Technology (NDET)- Electrical/Electronic	EEX3410 DMX3305 AGM3203 DMX3401 EEX3336		

	DMX3107 (EEX3351 & EEX4351) or DMX3304		
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*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 Engineering and related disciplines

Qualification	Courses		
	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)	DMX3107		
National Certificate for Industrial Technicians (NCIT) (Mechanical)	AGM3203 DMX3107 DMX3203	DMX3206 DMX3305 DMX3401	DMX4201
NDT (Mechanical)	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205 DMX4208 DMX4212 DMW4801 or DMW4802
NDT (Chemical)	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 EEX3410 DMX3401 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205
NDT (Marine)	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 EEX3410 DMX3401 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205
NDT (Nautical studies & technology)	AGM3203 DMX3107 DMX3302 DMX3305	DMX3401 EEX3410	DMX4204 DMX4205
NDES (Mechanical - General)	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205 DMX4212 DMW4801 or DMW4802
HNDE (Mechanical)-Production Engineering	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205 DMX4212 DMW4801 or DMW4802
HNDE (Mechanical)-Automobile Engineering	AGM3203	DMX3305	DMX4201

	DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4204 DMX4205 DMX4208 DMW4801 or DMW4802	
HNDE (Mechanical)-Refrigeration and Air conditioning	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205 DMW4801 or DMW4802	
NDES (Automobile)	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205 DMX4208 DMW4801 or DMW4802	
NDES (Marine)	AGM3203 DMX3107 DMX3203 DMX3206 DMX3302 DMX3304	DMX3305 DMX3401 EEX3410 MHZ3551 MHZ3552	DMX4201 DMX4204 DMX4205	
BSc (Defense studies) in Aeronautical Engineering	AGM3203 DMX3107 DMX3304 DMX3305	DMX3401 EEX3410 MHZ3551 MHZ3552		

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 and Clothing Engineering and related discipline

Qualification	Courses		
	Level 3 (and 4)	Level 4 (and 5)	Level 5 (and 6)
Certificate in Textile Technology (One year Fulltime), Textile Training & Services Centre, Ratmalana	TAX3458 TAX3459	TAX4560 TAX5551	
Certificate in Textile Technology (One year Fulltime) and Diploma in Technology (Extension Course), Textile Training & Services Centre, Ratmalana	TAX3458 TAX3459 TAX3331	TAX4560 TAX5551	
Certificate in Textile Dyeing and Printing (Part time) from the Textile Training and Services Centre, Ratmalana			TAX5551
Diploma in Textile and Apparel Technology (Part time) , Sri Lanka Institute of Textile and Apparel (SLITA), Rathmalana			TAX5551
Diploma in Textile and Apparel Technology (Full time), Sri Lanka Institute of Textile and Apparel (SLITA), Ratmalana	TAX3458 TAX3459 TAX3331	TAX4539 TAX4540 TAX4438 TAX4462	TAX5551 TAX5648
Diploma in Textile Technology from the Textile Training and Services Centre, Ratmalana	TAX3458 TAX3459	TAX4560	TAX5551

	TAX3331		
Diploma in Clothing Technology from the Clothing Industry Training Institute, Ratmalana	TAX3331	TAX4438 TAX4539 TAX4462 TAW4401	
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	TAX3458		TAX5551
Certificate in Garment Production Management (Part time) from Clothing Industry Training Institute, Ratmalana	TAX3331		
College Diploma in Clothing Technology and Management (Fulltime), Brandix College of Clothing Technology, Ratmalana	TAX3331	TAX4539 TAX4438 TAX4540 TAX4462 TAW4401	TAX5648
NDT (Textile) (Old Curriculum-till 2007)	DMX3305 AGM3203 DMX3401 EEX3410 MHZ3551 MHZ3552 TAX3458 TAX3459 (TAX5648 or TAX3331) DMX3107	TAX4539 TAX4560	TAX5551 Any two of TAW5403, TAW5404, TAW5405, TAW5406
NDT (Textile) (Old Curriculum-till 2007) without completion of training	DMX3305 AGM3203 DMX3401 EEX3410 MHZ3551 MHZ3552 TAX3458 TAX3459 (TAX5648 or TAX3331)	TAX4539 TAX4560	TAX5551
NDT (Clothing) (Old Curriculum-till 2007)	DMX3305 AGM3203 DMX3401 EEX3410 MHZ3551 MHZ3552 TAX3458 TAX3459 DMX3107 (TAX5648 or TAX3331)	TAX4539 TAX4540 TAX4438 TAX4462 Any two of TAW4401 TAW5403 TAW5404 TAW5405 TAW5406	TAX5551
NDT (Clothing) (Old Curriculum-till 2007) without completion of training	DMX3305 AGM3203 DMX3401 EEX3410 MHZ3551 MHZ3552 TAX3458 TAX3459 (TAX5648 or TAX3331)	TAX4539 TAX4540 TAX4462 TAX4438	TAX5551

*NDT (Textile and Clothing Technology)- From 2007 to 2021	DMX3305 AGM3203 DMX3401 EEX3410 MHZ3551 MHZ3552 TAX3458 TAX3459 TAX3331 DMX3302 DMX3107	TAX4539 TAX4540 TAX4560 DMX4204 TAX4438 TAX4462 Any two of TAW4401 TAW5403 TAW5404 TAW5405 TAW5406	TAX5648 TAX5551
*NDT(Textile and Clothing Technology) - From 2007 to 2021 without completion of training	DMX3305 AGM3203 DMX3401 EEX3410 MHZ3551 MHZ3552 TAX3458 TAX3459 TAX3331 DMX3302	DMX4204 TAX4539 TAX4540 TAX4438 TAX4560 TAX4462	TAX5648 TAX5551
NDT (Polymer Technology)	DMX3305 AGM3203 DMX3401 DMX3206 DMX3203 DMX3302 EEX3410 MHZ3551 MHZ3552 DMX3107	DMX4204 DMX4201	
Diploma in Clothing Manufacture - CITI, Ratmalana	TAX3331	TAX4539 TAX4438 TAW4401	TAW5401
Diploma in Polymer Technology - CITI, Ratmalana		TAX4539	
TAI3540- Pattern construction and TAI5538 - Advanced pattern construction, OUSL		TAX4462	

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	TAX3458		
Paper 3 in LTI /Paper 2 (b) in ATI - Yarn Technology and Yarn preparation	TAX3459		
Paper 4 in LTI /Paper 2 (c) in ATI- Fabric technology		TAX4560	TAX5648
Paper 5 in LTI /Paper 2 (d) in ATI-Dyeing and Finishing Technology			TAX5551
Paper 6 in LTI - Textile Testing		TAX4539	
Paper 11 in LTI - Garment Technology	TAX3331		

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

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

Bachelor of Industrial Studies Honours Degree Study Programme

Bachelor of Industrial Studies Honours Study Programme

The Bachelor of Industrial Studies Honours Degree Programme of the OUSL is carefully designed in accordance with the requirements of the Sri Lanka 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 successful completion of a required combination of courses and credit requirements.

Areas of Specialisations

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

Duration

The minimum duration of the Degree Programme starting from level 3 is 4 years and the maximum number of years a student can spend to complete the degree Programme is twelve years.

Medium of Instruction

The medium of instruction is English.

Eligibility for Admission to the Programme of Study

A person seeking admission to the Programme leading to the award of the Degree of Bachelor of Industrial Studies Honours in the specialisations in Apparel Production and Management, or Textile Manufacture or Fashion Design and Product Development shall be required to have,

- Obtained three passes in any stream, at the General Certificate of Education (Advanced Level) Examination, Sri Lanka, in one and the same sitting or,
- Obtained a minimum three credit (C) passes in any three subjects in Cambridge International/Edexcel Advanced Level Examination within three years or,
- Completed the Certificate in Industrial Studies in Apparel technology offered by the Open University of Sri Lanka or,
- Completed the Advanced Certificate in Industrial Studies in Apparel Technology offered by the Open University of Sri Lanka or,
- Obtained the Advanced Certificate in Apparel Technology offered by the Open University of Sri Lanka or
- Completed all courses of any foundation Programme offered by The Open University of Sri Lanka or,
- Obtained the Advanced Certificate in Science with courses from any three disciplines offered by the Open University of Sri Lanka or,
- Secured an equivalent or higher qualification acceptable to the Senate.

A person seeking admission to the Programme leading to the award of the Degree of Bachelor of Industrial Studies Honours in the specialisation in Agriculture shall be required to have,

- (1) Obtained three passes from Biology, Chemistry, Physics or Agriculture at the General Certificate in Education (Advanced Level) Examination, Sri Lanka in one and same sitting, or
- (2) Obtained a minimum three credit (C) passes for Biology, Physics and Chemistry in Cambridge International/Edexcel Advanced Level Examination within three years or,
- (3) Obtained the Advanced Certificate in Science with courses in the disciplines of Biology, Physics and Chemistry offered by the Open University of Sri Lanka or,
- (4) Obtained an equivalent or higher qualification acceptable to the Senate.

In order for a student to qualify for the award of the Degree of Bachelor of Industrial Studies Honours, the student has to meet the following requirements.

1. Successful completion of all compulsory courses for the selected specialisation
2. Fulfil the level-wise and category-wise course credits as given in Table 3

Requirements for the Award of the Higher Diploma

In order for a student to qualify for the award of the Higher Diploma in Industrial Studies, he/she has to meet the following requirements within a maximum of 12 academic years.

- (a) Obtain passes for all compulsory courses of levels 3 and 4 for the specialisation, including the Industrial Training and
- (b) Fulfil Level-wise and Category-wise Credit requirements for the Higher Diploma as given Table 4

Grade Point Average (GPA)

The GPA is computed by considering the courses at levels 4, 5 and 6 totalling to 74 credits for RC. In selecting the courses for the computation of GPA, the following sequence will be followed.

- (a) Compulsory courses at levels 5 and above
- (b) Non-compulsory courses at levels 5, and above
- (c) Compulsory courses at level 4

The Grade Point Average (GPA) is computed using;

for the Revised Curriculum.

The Grade Point Average (GPA) is computed as Follows:

$$\text{GPA} = \{\sum (\text{Credit Rating of the Course}) * (\text{GPV}) + (\text{Part Credit of the Course}) * (\text{GPV})\} / 74$$

Table 3 - Category-wise and level-wise minimum credits requirements for the Award of Bachelor of Industrial Studies Honours Degree from the academic year 2022/23 (Applicable for Revised Curriculum)

Category	Minimum Credits	Maximum Credits
Engineering (X)	74	88
Industrial (I)	Subject to a minimum of 30 at Level 5 and above of which at least 12 at level 6	Subject to a minimum of 30 at Level 5 and above of which at least 12 at level 6
Projects (Y)	8 Minimum of 8 credits at level 6	11 Minimum of 8 credits at level 6
Mathematics (Z)	6	6
Mathematics (Z)	8	10
General /Humanities (J)	5	6
Management (M)	10	15
Industrial Training (W)	8	8
Computer literacy (K)	2	2
Total	130 Subject to a minimum of 60 at Level 5 or above, of which at least 30 at Level 6	

Table 4 - Category-wise and level-wise minimum credits requirements for the Award of the Higher Diploma in Industrial Studies in an approved discipline from the academic year 2022/23 (Applicable for Revised Curriculum)

Category	Minimum Credits	Maximum Credits
Engineering (X)	42	46
Industrial (I)	Subject to a minimum of 15 at Level 4 and above	Subject to a minimum of 15 at Level 4 and above
Mathematics (Z)	5	9
General (J)	0	4
Management (M)	7	11
Industrial Training (W)	8	8
Computer literacy (K)	2	2
Total	68 Subject to a minimum of 30 at Level 4	

Limits for Exemptions

Notwithstanding any exemptions granted for prior qualifications, a student shall acquire, by successful completion in accordance with the Scheme of Assessment, a minimum number of credits as shown below for the awards.

Table 5 - Minimum number of credits to be obtained by following courses despite exemptions

Credit Description	Revised Curriculum
For Degree	
Level 6 (considering all Categories)	15
Level 6 (considering X, I and Y categories)	10
Levels 5 and 6 (considering all Categories)	30
Levels 5 and 6 (considering X, I and Y Categories)	19
Total (considering all Categories and all levels from 3 to 6)	65

Table 5 (cont...)

Credit Description	Revised Curriculum
For Higher Diploma	
Level 4 (considering all Categories)	15
Level 4 and above (considering X and I Categories)	08
Total (considering all Categories and all levels from 3 to 6)	34

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

Curricula for Different Specialisations

The following pages give the courses for different specialisations for meeting the award requirements under RC.

Important Notes

1. Maximum number of credits per academic year and General pre-requisites

Maximum number of credits a student can register at the Open University of Sri Lanka per academic year 38.

2. General (J) and Management (M) category courses

The courses listed under specialisations may not include General (J) and Management (M) category courses unless such courses are compulsory. These have to be selected from the Table below to meet the minimum credit requirements in those course categories.

All the courses of IC have now been discontinued. Therefore, the student needs to register for the alternative courses given in the second column of the Table below.

Course (IC)	Alternative Course (RC)	Prerequisite
LLJ3360 Introduction to laws of Sri Lanka	LLJ3245 Introduction to laws of Sri Lanka	None
None	MHJ4241 History of Technology*	Pass in 20 credits
MHJ5531 The nature of science	MHJ5343 Nature of Science	Pass in 45 credits
MHJ5533 Technology, society, and environment	MHJ5342 Technology, Society and Environment	Pass in 45 credits

3. Non-compulsory (Elective) Courses

The students enrolled until the academic year 2017/18 had the provision to register for courses from the "Complete List of Courses" of the Faculty to fulfil the *slack* of a given specialisation. In the RC, recommended elective courses are provided from which the student has to choose courses for the *slack*.

The students who have already completed courses (CA or P) outside the list of recommended courses can count the credits for such courses despite receiving the awards under IC or RC. Now the students are allowed to register only for the courses selected from the recommended elective courses. However, those courses that have been already completed may be considered towards the credit requirements.

4. Industrial Training Modules

Students can register for Industrial Training Modules of the RC in the academic year 2023/24.

5. Fulfilment of Course Category Credits and Compulsory Courses under RC

The students who aspire to receive awards under the RC need to register for the following courses, except under the conditions mentioned in the remark's column of the following Table, to meet course category credit requirements and compulsory course requirements for awards under RC.

Course (RC)	Prerequisites	Remarks
TAK3237 Introduction to Computer Applications	None	None

Curriculum for Agriculture Specialisation

Compulsory Courses

Courses		Pre-requisites
Level 3		
AGI3450	Land and Soil Tillage Management	None
AGI3551	Agricultural Biology	None
AGI3552	Crop Production and Technology	None
AGI3553	Plant Protection	None
AGM3203	Communication Skills	None
AGM3354	Principles of Economics	None
MHZ3458	Mathematics for Agriculture	None
TAK3237	Introduction to Computer Applications	None
Level 4		
AGI4555	Irrigation and Drainage Engineering	AGX4356 (CR) or AGX4540 [CR]
AGI4559	Food and Nutrition	None
AGI4460	Animal Husbandry & Production	None
AGI4561	Postharvest Biology and Technology	AGI3551(P) or AGI3554 (P)
AGI4362	Environmental Agriculture	AGI3551(P), AGX4356(CR) or AGI3554 (P), AGX4540 [CR]
AGX4356	Soil Science	None
AGM4363	Agricultural Marketing	None
MHZ4357	Applied Statistics	Pass in 15 credits in level 3, MHZ3458(CA) or AGZ3538 [CA]
Level 5		
AGI5364	Farm Power and Machinery	AGI3450 (P) or AGI3535 [P]
AGI5166	Research Methodology	MHZ3458(P) or AGZ3538 [P], MHZ4357(CA) or ADU3318 [CA], AGZ5367(CR) or ADU4519 [CR], Pass in 50 credits
AGX5565	Soil Plant and Water Relationship	AGX4356(P) or AGX4540 [P]
AGZ5367	Experimental Design	MHZ3458(P) or AGZ3538 [P] and MHZ4357(CA) or ADU3318 [CA]
AGJ5368	Indigenous Knowledge of Herbal Products	Pass in 45 credits
Level 6		
AGI6478	Hydrology and Water Resources	AG14555(P), AGX5565(CR) or AGX4537 [P], AGX5532 [CR]
AGM6379	Agricultural Extension	Pass in 45 credits
AGJ6381	Rural Sociology	Pass in 45 credits
AGY6880	Individual Project (Agriculture)	MHZ3458(P) or AGZ3538 [P], MHZ4357(P) or ADU3318 [P], AGZ5367(CR) or ADU4319 [CR], AGI5166 (CA) or ADU4319 [CA], Pass in 30 credits at level 5 or above.
Industrial Training		
AGW4401	Industrial Training I (Agriculture)	AGI3551(P) or AGI3534 [P], AGI3552(P) or AGX4539 [P], Pass in 15 credits at level 3 or above
AGW5401	Industrial Training II (Agriculture)	AGW4401 (P) or AGW4002, Pass in 15 credits at level 4 or above

Elective Courses

Courses	Prerequisites
AGI5569 Molecular Biology and Biotechnology	AGI3551(P) or AGI3554 [P]
AGI5470 Food Microbiology	AGI4559(P) or AGX4531[P]
AGI5471 Animal Biology	None
AGI5572 Fisheries and Aquaculture	None
AGI5373 Agro-Forestry	AGI3551(P), AGX4356(P) or AGI3554 [P], AGX4540 [P]
AGI5274 Fruit Crops and Cut Flower Production	AGI3553(P), AGI3551(P) or AGX4530[P], AGI3554 [P]
AGX5415 Horticulture and Landscape Technology	AGI3553(P) or AGX4530[P]
AGX5376 Crop Processing	AGI3552(P), AGI4561(P) or AGX4539 [P], AGI3536 [P]
AGX5277 Food Safety and Quality Management Systems	AGI4559(P), AGI4561(P) or AGX4531 [P], AGI3536 [P]
AGM5475 Economics and Management	AGM3354(P), MHZ3458(P)
AGI6582 Food Processing	AGI4559(P) or AGX4531 [P],
AGI6585 Applications in Biotechnology	AGI5569(P) or AGI5541 [P]
AGI6486 Field and Laboratory Techniques in Plant Protection	AGI3553(P) or AGX4530 [P]
AGX6283 Ground Water and Resource Management	AGX5565(CA), AGX4356(P) or AGX5532 [CA], AGX4540 [P]
AGX6284 Impacts of Climate Change on Water Resources	AGX5565(CR) and AGX6283 (CR) or AGX5532 [CA]and AGI6232 [CR]
AGX6387 Plantation Crop Technology	AGI3552(P) or AGX4539 [P]
AGX6490 Soil and Water Conservation	AGX4356(P), AGX5565(CR) or AGX4540 [P], AGX5532 [CR]
AGX6377* Precision Agriculture	68 Credits (P)

* Not offered in 2023/2024

Curriculum for Apparel Production & Management Specialisation

Compulsory Courses

Course		Prerequisites
Level 3		
TAX3530	Fibre to Fabric	None
TAX3331	Garment Analysis and Sewing Machinery	None
TAI3332	Garment Accessories	None
TAI3533	Pattern Construction	None
TAM3234	Basics of Human Resource Management	None
TAM3535	Management Studies	None
MHZ3576	Statistics for Industrial Studies	None
TAK3237	Introduction to Computer Applications	None
Level 4		
TAX4438	Production Planning and Organization	15 credits(P)
TAX4539	Quality Assurance for Textile and Clothing	15 credits(P)
TAX4540	Garment Manufacture	15 credits(P), TAX3331(CA) or TAX3539(P)
TAX4441	Knitted Garment Technology	15 credits(P)
TAI4442	Advanced Pattern Construction	15 credits(P), TAI3533(P) or TAI3540(P)
TAI4243	Foundation Garments	15 credits(P), TAX3530(CA) or TAX3537(P), TAI3533(CA) or TAI3540(P), TAX4540(CR) or TAX4538(P)
TAI4344	Industrial Garment Washing and Finishing	15 credits(P)
TAM4445	Apparel Merchandising	15 credits(P)
TAW4401	Industrial Training I (Apparel)	TAX3331(P) or TAX3539(P), TAX4438(CR) or TAI3541(P), 15 credits(P)
Level 5		
TAI5246	Current Topics in Textile and Clothing	45 credits(P)
TAX5547	Plant Utilities	45 credits(P)
TAX5648	Fabric Structure and Analysis	45 credits(P)
TAX5349	Nonwoven Textiles	45 credits(P), [TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)]
MHZ5570	Quantitative Techniques	45 credits(P), MHZ3576(P) or TAZ4541(P) or TAZ3536(P)
TAW5401	Industrial Training II (Apparel)	TAW4401(CR) or TAW4001(CA), TAX4540(CA) or TAX4538(P), 15 credits(P) at level 4 and above
Level 6		
TAX6455	Fabric Technology	45 credits(P) at level 4 and above
TAX6556	Ergonomics	45 credits(P) at level 4 and above
TAX6454	Technical Textiles	45 credits(P) at level 4 and above
TAX6263	Textile Product Engineering	45 credits(P) in level 4 and above
TAM6457	Fashion Marketing	45 credits(P) at level 4 and above
TAY6882	Research Project (Apparel Production)	45 credits(P) at level 4 and above, TAI5246(CA) or TAI5339(P)

Elective Courses

Courses		Prerequisites
LLJ3245	Introduction to Laws of Sri Lanka	None
MHJ4241	History of Technology	20 credits(P)
TAX5551	Textile Colouration	45 credits(P)
TAI5552	Principles of Fashion Design	45 credits(P)
MHJ5343	Nature of Science	45 credits(P)
MHJ5342	Technology, Society and Environment	45 credits(P)
TAJ5353	History and Traditions of Clothing	45 credits(P)
TAX6367	Advanced Colouration	45 credits(P) at level 4 and above, [TAX4571(P) or TAX4534(P) or TAX5551(CA) or TAX4532(P)]
TAX6368*	Nano Technology for Textiles	45 credits(P) at level 4 and above, [TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)], [TAX5551(CA) or TAX4532(P) or TAX4571(P) or TAX4534(P)]

*Not offered in 2023/2024

Excluded Combinations

TAX3458 and TAX3530	TAI4371 and TAI5552
TAX3370 and TAX5551	TAI4472 and TAI5552
TAX4571 and TAX5551	MHZ3576 and TAZ3536
MHZ5570 and TAZ5550	

Curriculum for Fashion Design and Product Development Specialisation

Compulsory Courses

Courses	Prerequisites
Level 3	
TAX3530 Fibre to Fabric	None
TAX3331 Garment Analysis and Sewing Machinery	None
TAI3332 Garment Accessories	None
TAI3533 Pattern Construction	None
TAM3234 Basics of Human Resource Management	None
TAM3535 Management Studies	None
MHZ3576 Statistics for Industrial Studies	None
TAI3270 Fashion Illustration I	None
TAK3237 Introduction to Computer Applications	None
Level 4	
TAX4539 Quality Assurance for Textile and Clothing	15 credits(P)
TAX4540 Garment Manufacture	15 credits(P), TAX3331(CA) or TAX3539(P)
TAI4371 Concepts of Fashion	15 credits(P)
TAI4472 Concepts of Fashion Designing	15 credits(P)
TAI4373 Fashion Illustration II	15 credits(P), TAI3270(CA) or TAJ3346(P)
TAI4474 Process of Fashion Designing	15 credits(P), TAI4472(CR) or TAI3543(P)
TAI4442 Advanced Pattern Construction	15 credits(P), TAI3533(P) or TAI3540(P)
TAI4243 Foundation Garments	15 credits(P), TAX3530(CA) or TAX3537(P), TAI3533(CA) or TAI3540(P), TAX4540(CR) or TAX4538(P)
TAW4402 Industrial Training I (Fashion)	TAI4371(CR) or TAI3342(P), TAI4472(CR) or TAI3543(P), TAX3331(P) or TAX3539(P), Pass in 15 credits
Level 5	
TAI5375 Design Through Draping	45 credits(P), TAI3533(P) or TAI3540(P)
TAI5478 Fashion Design Development	45 credits(P), TAI4373(P) or TAJ4547(P)
TAI5579 Theoretical aspects of visual presentation and exhibition design	45 credits(P), TAI5478(CR) or TAI5563(P)
MHZ5570 Quantitative Techniques	45 credits(P), MHZ3576 (P) or TAZ4541(P) or TAZ3536(P)
TAY5384 Inspiration of Fashion Designing	45 credits(P), TAI4373(CA) or TAJ4547(P), TAI4474(CA) or TAI4545(P)
TAW5402 Industrial Training II (Fashion Design & Product Development)	TAW4402(CR) or TAW4002(CA), TAX4540(CA) or TAX4538(P), TAI4474(CA) or TAI4545(P), 15 credits(P) at level 4 or above
Level 6	
TAM6457 Fashion Marketing	45 credits(P) at level 4 and above
TAX6556 Ergonomics	45 credits(P) at level 4 and above
TAY6885 Creating and exhibiting fashion products	TAY5384(P) or TAY6390(P), TAI5579(CA) or TAI6869(P), 45 credits(P) at level 4 and 5
TAI6580 Fashion Show Production	45 credits(P) at level 4 and above, TAI4474(P) or TAI4545(P)

Elective Courses

Courses		Prerequisites
LLJ3245	Introduction to Laws of Sri Lanka	None
MHJ4241	History of Technology	20 credits(P)
TAX5551	Textile Colouration	45 credits(P)
TAI5376	Computer Aided Pattern Drafting	45 credits(P), TAI3533(P) or TAI3540(P)
TAI5277	Computer Aided Fashion Illustration	45 credits(P), TAI4472(CA) or TAI3543(P), TAI4373(CA) or TAJ4547(P)
MHJ5343	Nature of Science	45 credits(P)
MHJ5342	Technology, Society and Environment	45 credits(P)
TAJ5353	History and Traditions of Clothing	45 credits(P)
TAX6455	Fabric Technology	45 credits(P) at level 4 and above
TAX6454	Technical Textiles	45 credits(P) at level 4 and above
TAX6263	Textile Product Engineering	45 credits(P) at level 4 and above
TAX6367	Advanced Colouration	45 credits(P) at level 4 and above, [TAX4571(P) or TAX4534(P) or TAX5551(CA) or TAX4532(P)]
TAX6368*	Nano Technology for Textiles	45 credits(P) at level 4 and above, [TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)], [TAX5551(CA) or TAX4532(P) or TAX4571(P) or TAX4534(P)]

*Not offered in 2023/2024

Excluded Combinations

TAX3458 and TAX3530	TAI4371 and TAI5552
TAX3370 and TAX5551	TAI4472 and TAI5552
TAX4571 and TAX5551	MHZ3576 and TAZ3536
MHZ5570 and TAZ5550	

Curriculum for Textile Manufacture Specialisation

Compulsory Courses

Courses		Prerequisites
Level 3		
TAX3458	Fibre Science & Technology	None
TAX3459	Yarn Manufacture I	None
TAX3370	Textile Preparation	None
TAX3331	Garment Analysis and Sewing Machinery	None
TAI3332	Garment Accessories	None
MHZ3576	Statistics for Industrial Studies	None
TAM3234	Basics of Human Resource Management	None
TAM3535	Management Studies	None
TAK3237	Introduction to Computer Applications	None
Level 4		
TAX4539	Quality Assurance for Textile and Clothing	15 credits(P)
TAX4540	Garment Manufacture	15 credits(P), TAX3331(CA) or TAX3539(P)
TAX4560	Woven Fabric Technology	15 credits(P)
TAX4361	Knitting Technology	15 credits(P)
TAX4571	Textile Colouration and Finishing	15 credits(P), TAX3370(CA) or TAX3534(P)
TAI4344	Industrial Garment Washing and Finishing	15 credits(P)
TAM4445	Apparel Merchandising	15 credits(P)
Level 5		
TAX5648	Fabric Structure and Analysis	45 credits(P)
TAX5349	Nonwoven Textiles	45 credits(P), TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)
TAX5547	Plant Utilities	45 credits(P)
TAI5246	Current topics in Textile and Clothing	45 credits(P)
TAI5552	Principles of Fashion Design	45 credits(P)
MHZ5570	Quantitative Techniques	45 credits(P), MHZ3576 (P) or TAZ3536(P) or TAZ4541(P)
Level 6		
TAX6556	Ergonomics	45 credits(P) at level 4 and above
TAX6263	Textile Product Engineering	45 credits(P) at level 4 and above
TAY6883	Research Project (Textile Manufacture)	45 credits(P) at level 4 and above, TAI5246(CA) or TAI5339(P)

Elective courses

Courses		Prerequisites
LLJ3245	Introduction to Laws of Sri Lanka	None
MHJ4241	History of Technology	20 credits(P)
TAX4438	Production Planning and Organisation	15 credits (P)
MHJ5343	Nature of Science	45 credits(P)
MHJ5342	Technology, Society and Environment	45 credits(P)
TAJ5353	History and Traditions of Clothing	45 credits(P)
TAM6457	Fashion Marketing	45 credits(P) at level 4 and above
TAX6454	Technical Textiles	45 credits(P) at level 4 and above
TAX6265	Advanced Weaving Preparation and Machinery	45 credits(P) at level 4 and above, TAX4560(P)
TAX6366	Yarn Manufacture II	45 credits(P) at level 4 and above, TAX3459(P) or TAX3532(P)
TAX6367	Advanced Colouration	45 credits(P) at level 4 and above, [TAX4571(P) or TAX4534(P) or TAX5551(CA) or TAX4532(P)]
TAX6368*	Nano Technology for Textiles	45 credits(P) at level 4 and above, [TAX3458(P) or TAX3531(P) or TAX3530(P) or TAX3537(P)], [TAX5551(CA) or TAX4532(P) or TAX4571(P) or TAX4534(P)]

*Not offered in 2023/2024

Industrial Training

Industrial Training (Select any 2 out of 5 training courses)		
TAW4401	Industrial Training I (Apparel)	TAX3331(P) or TAX3539(P), TAX4438(CR) or TAI3541(P), 15 credits(P)
TAW5403	Industrial Training II (Yarn Manufacture)	TAX3459(P) or TAX3532(P), 15 credits(P)
TAW5404	Industrial Training II (Weaving)	TAX4560(P), 15 credits(P)
TAW5405	Industrial Training II (Chemical Processing)	TAX5551(CR) or TAX4532(P) or TAX4571(P) or TAX4534(P), 15 credits(P)
TAW5406	Industrial Training II (Knitting)	TAX4361(P) or TAX5562(P), 15 credits(P)

Excluded Combinations

TAX3458 and TAX3530	TAI4371 and TAI5552
TAX3370 and TAX5551	TAI4472 and TAI5552
TAX4571 and TAX5551	MHZ3576 and TAZ3536
MHZ5570 and TAZ5550	

Exclusive course combinations for BIS Honours Study Programme

TAI3342 and TAI5543	TAI3543 and TAI5543	TAX3555 and TAX4560
TAI3539 and TAX3539	TAX3534 and TAX4532	TAX4534 and TAX4532
TAX4531 and TAX5562	TAI4538 and TAX4538	TAI4371 and TAI5543
TAM4539 and DMM5836	TAM4539 and TAM5861	TAI4472 and TAI5543
TAY5553 and TAI5563		

Exclusive course combinations for BIS Honours Study Programme (additional list)

AGI3534	And	AGI3551	AGX5532	And	AGX5565
AGI3535	And	AGI3450	AGX6535	And	AGI6478
AGI3536	And	AGI4561	AGJ5540	And	AGJ5368
AGX4539	And	AGI3552	AGM5546	And	AGM6379
ADU3318	And	MHZ4357	AGI5530	And	AGI5572
AGZ3538	And	MHZ3458	AGI5541	And	AGI5569
AGJ4533	And	AGJ6381	AGI6238	And	AGI5274
AGX4530	And	AGI3553	AGX6534	And	AGI4362
AGX4540	And	AGX4356	AGY6D96	And	AGY6880
ADU4319	And	AGZ5367	AGI6539	And	AGI4460
AGX4531	And	AGI4559	AGI6232	And	AGX6283
AGX4537	And	AGI4555	AGI6237	And	AGX6284
AGM4535	And	AGM4363	AGX6536	And	AGI6582
AGI4538	And	AGI5471	AGI6550	And	AGI6585
AGM4534	And	AGM5475	AGW4002	And	AGW4401
AGX4532	And	AGX6490	AGW5002	And	AGW5401
AGX5543	And	AGI5364			
TAX3531	And	TAX3458	TAX4571	And	TAX5551
TAX3532	And	TAX3459	TAI5348	And	TAI5375
TAX3534	And	TAX3370	TAI5354	And	TAI5376
TAX3537	And	TAX3530	TAI5359	And	TAI5277
TAX3539	And	TAX3331	TAX5562	And	TAX4361
TAI3536	And	TAX5648	TAI5563	And	TAI5478
TAI3538	And	TAI3332	TAX6533	And	TAX6454
TAI3540	And	TAI3533	TAX6335	And	TAX6263
TAI3541	And	TAX4438	TAX6539	And	TAX6556
TAI3342	And	TAI4371	TAM6540	And	TAM6457
TAI3543	And	TAI4472	TAI6549	And	TAI6580
TAJ3346	And	TAI3270	TAX6560	And	TAX7369
TAX4532	And	TAX5551	TAX6560	And	TAX6265
TAX4533	And	TAX4539	TAX6561	And	TAX6366
TAX4534	And	TAX4571	TAX6362	And	TAX6367
TAX4538	And	TAX4540	TAX6563	And	TAX7368
TAM4539	And	TAM3234	TAX6564	And	TAX5349
TAM4539	And	TAM3535	TAX6565	And	TAX6455
TAZ4541	And	MHZ3576	TAI6869	And	TAI5579
TAX4542	And	TAX4441	TAY6D95	And	TAY6882
TAI4545	And	TAI4474	TAY6D95	And	TAY6883
TAJ4547	And	TAI4373	TAY6390	And	TAY5384
TAX5532	And	TAX7464	TAY6A96	And	TAY6882
TAX5534	And	TAX5547	TAY6A91	And	TAY6885
TAI5538	And	TAI4442	TAY6397	And	TAY6882

TAI5339	And	TAI5246	TAY6397	And	TAY6883
TAM5540	And	TAM4445	TAY6A98	And	TAY6883
TAJ5342	And	TAJ5353	TAY6A98	And	TAY6882
TAI5543	And	TAI5552	TAW4001	And	TAW4401
TAZ5544	And	MHZ5570	TAW4002	And	TAW4402
TAI5345	And	TAI4243	TAW5001	And	TAW5401
TAI5346	And	TAI4344	TAW5002	And	TAW5402
TAX3458	And	TAX3530	TAW5003	And	TAW5403
TAX3370	And	TAX5551	TAW5004	And	TAW5404
TAX4571	And	TAX5551	TAW5005	And	TAW5405
TAI4371	And	TAI5552	TAW5006	And	TAW5406
TAI4472	And	TAI5552	TAX4531	And	TAX5562
TAI3342	And	TAI5543	TAZ3536	And	MHZ3576
TAI3543	And	TAI5543	TAZ5550	And	MHZ5570
MHJ5531	And	MHJ5342			
MHJ5533	And	MHJ5343			
LLJ3245	And	LLJ3360			

Exemptions applicable for BIS Honours 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)	VTL2001

Qualifications in Textile/Apparel and related disciplines

[Applicable for Higher Diploma or Honours degree in Industrial Studies – 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.	TAX3458	TAX3530	TAX4560			
	TAX3331	TAX3459				
	[TAX3370 and TAX4571] or TAX5551					
Certificate in Fabric Technology (Part time) from the Textile Training and Services Centre.	TAX3530					
Certificate in Textile Dyeing and Printing (Part time) from the Textile Training and Services Centre.	[TAX3370 and TAX4571] or TAX5551					
Diploma in Textile Technology from the Textile Training and Services Centre.	TAX3458		TAX4571			
	TAX3459	TAX3331	TAX4560			
	TAX3370	TAX3530				
Certificate in Textile Colouration and Finishing (Part time) and Diploma in Textile Colouration and Finishing (Part time) from the Textile Training and Services Centre.	TAX3458 {TAX3370 and TAX4571} or TAX5551					
Diploma in Clothing Technology, Clothing Industry Training Institute.	TAX3530	TAI3533	TAX4438	TAW4401	TAW5401	
	TAI3332	TAX3331	TAX4539			
Certificate in Garment Production Management (Part time) from Clothing Industry Training Institute.	TAX3331					
College Diploma in Clothing Technology and Management (Fulltime), Brandix College of Clothing Technology.	TAX3530	TAX3331	TAX4438	TAW4401	TAX5648	
	TAI3332	TAI3533	TAX4539			
	TAM3234		TAX4540			
	TAM3535		TAI4442			
	MHZ3576					
Diploma in Textile and Apparel Technology (Full time), Sri Lanka Institute of Textile and Apparel (SLITA) - (Only for the Apparel Production and Management and Fashion Design & Product Development streams)	TAX3530	TAX3331	TAX4539		TAX5648	
	TAI3332	TAI3533	TAX4540		TAX5551	
	TAM3234		TAX4438			
	TAM3535		TAI4442			
	MHZ3576					

Qualification	Courses exempted				
	Level 3 (and 4)		Level 4 (and 5)		Level 5 & 6
Diploma in Textile and Apparel Technology (Full time after 2015), Sri Lanka Institute of Textile and Apparel (SLITA) - (Only for Apparel production and management stream and Fashion Design and Product Development stream)	TAX3530 TAI3332 MHZ3576		TAX4539 TAX4438		
Diploma in Textile and Apparel Technology (Full time), Sri Lanka Institute of Textile and Apparel (SLITA) - (Only for Textile manufacture stream	TAX3458 TAX3331 TAX3459 TAX3370	TAM3234 TAM3535 MHZ3576	TAX4539		TAX5648
Diploma in Textile and Apparel Technology (Full time after 2015), Sri Lanka Institute of Textile and Apparel (SLITA) - (Only for Textile manufacture stream	TAX3458 TAX3459 TAX3370 MHZ3576		TAX4539 TAX4571 TAX4560 TAX4361		
Diploma in Textile and Apparel Technology (Part time), Sri Lanka Institute of Textile and Apparel (SLITA).	TAX3530				TAX5551
Diploma in Lanka Institute of Fashion Technology (LIFT) - (Only for the Fashion Design and Product Development Stream)	TAI3270		TAI4474 TAI4373 TAI4371 TAI4472		TAI5375
NDT (Textile) (Old Curriculum-till 2007)	TAX3530 TAX3370 TAX3459	TAX3331 TAX3530 TAK3237 TAM3234 TAM3535	TAX4539 TAX4571 TAX4560	[Any two of TAW4401 TAW5403 TAW5404 TAW5405] TAW5406]	TAX5648 TAX5551
NDT (Textile) (Old Curriculum-till 2007) without completion of training	TAX3530 TAX3370 TAX3459	TAX3331 TAX3530 TAK3237 TAM3234 TAM3535	TAX4539 TAX4571 TAX4560		TAX5648 TAX5551
NDT (Clothing) (Old Curriculum-till 2007)	TAX3530 TAX3458 TAX3370 TAX3331 TAM3234 TAM3535	TAX3530 TAI3332 TAI3533 TAK3237	TAX4539 TAX4571 TAX4540 TAI4442 TAX4438	[Any two of TAW4401 TAW5401 TAW5403 TAW5404 TAW5405 TAW5406]	TAX5648 TAX5551
NDT (Clothing) (Old Curriculum-till 2007) without completion of training	TAX3530 TAX3370 TAX3331 TAX3458	TAX3530 TAI3332 TAX3331 TAI3533 TAK3237 TAM3234	TAM3535 TAX4539 TAX4540 TAX4438 TAI4442 TAX4571		TAX5648 TAX5551
*NDT (Textile and Clothing Technology) - From 2007 to 2021	TAX3458 TAX3459 TAX3370 TAK3237	TAX3530 TAI3332 TAX3331 TAI3533 TAM3234 TAM3535	TAX4539 TAI4442 TAX4571 TAX4540 TAX4560 TAX4438	[Any two of TAW4401 TAW5401 TAW5403 TAW5404 TAW5405 TAW5406]	TAX5648 TAX5551

Qualification	Courses exempted			
	Level 3 (and 4)	Level 4 (and 5)	Level 5 & 6	
*NDT (Textile and Clothing Technology) – From 2007 to 2021 Without completion of training	TAX3458 TAX3459 TAX3370 TAM3234 TAM3535	TAX3530 TAI3332 TAX3331 TAI3533 TAK3237	TAX4539 TAX4571 TAX4540 TAX4560 TAX4438 TAI4442	TAX5648 TAX5551
Diploma in Clothing Manufacture – CITI	TAX3530 TAX3331 TAI3533		TAX4438 TAX4539 TAW4401	TAW5401
BSc (Eng) Textile and Clothing, University of Moratuwa	TAM3234 TAM3535	TAX3530 TAI3533 TAX3458 TAX3459 TAX3370	TAX4539 TAX4571 TAX4560 TAI4442 AGM4307	CVM5401 DMM6601 TAX5648 [Any two of TAW4401 TAW5403 TAW5404 TAW5405 TAW5406]
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	TAX3530			
Paper 2 in LTI/Paper 2(a) in ATI – Fibre Technology and Textile Science	TAX3458			
Paper 3 in LTI /Paper 2 (b) in ATI – Yarn Technology and Yarn preparation	TAX3459			
Paper 4 in LTI /Paper 2 (c) in ATI- Fabric technology			TAX4560	TAX5648
Paper 5 in LTI /Paper 2 (d) in ATI-Dyeing and Finishing Technology	[TAX3370 and TAX4571] or TAX5551			
Paper 6 in LTI – Textile Testing			TAX4539	
Paper 9 in LTI- Quality Management in Textiles	MHZ3576			
Paper 2 in LTI – Garment Technology	TAX3331			
Certificate in Industrial Studies (OUSL)	See below for exemptions for individual papers			
TTI2631 Yarn manufacture	TAX3459			
TTI2632 Weaving			TAX4560	TAX5648
TTI2633 Textile Chemical processing	[TAX3370 and TAX4571] or TAX5551			
TTI3650 Pattern Making	TAI3533			
Diploma in Technology (Textile Engineering) from the OUSL	TAX3459 TAX3530	TAX3458	TAX4539 TAX4560	TAX5551

Qualifications in Agriculture and related disciplines

[Applicable for Higher Diploma or Honours degree in Industrial Studies Agriculture related disciplines]

Qualification	Courses exempted			
	Level 3	Level 4	Level 5	
Diploma in Agriculture – Schools of Agriculture or Diploma in Agriculture – Aquinas College	AGI3450 AGI3552 AGM3354	AGM3203 TAK3237 AGI3553	AGI4460 AGX4356 AGW4401	AGW5401
NDT (Agriculture) or National Diploma in Agriculture (NDA) or Higher National Diploma in Agriculture (HNDA)- Department of Technical Education and Training	AGI3450 AGI3552 AGM3354	AGM3203 TAK3237 AGI3553	AGI4460 AGX4356 AGW4401	AGW5401
Diploma in Animal Husbandry, Sri Lanka, School of Animal Husbandry, Department of Animal Production and Health, Welisara			AGI4460	AGI5471
HNDT (Agriculture) – Sri Lanka Institute of Advanced Technological Education	AGI3450 AGI3552 AGM3354	AGM3203 TAK3237 AGI3553	AGI4460 AGX4356 AGW4401	AGW5401
NDT, HNDT, HNDA and NDA in Agriculture - without training	Exemptions granted for NDT, HNDT, HNDA and NDA (Agriculture) except AGW4401 & AGW5401			

Bachelor of Software Engineering Honours Study Programme

Degree of Bachelor of Software Engineering Honours Study Programme

Introduction to the Study Programme

The Bachelor of Software Engineering Honours Degree has been designed carefully according to the requirements of IEEE/ACM guideline and conforms to the requirements of Sri Lanka Qualification Framework (SLQF).

A student could obtain a Higher Diploma in Software Engineering after successful completion of a required combination of courses and credit requirements.

Duration

The minimum duration of the Honours Degree Programme is 4 years and the maximum number of years a student can spend to complete the degree Programme is twelve (12) years.

Medium of Instruction

Medium of instruction of the Study Programme is English.

Eligibility for Admission to the Programme of Study

Please note that these admission requirements are only for the students entering the Study Programme from the academic year 2019/20 onwards.

A person seeking admission to the Programme leading to the award of the Degree of Bachelor of Software Engineering Honours shall be required to possess one of the following qualifications and pass the selection test conducted by the Open University of Sri Lanka.

1. Obtained three passes in General Certificate of Education (Advanced Level) in any stream, excluding General English and General Information Technology subjects or
2. Completed any Advanced Certificate

programme offered by the Open University of Sri Lanka, or,

3. Obtained “C” passes for any 3 subjects in Cambridge/Edexcel Advanced Level examination, or,
4. Any other qualification acceptable to the Senate

Requirements for the Award of the Degree

In order for a student to qualify for the award of the Degree of Bachelor of Software Engineering Honours, S/he has to meet the following requirements within a maximum period of 12 academic years.

- 1) Obtain passes for all compulsory courses, and
- 2) Fulfil the Level-wise and Category-wise minimum Credits for the Degree as given in Table 5.

Requirements for the Award of the Higher Diploma

In order for a student to qualify for the award of the Higher Diploma of Bachelor of Software Engineering Honours, s/he has to meet the following requirements within a maximum period of 12 academic years.

- 1) Obtain passes for all compulsory courses of levels 3 and 4 for the specialisation, and
- 2) Fulfil the Level-wise and Category-wise minimum Credits for the Diploma as given in Table 6.

Table 5 - Category-wise and level-wise minimum credit requirements for the award of the Bachelor of Software Engineering Honours Degree

Category	Minimum credits	Maximum credits
Industrial (I)	65 subject to a minimum of 30 credits being at levels 5 and 6, of which minimum of 15 credits at level 6	76
Engineering (X)		subject to a minimum of 30 credits being at levels 5 and 6, of which minimum of 15 credits at level 6
Management (M)	17, subject to a minimum of 12 at levels 5 or above	28, subject to a minimum of 12 at levels 5 or above
General (J)	5	16
Mathematics (Z)	12, subject to a minimum of 3 at levels 5 or above	21, subject to a minimum of 3 at levels 5 or above
Project (Y)	8 subject to a minimum of 6 credits being at level 6	12 subject to a minimum of 6 credits being at level 6
Language (L or E)	4	4
Industrial Training (W)	8	8
Total	130 subject to a minimum of 60 credits being at levels 5 and 6, of which at least 30 credits at level 6.	

Table 6 - Category-wise and level-wise minimum credit requirements for the award of the Higher Diploma in Software Engineering

Category	Minimum credits	Maximum credits
Industrial (I)	30 at levels 3 and 4, of which minimum of 15 credits at level 4	44
Engineering (X)		subject to a minimum of 30 credits being at levels 3 and 4, of which minimum of 15 credits at level 4
Management (M)	5, at levels 3 or 4	10, subject to minimum 5 at levels 3 or 4
General (J)	2	9
Mathematics (Z)	9, at levels 3 or 4	12, at levels 3 or 4
Project* (Y)	5	9
Industrial Training* (W)		
Language (L or E)	0	4
Total	65, subjected to a minimum of 30 at level 4	

Limits for Exemptions

Notwithstanding any exemptions granted for prior qualifications, a student shall acquire, by successful completion in accordance with the Scheme of Assessment, a minimum number of credits as shown below for the awards.

For the Degree:

Minimum Credit requirements a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Honours Degree are as given below.

1. Level 6 (considering all Categories): 15
2. Levels 5 and 6 (considering all Categories): 30
3. Levels 5 and 6 (considering X, I, Y and Z categories): 20
4. Total (considering all Categories and all levels from 3 to 6): 65

For the Higher Diploma:

Minimum Credit requirements a student shall acquire by successful completion in accordance with the Scheme of Assessment for the award of the Higher Diploma are as given below.

1. Level 4 (considering all Categories): 15
2. Level 4 (considering X and I Categories): 8
3. Levels 3 and 4 (considering X, I and Z Categories): 20
4. Total (considering all Categories and all levels from 3, 4 and/or 5): 33

A list of qualifications for which exemptions could be claimed is given in the Annex.

Criteria of computing Grade Point Average (GPA)

The GPA shall be computed by considering the courses at levels 4, 5, and 6 totalling to 60 credits (for Interim Curriculum) or 70 credits (for the Revised Curriculum). In selecting the courses for those Credits the following sequence will be followed.

- Compulsory courses at levels 5 and 6
- Non-compulsory courses at levels 5 and 6
- Compulsory courses at level 4 Part Credit of the next course.

In a situation, where exactly required credits cannot be obtained, the courses are selected to the nearest value below seventy (70), and the remainder credit is taken as a Part Credit of the next course.

The Grade Point Average (GPA) is computed as follows:

$$GPA = [\Sigma (\text{Credit Rating}_i * GPV_i) + (\text{Part Credit Rating}_j * GPV_j)] / 70$$

However, the Industrial Training course is not considered when calculating the GPA.

Important Notes

Maximum number of credits per academic year and General pre-requisites

Maximum number of credits a student can register at the Open University of Sri Lanka per academic year 38.

Also note that in addition to the pre-requisites mentioned in the curricula the following pre-requisite (Level Pre-requisites) have to be fulfilled for registering courses.

For Courses at level 3 or 4:

{FDE3020[CR] or FDE3023 [CR]} and {LTE3401[CR] or LTE3407[CR] or VTL2001}

For Courses at level 5 or 6:

{FDE3020[P] or FDE3023 [P]} and {LTE3401[P] or LTE3407[P] or VTL2001}

Fulfilment of Course Category Credits and Compulsory Courses under RC

The students who aspire to receive awards under the RC need to register for the following courses, except under the conditions mentioned in the Remarks column of the following Table, to meet course category credit requirements and compulsory course requirements for awards under RC.

Course (Revised Curriculum)	Prerequisites	Remarks
EEI4366 Data Modelling and Database Systems	EEI3266(CA), 15 credits	Exempted for EEI5566(P)
AGM4307 or AGM4367 Economics and Marketing for Engineers	Pass in 18 credits in Level 3	Exempted for EEM5860(P)
EEI4267 Requirement Engineering	EEX3467(P) OR EEX4467(P)	
EEI4346 Web Technology	EEI3346(CR) OR EEI3364(P)	Exempted for EEI4364(P)
EEY4189 Software Design in Group	EEX3467(P) OR EEX4467(P), EEI3262(CA) OR EEI4562(CA) OR EEX4562(P) OR EEX4362(CA) OR EEI4362(CA) OR EEI3269(CA), pass in 20 credits	
EEI5270 Information Security	EEX3467(P) OR EEX4467(P), EEX4565(P) OR EEX4465(P), 30 credits pass	
EEX5362 Performance Modelling	{EEI4364(P) OR EEI3346(P)}, TAZ4261(P) OR MHZ4357(P) OR MHZ4377(P), Pass in 40 credits	
CVM5401 or CVN5402 Accounting for Engineers	AGM4307(CA) or AGM4367(CA), Pass in 30 credits	
MHJ5342 or MHJ5372 Technology, Society and Environment	45 credits	Exempted for MHJ5563(P)
EEM6202 Professional Practice	Pass in 30 credits at level 3, Pass in 24 credits at level 4 or above	
EEI6171 Emerging Technologies	Pass in 60 credits	
EEY6189 Research Methodology and Project Identification	{EEX4565(P) OR EEX4465(P)}, Pass in 60 credits	Exempted for EEY6A89(P)

Curriculum for Bachelor of Software Engineering Honours Study Programme

All the courses of the IC have been discontinued. If a student needs a course to fulfil the award requirements under IC, such student is required to register for the alternative course/s of the RC given in the second column.

Compulsory Courses

Course (IC)	Alternative Course (RC)	Prerequisite
EEX3363 Introduction to computing	EEX3373 Communications and Computer Technology	EEX4467(P) OR EEX3467(CR), AGM3203 (CR) or AGM 3263(CR)
EEZ3361 Mathematics for computing	MHZ3459 Basic Mathematics for Computing	None (prerequisite added for 2023/2024 intake)
EEX4565 Data structures and algorithms	EEX4465 Data Structures and Algorithms	EEX3373(CA) OR EEX3363(P), MHZ4360(P) OR MHZ4256(CR), 15 Credits
EEX4467 Software engineering concepts	EEX3467 Software Engineering Concepts and Programming	None
EEI4562 Object oriented design and programming	EEI3262 Introduction to Object Oriented Programming	None
	EEI4362 Object Oriented Design	EEI3262(CA), EEX4467(P) OR EEX3467(CA), 15 credits
EEI4364 Networking and web technology	EEI3346 Web Application Development	None

EEI4266 Data modelling and database systems	EEI3266 Information Systems and Data Management	None
MHZ4360 Discrete mathematics I	MHZ4256 Mathematics for Computing	None* (pre-requisite added for 2023/2024 intake)
TAZ4261 Probability and statistics	MHZ4357 or MHZ4377 Applied Statistics	MHZ3459(CA) OR EEZ3361(CA), Pass 15 Credits in level 3
EEJ4360 Communication skills for Engineers	AGM3203 or AGM3263 Communication Skills	None
EEX5563 Computer Architecture and Operating Systems	(Continued to be offered)	EEX3363(P) OR EEX3373(P), 36 credits
EEI5361 Human computer interaction	EEI4361 User Experience Engineering	EEX4467(P) OR EEX3467(CA), 15 credits
EEI5567 Software quality assurance and testing	EEI5467 Software Testing and Quality Assurance	EEX4467(P) OR EEX3467(P), 20 credits
EEM5860 Management and professional issues	AGM4307 or AGM4367 Economics and Marketing for Engineers	None
	CVM5402 Accounting for Engineers	AGM4307(CA) or AGM4367(CA), 30 credits pass
	DMM6602 Management for Engineers	CVM5402(CA), Pass in 60 credits
MHZ5360 Discrete mathematics II	MHZ5355 or MHZ5375 Discrete Mathematics	MHZ4360(P) OR MHZ4256(CA), EEZ3361(P) OR MHZ3459(P)
EEI6560 Software project management	EEI6360 Software Project Management	Pass in 60 credits
EEI6567 Software architecture and design	EEI6567 Software architecture and design	EEI4562(CA) OR EEX4562(CA) OR EEI4362(CA), EEX4467(P) OR EEX3467(P)
EEX6563 Software construction	EEX6363 Compiler Construction	EEX4565(P) OR EEX4465(P), MHZ5360(CA) OR MHZ5355(P) OR MHZ5375(P) Pass in, 60 credits
EEY6A89 Group Project (Software Engineering)	EEY4189 Software Design in Group	EEX4467(P) OR EEX3467(P), EEI4562(CA) OR EEI3262(CA) OR EEI3269(CA), 26 credits at Level 3
	EEY6189 Research Methodology and Project Identification	{EEX4565(P) OR EEX4465(P)}, Pass in 60 credits
	EEY6689 Final Project - Software Engineering	EEI6560(CA) OR EEI6360(CR), EEI6567(CR), EEY6189(CA), Pass in 75 credits

New elective courses

Course	Pre-requisites
EEI3269 Introduction to Mobile Application Development	None
EEI3372 Programming in Python	None
EEM3366 Introduction to Business Studies	None
LLJ3265 Introduction to Laws of Sri Lanka	None
EEI4369 Mobile Application Development for Android	EEI3269(CR) OR EEI3369(P)
EEX4373 Data Science	EEI4366(CR), EEI3266(CA), Pass in 20 credits
MHJ4271 History of Technology	20 credits
EEY4489 Higher Diploma Project - Software Engineering	45 credits
EEI5280 Creative Design	45 credits

Course	Pre-requisites
EEX5376 Embedded Systems and Internet of Things	E EI3266(P), E EI3372(P), AGM3203(P) OR AGM3263(P), E EX3363(P) OR E EX3373(P)
EEX6377 Principles and Applications of Data Mining	E EX4565(P) OR E EX4465(P), TAZ4261(P) OR MHZ4357(P) OR MHZ4377(P), E EI4366(P), Pass in 45 credits

*Not offered in 2023/2024

Levels 5 and 6 Elective Courses

Course (IC)	Alternative Course (RC)	Prerequisites
E EI5566 Advanced database systems	E EI5466 Advanced Database Systems	E EI4266(P) OR E EI3266(P), AGM3263(CR) OR E EJ4360(P)
**E EI6561 Electronic Commerce	No alternative course	E EI3346(P) OR E EI4364(P), 15 credits at level 4 or above
E EI6565 Artificial intelligence techniques	E EX6340 AI Techniques and Agent Technology	E EX4565(P) OR E EX4465(P), E EX3467(P) OR E EX4467(P), MHZ5375(P) OR MHZ5355(P)
	E EX6278 Neural Networks and Fuzzy Logic Applications	E EX3467(P), Pass in 65 credits

** discontinued from 2020/2021

Industrial Training module

Module (IC)	Alternative Course (RC)	Prerequisites
E EW5011 Industrial training module (Software Engineering)	E EW5811	E EX4467(P) OR E EX3467(P), E EI4562(P) OR E EX4562(P) OR E EX4362(P) OR E EI4362(P), E EX4465(P) OR E EX4565(P), Pass in 40 credits
for RC students	E EW5811 Industrial Training - Software	

Exclusive Course Combinations for BSEHons Study Programme

Old Course/Training Module	Equivalent course/s or training module/s (Interim)	Equivalent course/s (Revised)
ECX3163 Introduction to computing	E EX3363 Introduction to Computing	E EX3373 Communications and Computer Technology
ECZ3161 Mathematics for computing	E EZ3361 Mathematics for computing	MHZ3459 Basic Mathematics for Computing
ECX4265 Data structures and algorithms	E EX4565 Data structures and Algorithms	E EX4465 Data Structures and Algorithms
ECX4267 Software engineering concepts	E EX4467 Software engineering concepts	E EX3467 Software Engineering Concepts and Programming
E CI4262 Object oriented design and programming	E EI4562 Object oriented design and programming	E EI3262 Introduction to Object Oriented Programming E EI4362 Object Oriented Design
E CI4164 Networking and web technology	E EI4364 Networking and web Technology	E EI3346 Web Application Development
E CI4166 Data modelling and database Systems	E EI4266 Data modelling and Database systems	E EI3266 Information Systems and Data Management
MPZ4160 Discrete mathematics I	MHZ4360 Discrete mathematics I	MHZ4256 Mathematics for Computing
TTZ4161 Probability and statistics	TAZ4261 Probability and statistics	E EZ4361 Probability & Statistics
ECJ4160 Communication skills for Engineers	E EJ4360 Communication skills for Engineers	AGM3263 Communication Skills
ECX5263 Computer organization and	E EX5563 Computer	E EX5563 Computer Architecture and

Old Course/Training Module	Equivalent course/s or training module/s (Interim)	Equivalent course/s (Revised)
operating systems	organization and operating systems	Operating Systems
ECI5161 Human computer interaction	EEI5361 Human computer Interaction	EEI4361 User Experience Engineering
ECI5267 Software quality assurance and testing	EEI5567 Software quality assurance and testing	EEI5467 Software Testing and Quality Assurance
ECI5266 Advanced database systems	EEI5566 Advanced database Systems	EEI5466 Advanced Database Systems
ECX5265 Software construction	EEI5565 Software construction	EEX6363 Compiler Construction
MPZ5160 Discrete mathematics II	MHZ5360 Discrete mathematics II	MHZ5355 Discrete Mathematics MHZ5375 Discrete Mathematics
MPJ5263 Technology, society and Environment	MHJ5563 Technology, society and Environment	MHJ5342 Technology, Society and Environment MHJ5372 Technology, Society and Environment
ECM5360 Management and professional issues	EEM5860 Management and professional issues	AGM4307 Economics and Marketing for Engineers
		AGM4367 Economics and Marketing for Engineers
		CVM5401 Accounting for Engineers
		CVM5402 Accounting for Engineers
ECX6263 Software construction	EEX6563 Software construction	DMM6602 Management for Engineers
ECI6260 Software project management	EEI6560 Software project Management	EEX6363 Compiler Construction
ECI6261 Electronic Commerce	EEI6561 Electronic Commerce	EEI6360 Software Project Management
ECI6267 Software architecture and design	EEI6567 Software architecture and Design	No equivalent course
ECI6265 Artificial intelligence techniques	EEI6565 Artificial intelligence techniques	EEI6567 Software architecture and design
		EEX6340 AI Techniques and Agent Technology
ECY6489 Group Project (Software Engineering)	EEY6A89 Group Project (Software Engineering)	EEX6278 Neural Networks and Fuzzy Logic Applications
		EEY6689 Final Project - Software Engineering
ECW4280 Specific Training I (Software Engineering)	EEW4080 Specific Training I (Software Engineering)	EEY6189 Research Methodology and Project Identification
		EEW5811 Industrial Training - Software
ECW4281 Specific Training II (Software Engineering)	EEW4081 Specific Training II (Software Engineering)	
ECW5011 Industrial Training Module (Software Engineering)	EEW5011 Industrial Training Module (Software Engineering)	

Exemptions applicable for BSEHons Study Programme

Qualifications in English Language and Mathematics

Qualification	Course exempted
G. C. E (A/L) - Simple pass in General English, or any recognized qualification in Science or Technology/Engineering, at the level of Diploma or Degree, the medium of instruction being English (verification needed)	VTL2001
All Qualifications approved by the Senate for LEE3410 or LTE3401 or LTE3407	LEE3410 or LTE3401 or LTE3407
G. C. E (A/L) - Simple pass in Combined mathematics	MHZ2250

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

Qualification	Courses Exempted
Diploma in Technology (OUSL) Civil, Textile, Agriculture	VTI3F00, EEZ3461
Diploma in Technology (OUSL) Electrical, Electronics, Mechanical, Mechatronics	VTI3F00, EEZ3461, EEX3373
Diploma in Technology (OUSL) Computer	VTI3F00, EEZ3461, EEX3373, EEX3467, EEX4465
BSc/BA or equivalent University degree (except specialisation in Computing)	VTI3G00
BCS (British Computer Society) Certificate	VTI3F00, EEX3467, EEX4465
SLIIT (SL Institute of Information Technology) Associate Diploma in IT	VTI3F00, EEX3373, EEI3346, EEI3266
SLIIT (SL Institute of Information Technology) Diploma in IT	VTI3F00, EEX3373, EEI3346, EEI3266, EEX4465, EEX3467
CMA (Certified Management Accountants)- Stage I or II	VTI3G00
CIMA (Chartered Institute of Management Accountants) - Stage I or II	VTI3G00
IBSL (Institute of Bankers of Sri Lanka) Certificate or Advance Certificate in Banking and Finance	VTI3G00
NIBM (National Institute of Business Management) Diploma in Computer System Design (DCSD) (from 2010)	VTI3F00, EEI3346, EEI3266, EEI3262, EEX3373, EEX3467, EEI4362
NIBM (National Institute of Business Management) Higher Diploma in Computer Based Information Systems (HDCBIS) (from 2010)	EEI3269, EEI4346, ECI4366, EEX4465, EEI4369, EEY4189, VTI3F00
NDT(National Diploma in Technology) Electronic & Telecom or NDES(National Diploma in Engineering Sciences) (Old curriculum)	VTI3G00, EEZ3461, EEX3373
Completion of first and second year of NDT in any field	VTI3G00, EEZ3461
NDES (Old curriculum) in any field	VTI3G00, EEZ3461,
NDES (New curriculum) in any field except (Electronics, Power or Telecommunication)	VTI3G00, EEZ3461
NDES (Electronics, Power or Telecommunication) (New curriculum)	VTI3G00, EEZ3461, EEX3373
Completion of 1st and 2nd phases of NDES (New curriculum) 2003 Power, Electronics or Telecommunication	VTI3G00, EEZ3461
NDET (National Diploma in Engineering Technology) (Electrical/Electronic)	VTI3G00, EEX3373
HNDE (Higher National Diploma in Engineering) (Electrical Power/Electronics)	VTI3G00, EEZ3461, EEX3373
NDICT (National Diploma in Information and Communication)	VTI3F00, EEX3373

Qualification	Courses Exempted
Technology)	
Diploma in System Design and Programming, Vocational Training Authority (VTA)	VTI3F00, EEX3373
HNDIT (Higher National Diploma in IT) Semester II	EEX3467, EEX4465, VTI3C01
HNDIT (Higher National Diploma in IT) Semester III	EEI3266, EEI4366, VTI4C00
HNDIT (Higher National Diploma in IT), IT2004 Introduction to Communication and Computer Networks and IT 4103 Web Programming	EEI3346, EEX3373
Higher National Diploma in Information Technology (HND IT), SLIATE, mathematics for Computing & GCE A/L combine mathematics - (new syllabus from 2010)	EEZ3461
HNDIT (Higher National Diploma in IT) Semester III with IT 3103 Object Oriented Analysis and Design	EEI3262, EEI4362
HNDIT (Higher National Diploma in IT), IT4301 Software Testing and IT4303 Software Quality Management	EEI5467
BIT - Bachelor in Information Technology (University of Colombo) 1 st year - Diploma in IT	VTI3F00, EEX3373, EEI3266
BIT - Bachelor in Information Technology (University of Colombo) 3rd Semester	EEX3467
BIT - Bachelor in Information Technology (University of Colombo) 2 nd year - Higher Diploma in IT	EEI4366, EEX4465
BIT - Bachelor in Information Technology (University of Colombo)	EEZ3461, MHZ4256
BIT - Bachelor in Information Technology (University of Colombo) <u>IT3503 - Web Development Techniques and IT4503 - Data Communications & Networks</u>	EEI3346, EEI4346
ACS (Australian Computer Society) Diploma in IT (new syllabus from 2006)	VTI3F00, EEX3467
ACS (Australian Computer Society) Diploma in IT (old syllabus)	VTI3G00
OUSL Faculty of Engineering Technology MPZ3230 or MPZ3231 or MHZ3531	EEZ3461
OUSL Faculty of Engineering Technology MHZ3531 or EEZ3561	MHZ3459
OUSL Faculty of Engineering Technology EEX3465 or EEX3467 (DIST)	EEX3467
OUSL Faculty of Engineering Technology EEI3364 or EEI3346 (DIST)	EEI3346
OUSL Faculty of Engineering Technology EEX3262 or EEI3262 (DIST)	EEI3262
OUSL Faculty of Engineering Technology EEI3566 or EEI3266 (DIST)	EEI3266
OUSL Faculty of Engineering Technology EEI3368 or EEI3668 (DIST)	EEI3668
OUSL Faculty of Engineering Technology EEI3369 or EEI3269 (DIST)	EEI3269
OUSL Faculty of Engineering Technology EEM3466 or EEM3366 (DIST)	EEM3366
OUSL Faculty of Engineering Technology MPZ4230 or MHZ4530 or EEZ4361	MHZ4256
OUSL Faculty of Engineering Technology ECX3233 or EEX3533 or EEX3336	EEX3373
OUSL Faculty of Engineering Technology ECX4235 or EEX4535	EEX4465
OUSL Faculty of Engineering Technology ECX4237 or ECX4247 or EEX4547 or ECX3217 or EEX3517 or EEX3417	EEX3467
OUSL Faculty of Engineering Technology ECX5236 and ECX5235	EEX5563
AAT- Association of Accounting Technicians (Sri Lanka) - Stage II or III	VTI3G00
Association of Accounting Technicians - Stage II	15

Advanced Certificate in Apparel Technology Study Programme

Advanced Certificate in Apparel Technology Programme

This Programme is designed to provide an opportunity to those engaged in the relevant industry to gain an in-depth knowledge in the subject of specialisation.

Advanced Certificate in Apparel Technology Programme is the equivalence to the specialisation offered under the Advanced Certificate in Industrial Studies, The Programme was revised according to the SLQF requirements and renamed as Advanced Certificate in Apparel Technology.

Eligibility for Admission to the Programme of Study

A person seeking admission to the Programme leading to the award of the Advanced Certificate in Apparel Technology shall be required to have,

1. obtained six (06) passes including mathematics and the first language in the General Certificate of Education (Ordinary Level) Examination, Sri Lanka or,
2. secured an equivalent or higher qualification acceptable to the Senate

Medium of Instruction

The Programme is offered in both Sinhala and English.

Requirements for the Award of the Advanced Certificate in Apparel Technology

The OUSL awards the Advanced Certificate in Apparel Technology to students who have acquired 30 credits by completing the courses belonging to the curriculum listed below.

Those who possess appropriate qualifications may seek exemptions from relevant courses of the Programme. However, they still require registering and successfully completing courses for a minimum of 15 credits for the award of the Advanced Certificate in Apparel Technology.

Curriculum

Course compulsory courses and the course conversions are given in Tables (a) and (b) respectively.

Table (a) -Level 2 Compulsory Courses

The courses of the Interim Curriculum were discontinued in the Academic Year 2019/20. Instead, the student can enrol for the alternative courses given in the second column of the following Table.

Courses	Prerequisite
TAX2585 Introducing Textiles	None
TAI2886 Apparel Technology	None
TAI2488 Laboratory Practice and Industrial Exposure	None
TAZ2587 Mathematics and Science for Textile Technology	None
TAI2289 Introducing Fashion	None
TAY2690 Advanced Certificate Project	None

Table (b)- Conversions for Curriculum Revision in 2020/21

For the students who have already completed the courses of the IC are converted to the equivalent courses as given in the Table below.

Course (IC)	Equivalent course/s of Revised curriculum
TAZ2535 Mathematics and science for textile and apparel	TAZ2587 Mathematics and Science for Textile Technology
TAI2530 Introducing textiles	TAX2585 Introducing Textiles
TAI2F34 Apparel technology	TAI2886 Apparel Technology
TAI2590 Laboratory practice and industrial exposure	TAI2488 Laboratory Practices and Industrial Exposure
- None	TAI2289 Introducing Fashion
- None	TAY2690 Advanced Certificate Project

Exemptions applicable for Advanced Certificate in Apparel Technology Study Programme

Qualification	Courses exempted
<ul style="list-style-type: none"> • G.C.E.(A/L) Sri Lanka - Combined mathematics - or • G.C.E.(A/L) Sri Lanka - Pure mathematics and Applied mathematics or • G.C.E.(A/L) Sri Lanka - Physics 	TAZ2587
Certificate in Fabric Technology (Part time) from the Textile Training and Services Centre.	TAX2585
Certificate in Garment Production Management (Part time) from Clothing Industry Training Institute.	TAI2886
Certificate in Garment Industry Management from Garment Industry Management Institute.	TAI2886
Licentiatehip of Textile Institute (LTI) Examination / Associateship of Textile Institutes (ATI) Technology Group Examination - Paper 1 in LTI / Paper 1(e) in ATI (Textile Technology)	TAX2585
Licentiatehip of Textile Institute (LTI) Examination - Paper 2 in LTI (Garment Technology)	TAI2886

Annex: Conversion of Courses

The following Tables give the equivalent course/s of the Revised Curriculum to those of the Interim Curriculum. As all the courses of the Interim Curriculum are not available from the academic year 2022/23 onwards, you may register for the equivalent course/s of the Revised Curriculum with the same pre-requisites mentioned in the student **Guidebook 2017/18**, and obtain backward conversions to complete the Higher Diploma and Degree requirements during the academic year 2022/23.

Please note that the following rules apply in the conversions.

Conversion type	Converted Course	
	Grade	Credit
one - one	Acquires the marks of the original course, and grade is determined accordingly.	Credits of the Converted Course/s
One - many	All converted courses are assigned the marks of the original course and grades are determined accordingly.	
Many - one	Credit based weighted average mark is calculated for original courses and allocated to the converted course. The grade is determined accordingly.	
Many - many	Credit based weighted average mark is calculated for original courses and assigned to all converted courses. The grades are determined accordingly.	

Courses of Bachelor of Science Honours in Engineering Study Programme

Courses offered by the Department of Civil Engineering

Course of the Interim Curriculum	Course of the Revised Curriculum
CVX3531 Structural Analysis & Design I	CVX3441 Structural Analysis & Design I
CVX3532 Hydraulics & Hydrology	CVX3340 Introduction to Hydraulics & Hydrology
CVX3533 Surveying I	CVX4342 Surveying I
CVX3534 Strength of Materials	CVX3442 Strength of Materials
CVX4530 Soil mechanics & Introduction to Rock Mechanics	CVX4343 Soil Mechanics
CVX4531 Structural Analysis & Design II	CVX4445 Structural Analysis and Design II
CVX3530 Construction Materials	CVX4446 Construction Engineering & Materials
CVX4532 Construction Engineering & Planning	
CVX4533 Irrigation Engineering	CVX4347 Irrigation Engineering
CVX4534 Water Supply and Sewerage Engineering	CVX4348 Water and Wastewater Engineering
CVX4535 Building Engineering	CVX4349 Building Engineering
CVX4536 Highway Engineering	None
CVX4538 Quantity Surveying	CVX4350 Quantity Surveying
CVX5530 Surveying II	CVX5440 Surveying II
CVX5531 Mechanics of Fluids	CVX4240 Hydraulic Engineering, I
	CVX4241 Engineering Hydrology
	CVX5241 Hydraulic Engineering II
	CVX5242 Mechanics of Fluids
CVX5532 Engineering Geology	CVX4344 Engineering Geology
CVX5533 Structural Analysis	CVX5443 Structural Analysis
CVX6530 Geotechnics	CVX6444 Geotechnics
	CVX7241 Geotechnical Design
CVX6831 Construction Engineering &	CVX6546 Construction Engineering & Management

Course of the Interim Curriculum		Course of the Revised Curriculum	
	Management		
CVX6832	Structural Design	CVX7640	Structural Design
CVX6533	Environmental Engineering	CVX6345	Environmental Engineering
CVY6D95	Individual Project - Type B (Civil)	CVY7880	Engineering Research Project (Civil)
CVY6A96	Group Project (Civil)	CVY7880	Engineering Research Project (Civil)
CVY6397	Project Identification & literature survey	CVX6180	Research Methodology and Project Identification (Civil)
CVY6A98	Individual Project - Type A (Civil)	CVY7880	Engineering Research Project (Civil)
CVW4002	Industrial Training (Civil diploma)	CVW4802	Industrial Training (Civil diploma)
CVW5003	Industrial Training (Civil-undergraduate)	CVW6803	Industrial Training (Civil-undergraduate)

Courses offered by the Department of Electrical and Computer Engineering

Course of the Interim Curriculum		Course of the Revised Curriculum	
EEX3350	Electronics I	EEX3351	Electronics I
EEX3510	Electro Techniques	EEX3410	Introduction to Electrical Engineering
EEX3517	Software Development for Engineers	EEX3417	Software Development for Engineers
EEX3533	Communication & IT	EEX3336	Communications and Computer Technology
EEX3531	Electrical Circuits & Measurements	EEX3331	Electrical measurements and instrumentation
		EEX4331	Circuit Theory and Design
EEX3532	Electrical Power	EEX4332	Electrical Power
EEX4530	Fault Diagnosis in Electronic Circuits		None
EEX4350	Electronics II	EEX4351	Electronics II
EEX4533	Communication	EEX4330	Communications
EEX4534	Electrical Installations	EEX4434	Electrical Installations
EEX4535	Data Structures and Algorithms	EEX4435	Data Structures and Algorithms
EEX4536	Microprocessors and Interfacing	EEX4436	Microprocessors and Interfacing
EEX4547	Software Engineering	EEX4347	Software Engineering
		EEX3417	Software Development for Engineers
EEX4548	Electrical Machines	EEX4448	Electrical Machines
EEX4552	Power Systems I	EEX4542	Power Systems I
EEX4562	Object Oriented Design and Programming	EEX4362	Object Oriented Design and Programming
EEX5531	Network theory	EEX7231	Advanced circuit design and analysis
EEX5533	Communication Theory & Systems	EEX5333	Communication Theory & Systems
EEX5534	Data Communications	EEX5434	Data Communications & Networking
EEX5535	Operating systems	EEX5335	Operating Systems
EEX5536	Computer Architecture	EEX5536	Computer Architecture
EEX5538	High voltage engineering and electrical machines	EEX5338	High voltage engineering
EEX5543	Physical & Opto Electronics	EEX6253	Physical & Opto Electronics
EEX5545	Database management systems	EEX3266	Information Systems and Data Management
		EEX4366	Data Modelling and Database Systems
EEX5547	Group work in software development	EEX4181	Group Project (Computer Engineering)
EEX5832	Power Systems II	EEX5352	Power Systems II
EEX5567	Software Testing and Quality Assurance	EEX5467	Software Testing and Quality Assurance
EEX6351	Digital Electronic systems	EEX5351	Digital Electronic Systems
EEX6534	Digital Signal Processing	EEX7434	Digital Signal Processing
EEX6535	Compiler Design	EEX6335	Compiler Design
EEX6536	Processor design	EEX7436	Processor Design
EEX6539	Wireless Communication	EEX6339	Wireless Communication
EEX6540	Knowledge engineering	EEX7340	AI Techniques & Agent Technology
		EEX7241	Neural Networks & Fuzzy Logic Applications
EEX6541	Field Theory	EEX6441	Electromagnetism & Wave Propagation
EEX6542	Modern Control Systems	EEX7342	Advanced Control Engineering

Course of the Interim Curriculum		Course of the Revised Curriculum	
EEX6550	Analog Electronic Systems	EEX6450	Analog Electronic Systems & Instrumentation
EEX6543	Microwave Engineering & Applications	EEX7333	Microwave Devices & Antennas
EEX6832	Power systems planning	EEX7432	Power systems planning operations and control
EEY6D95	Individual project - Type B (Computer, Electrical, Electronic and Communication)	EEY7881	Engineering Research Project (Computer Engineering) or
		EEY7882	Engineering Research Project (Electrical Engineering) or
		EEY7883	Engineering Research Project (Electronics & Communication Engineering)
EEY6A96	Group project (Computer, Electrical, Electronic and Communication)	EEY7881	Engineering Research Project (Computer Engineering) or
		EEY7882	Engineering Research Project (Electrical Engineering) or
		EEY7883	Engineering Research Project (Electronics & Communication Engineering)
EEW3001	Industrial Training I (Electronics)	EEW4301	Industrial Training I (Electronics) or
		EEW4403	Industrial Training I (Electronics & Communications)
EEW4001	Industrial Training II (Software)	EEW5501	Industrial Training (Computer)
EEW4002	Industrial Training II (Power)	EEW4502	Industrial Training II (Electrical Power)
EEW4003	Industrial Training II (Communication)	EEW5403	Industrial Training II (Electronics & Communications)
EEW5001	Industrial Training II (Software-undergraduate)	EEW5501	Industrial Training (Computer)
EEW5002	Industrial Training II (Power-undergraduate)	EEW6502	Industrial Training II (Electrical Power-undergraduate)
EEW5003	Industrial Training II (Communication-undergraduate)	EEW5403	Industrial Training II (Electronics & Communications)

Courses offered by the Department of Mechanical Engineering

Course of the Interim Curriculum		Course of the Revised Curriculum	
DMX3511	Communicating Engineering Information	DMX3305	Engineering Design Graphics
		AGM3203	Communication Skills
DMK3589	Computer Aided Drafting		None
DMX3512	Basic Thermo-Fluids	DMX3401	Fluid Mechanics and Thermodynamics
DMX3533	Workshop Technology	DMX3206	Introduction to Manufacturing processes
		DMX3203	Introduction to Engineering Materials
DMX3534	Engineering Drawing	DMX4201	Advanced Engineering Design Graphics
DMX3535	Thermo-Fluids	DMX3401	Fluid Mechanics and Thermodynamics
DMX3572	Applied Electronics	DMX3304	Applied Electronics
DMX3573	Modelling of Mechatronics Systems		None
DMX3574	Electronics, sensors and actuators	DMX3304	Applied Electronics
DMX3374	Principles of Design		None
DMK3370	C Programming	EEX3417	Software Development for Engineers
DMW3001	Workshop Practice	DMX3107	Workshop Practice
DMX4335	Production Management		None
DMX4342	Applied Automotive Electronics	DMX5209	Automotive Electronics
DMX4530	Production Technology	DMX4212	Manufacturing Engineering
DMX4532	Automobile Technology	DMX4208	Automobile Technology
DMX4533	Materials Engineering	DMX3203	Introduction to Engineering Materials
		DMX5204	Materials Engineering
DMX4543	Control Systems Engineering	DMX5403	Control Systems Engineering
DMX4571	Sensors and Actuators	DMX4409	Sensors
		DMX4410	Electrical & Pneumatic Machines
DMX4572	Vibration and Fault Diagnosis	DMX4204	Machine Dynamics
DMX4573	Mechatronics Product Design	DMX5316	Mechatronics Product Design
DMX4575	Strength of Materials I	DMX4205	Strength of Materials I

Course of the Interim Curriculum	Course of the Revised Curriculum
DMX4576 Mechanics of Machines	DMX3302 Engineering Mechanics
	DMX4204 Machine Dynamics
DMX4835 Applied Mechanics and Strength of Materials	DMX3302 Engineering Mechanics
	DMX4204 Machine Dynamics
	DMX4205 Strength of Materials I
DMX5531 Applied Thermodynamics	DMX4202 Applied Thermodynamics I
	DMX5205 Applied Thermodynamics II
DMX5532 Strength of Materials II	DMX5302 Strength of Materials II
DMX5533 Dynamics of Mechanical Systems	DMX5201 Advanced Engineering Mechanics
DMX5570 Power Electronics & Motor Drives	DMX5313 Power Electronics & Motor Drives
DMX5571 Machine Vision	DMX5314 Machine Vision
DMX5572 Materials & Manufacturing Technology	DMX3203 Introduction to Engineering Materials
	DMX3206 Introduction to Manufacturing Processes
DMX5577 Machine Design	DMX4306 Design of Machine Elements
	DMX5307 Mechanical Engineering Design Project
DMM5836 Management for Engineers	AGM4307 Economics and Marketing for Engineers
	CVM5401 Accounting for Engineers
	DMM6601 Management for Engineers
DMK5501 Computer Aided Drafting and Modeling	None
DMX6570 Factory Automation	DMX7304 Factory Automation
DMX6571 Robotics	DMX7303 Control of Robotic Manipulators
DMX6573 Advanced Control Engineering	DMX5315 Artificial Intelligence
	DMX6306 Modern Control Systems
	DMX7306 Intelligent Control Systems
DMX6530 Mechanics of Materials	None
DMX6531 Automobile Engineering	DMX5208 Automobile Engineering
DMX6532 Vehicle Dynamics	DMX5210 Vehicle Dynamics and Design of Automotive components
DMX6534 Advanced Manufacturing Technology	DMX5212 Computer Aided Design and Manufacturing
DMX6535 Thermal Power Generation	DMX7301 Thermal Power Generation
DMX6536 New and Renewable Sources of Energy	DMX7305 Renewable Sources of Energy
DMX6540 Industrial Engineering	DMX6301 Industrial Engineering
DMX6578 Fluid Mechanics	DMX4203 Applied Fluid Dynamics I
	DMX5206 Applied Fluid Dynamics II
DMY6397 Project Identification and Literature Survey	None
DMY6A98 Individual Project Type A (Mechanical)	DMY7880 Engineering Research project (Mechanical)
DMY6D95 Individual Project Type B(Mechanical)	DMY7880 Engineering Research Project (Mechanical)
DMY6A96 Group Project (Mechanical)	DMY7880 Engineering Research project (Mechanical)
DMY6D73 Mechatronic Product Design Project (Individual)	DMY7881 Engineering Research Project (Mechatronics)
DMY6A74 Mechatronic Product Design Project (Group)	DMY7881 Engineering Research Project (Mechatronics)
DMW4002 Industrial Training I(Mechanical)	DMW4801 Industrial Training (Mechanical -Diploma)
DMW5002 Industrial Training II (Mechanical)	DMW6801 Industrial Training (Mechanical - Undergraduate)
DMW4003 Industrial Training I(Mechatronics)	DMW4802 Industrial Training (Mechanical -Diploma)
DMW5003 Industrial Training II (Mechatronics)	DMW6802 Industrial Training (Mechanical - Undergraduate)

Courses offered by the Department of Textile and Apparel Technology

Course of the Interim Curriculum	Course of the Revised Curriculum
TAX3531 Fibre science and technology	TAX3458 Fibre Science and Technology
TAX3532 Yarn manufacture I	TAX3459 Yarn Manufacture I

Course of the Interim Curriculum		Course of the Revised Curriculum	
TAX3539	Garment analysis and sewing machinery	TAX3331	Garment Analysis and Sewing Machinery
TAI3536	Fabric structure and analysis	TAX5648	Fabric Structure and Analysis
TAI3541	Production planning and organization	TAX4438	Production Planning and Organization
TAX4533	Quality assurance for textiles and clothing	TAX4539	Quality Assurance for Textiles and Clothing
TAX4534	Textile colouration and finishing	TAX4571	Textile Colouration and Finishing
TAX4538	Garment manufacture	TAX4540	Garment Manufacture
TAX4560	Woven fabric technology	TAX4560	Woven Fabric Technology
TAM4539	Management studies	TAM3234	Basics of Human Resource Management
		TAM3535	Management Studies
TAX5532	Yarn and fabric mechanics	TAX7464	Yarn and Fabric Mechanics
TAX5534	Plant utilities	TAX5547	Plant Utilities
TAX5560	Pattern development	TAX4462	Pattern Development
TAX5562	Knitting technology	TAX4361	Knitting technology
TAM5861	Textile management and merchandising	AGM4307	Economics and Marketing for Engineers
		DMM6601	Management for Engineers
TAX6533	Technical textiles	TAX6454	Technical Textiles
TAM6335	Textile product engineering	TAX6263	Textile Product Engineering
TAX6539	Ergonomics	TAX6556	Ergonomics
TAX6560	Advanced woven fabric technology	TAX7369	Engineering Aspects of Weaving
		TAX6265	Advanced Weaving Preparation and Machinery
TAX6561	Yarn manufacture II	TAX6366	Yarn Manufacture II
TAX6362	Advanced colouration	TAX6367	Advanced Colouration
TAX6563	Specialty fabrics	TAX7368	Specialty Fabrics
TAX6564	Nonwoven textiles	TAX5349	Nonwoven Textiles
TAY6D95	Individual project-Type B (Textile and Apparel)	TAY7880	Engineering Research Project (Textile and Clothing Engineering)
TAY6397	Project identification and literature survey	TAY7880	Engineering Research Project (Textile and Clothing Engineering)
TAY6A98	Individual project -Type A (Textile and Apparel)		
TAW4001	Industrial training (Apparel I)	TAW4401	Specific Training I (Apparel)
TAW5003	Industrial training (Yarn manufacture)	TAW5403	Specific Training II (Yarn Manufacture)
TAW5004	Industrial training (Weaving)	TAW5404	Specific Training II (Weaving)
TAW5005	Industrial training (Chemical processing)	TAW5405	Specific Training II (Chemical Processing)
TAW5006	Industrial training (Knitting)	TAW5406	Specific Training II (Knitting)

Courses offered by the Department of Mathematics and Philosophy of Engineering

Course of the Interim Curriculum		Course of the Revised Curriculum	
MHZ3531	Engineering mathematics 1A	MHZ3551	Engineering Mathematics I
MHZ3332	Engineering mathematics 1B	MHZ3552	Engineering Mathematics II
LLJ3360	Introduction to Laws of Sri Lanka	LLJ3245	Introduction to Laws of Sri Lanka
MHZ4530	Engineering Mathematics II	MHZ4553	Engineering Mathematics III
MHZ4340	Discrete Mathematics I	MHZ4256	Mathematics for Computing
MHZ5530	Engineering Mathematics III	MHZ5554	Engineering Mathematics IV
MHZ5340	Discrete Mathematics II	MHZ5355	Discrete Mathematics
MHIJ5533	Technology, Society and Environment	MHIJ5342	Technology, Society and Environment
MHIJ5531	Nature of Science	MHIJ5343	Nature of Science

Courses of Bachelor of Industrial Studies Honours Study Programme

Courses offered by the Department of Agricultural and Plantation Engineering

Course of the Interim Curriculum		Course of the Revised Curriculum	
AGI3534	Agricultural Biology I	AGI3551	Agricultural Biology
AGI3535	Land and Soil Tillage Management	AGI3450	Land and soil Tillage Management
AGI3536	Postharvest biology and Technology I	AGI4561	Postharvest Biology and Technology
AGX4539	Crop Production and Farming System	AGI3552	Crop Production Technologies
ADU3318	Bio Statistics	MHZ4357	Applied Statistics
AGZ3538	Mathematics for Agriculture	MHZ3458	Mathematics for Agriculture
AGJ4533	Rural Sociology	AGJ6381	Rural Sociology
AGX4530	Integrated Crop Protection	AGI3553	Plant Protection
AGX4540	Plant and Soil Science	AGX4356	Soil Science
ADU4319	Design and Analysis of Experiments	AGZ5367	Experimental Design
AGX4531	Food and Nutrition	AGI4559	Food and Nutrition
AGX4537	Irrigation and Drainage Engineering	AGI4555	Irrigation and Drainage Engineering
AGM4535	Agricultural Marketing	AGM4363	Agricultural Marketing
AGI4538	Agricultural Biology II	AGI5471	Animal Biology
AGM4534	Agricultural Economics and Management	AGM5475	Economics and Management
AGX4532	Soil and Water Conservation	AGX6490	Soil and Water Conservation
AGX5543	Farm Power and Machinery	AGI5364	Farm Power and Machinery
AGX5532	Soil Plant and Water Relationship	AGX5565	Soil Plant and Water Relationship
AGX6535	Hydrology and water Resources	AGI6478	Hydrology and Water Resources
AGJ5540	Indigenous Knowledge of Herbal Products	AGJ5368	Indigenous Knowledge of Herbal Products
AGM5546	Agricultural Extension	AGM6379	Agricultural Extension
AGI5530	Fisheries and Aquaculture	AGI5572	Fisheries and Aquaculture
AGI5541	Agricultural Biotechnology	AGI5569	Molecular Biology and Biotechnology
AGI6238	Fruit Crop and Cut Flower Production	AGI5274	Fruit Crop and Cut Flower Production
AGX6534	Environmental Control In Farm Structures	AGI4362	Environmental Agriculture
AGY6D96	Individual Project (Agriculture)	AGY6880	Individual Project (Agriculture)
AGI6539	Animal husbandry and Production	AGI4460	Animal Husbandry and Production
AGI6232	Ground water resources management	AGX6283	Ground Water resources Management
AGI6237	Impact of Climate Change on Water resources	AGX6284	Impacts of Climate Change on Water Resources
AGX6536	Food Processing	AGI6582	Food Processing
AGI6550	Advanced Biotechnology	AGI6585	Applications in Biotechnology
AGW4002	Industrial Training I (Agriculture)	AGW4401	Specific Training I
AGW5002	Industrial Training II (Agriculture)	AGW5401	Specific Training II

Courses offered by the Department of Textile and Apparel Technology

Course of the Interim Curriculum		Course of the Revised Curriculum	
TAX3531	Fibre science and technology	TAX3458	Fibre Science and Technology
TAX3532	Yarn Manufacture I	TAX3459	Yarn Manufacture I
TAX3534	Textile preparation	TAX3370	Textile Preparation
TAX3537	Fibre to fabrics	TAX3530	Fibre to Fabrics
TAX3539	Garment analysis and sewing machinery	TAX3331	Garment Analysis and Sewing Machinery
TAI3536	Fabric structure and analysis	TAX5648	Fabric Structure and Analysis
TAI3538	Garment accessories	TAI3332	Garment Accessories
TAI3540	Pattern construction	TAI3533	Pattern Construction
TAI3541	Production planning and organisation	TAX4438	Production Planning and Organisation
TAI3342	Concept of fashion	TAI4371	Concept of Fashion

Course of the Interim Curriculum		Course of the Revised Curriculum	
TAI3543	Concepts of fashion design	TAI4472	Concepts of Fashion Design
TAJ3346	Fashion illustration I	TAI3270	Fashion Illustration I
TAX4538	Garment manufacture	TAX4540	Garment Manufacture
TAI4545	Process of fashion design	TAI4474	Process of Fashion Design
TAX4532	Textile colouration	TAX5551	Textile Colouration
TAX4533	Quality assurance for textiles and clothing	TAX4539	Quality Assurance for Textiles and Clothing
TAX4534	Textile colouration and finishing	TAX4571	Textile Colouration and Finishing
TAX4542	Knitted garment technology	TAX4441	Knitted Garment Technology
TAX4560	Woven fabric technology	TAX4560	Woven Fabric Technology
TAZ4541	Statistics for industrial studies	MHZ3576	Statistics for Industrial Studies
TAJ4547	Fashion Illustration II	TAI4373	Fashion Illustration II
TAM453 9	Management studies	TAM3234	Basics of Human Resource Management
		TAM3535	Management Studies
TAX5532	Yarn and fabric mechanics	TAX7464	Yarn and Fabric Mechanics
TAX5534	Plant utilities	TAX5547	Plant Utilities
TAX6565	Fabric technology	TAX6455	Fabric Technology
TAX6564	Non woven textiles	TAX5349	Non Woven Textiles
TAX6537	Speciality fabrics	TAX7368	Speciality Fabrics
TAX5562	Knitting technology	TAX4361	Knitting Technology
TAI5538	Advanced pattern construction	TAI4442	Advanced Pattern Construction
TAI5339	Current topics in textiles and clothing	TAI5246	Current Topics in Textiles and Clothing
TAI5543	Principles of fashion design	TAI5552	Principles of Fashion Design
TAI5345	Foundation garments	TAI4243	Foundation Garments
TAI5346	Industrial garment washing and finishing	TAI4344	Industrial Garment Washing and Finishing
TAI5348	Design through draping	TAI5375	Design Through Draping
TAI5354	Computer aided pattern drafting	TAI5376	Computer Aided Pattern Drafting
TAI5359	Computer aided fashion illustration	TAI5277	Computer Aided Fashion Illustration
TAI5563	Fashion design development	TAI5478	Fashion Design Development
TAZ5544	Quantitative techniques	MHZ5570	Quantitative Techniques
TAM554 0	Apparel merchandising	TAM4445	Apparel Merchandising
		TAJ5342	History & traditions of clothing
TAJ5342	History & traditions of clothing	TAJ5353	History & Traditions of Clothing
TAX6533	Technical textiles	TAX6454	Technical Textiles
TAX6335	Textile product engineering	TAX6263	Textile Product Engineering
TAX6539	Ergonomics	TAX6556	Ergonomics
TAX6560	Advanced woven fabric technology	TAX7369	Engineering Aspects of Weaving
		TAX6265	Advanced Weaving Preparation and Machinery
TAX6561	Yarn manufacture II	TAX6366	Yarn Manufacture II
TAX6362	Advanced colouration	TAX6367	Advanced Colouration
TAX6563	Speciality fabrics	TAX7368	Speciality Fabrics
TAI6869	Visual presentation and exhibition design	TAI5579	Theoretical Aspects of Visual presentation and exhibition design
TAI6549	Fashion show production	TAI6580	Fashion Show Production
AM6540	Fashion marketing	TAM6457	Fashion Marketing
TAY6D9 5	Individual project-Type B (Textile and Apparel)	TAY6882	Research Project (Apparel Production) or
		TAY6883	Research Project (Textile Manufacture)
TAY6390	Inspiration of fashion design	TAY5284	Inspiration of Fashion Design
TAY6A91	Creative fashion design	TAY6885	Creating and Exhibiting Fashion Products
TAY6397	Project identification and literature Survey	TAY6882	Research Project (Apparel production) or

Course of the Interim Curriculum		Course of the Revised Curriculum	
TAY6A98	Individual project -Type A (Textile and Apparel)	TAY6883	Research Project (Textile Manufacture)
TAW4001	Industrial training (Apparel I)	TAW4401	Specific Training (Apparel)
TAW4002	Industrial training (Fashion)	TAW4402	Specific Training I(Fashion)
TAW5001	Industrial training (Apparel II)	TAW5401	Specific Training II(Apparel)
TAW5002	Industrial training (Fashion design and product development)	TAW5402	Specific Training II (Fashion Design and Product Development)
TAW5003	Industrial training (Yarn manufacture)	TAW5403	Specific Training II (Yarn Manufacture)
TAW5004	Industrial training (Weaving)	TAW5404	Specific Training II(Weaving)
TAW5005	Industrial training (Chemical processing)	TAW5405	Specific Training II (Chemical Processing)
TAW5006	Industrial training (Knitting)	TAW5406	Specific Training II(Knitting)

Courses offered by the Department of Mathematics and Philosophy of Engineering

Course of the Interim Curriculum		Course of the Revised Curriculum	
LLJ3360	Introduction to Laws of Sri Lanka	LLJ3245	Introduction to Laws of Sri Lanka
MHJ5533	Technology, Society and Environment	MHJ5342	Technology, Society and Environment
MHJ5531	Nature of Science	MHJ5343	Nature of Science

Courses of Bachelor of Software Engineering Honours Study Programme

Course of the Interim Curriculum		Course of the Revised Curriculum	
EEX5563	Computer organization and operating systems	EEX5563	Computer organization and operating systems
EEI5361	Human computer interaction	EEI4361	User Experience Engineering
EEI5567	Software quality assurance and testing	EEI5467	Software Testing and Quality Assurance
EEI5566	Advanced database systems	EEI5466	Advanced Database Systems
EEI5565	Software construction	EEX6363	Compiler Construction
MHZ5360	Discrete mathematics II	MHZ5355	Discrete Mathematics
MHJ5563	Technology, society and environment	MHJ5342	Technology, Society and Environment
EEM5860	Management and professional issues	AGM4307	Economics and Marketing for Engineers
		CVM5401	Accounting for Engineers
		DMM6601	Management for Engineers
EEX6563	Software construction	EEX6363	Compiler Construction
EEI6560	Software project management	EEI6360	Software Project Management
EEI6567	Software architecture and design	EEI6567	Software architecture and design
EEI6565	Artificial intelligence techniques	EEX6340	AI Techniques and Agent Technology
		EEX6278	Neural Networks and Fuzzy Logic Applications
EEY6A89	Group Project (Software Engineering)	EEY6A89	Final Project - Software Engineering
		EEY4189	Software Design in Group
EEW4080	Specific Training I (Software Engineering)	EEW5811	Industrial Training - Software
EEW4081	Specific Training II (Software Engineering)		
EEW5011	Industrial Training Module (Software Engineering)	EEW5811	Industrial Training - Software

Compiled by the Faculty Registration Committee - 2023/2024

Name	Department
Snr. Prof. T. M. Pallewatta (Chairman)	Head of the Department of Civil Engineering
Mr. P. K. J. de Mel	Department of Agricultural & Plantation Engineering
Mr. D. I. Fernando	Department of Civil Engineering
Mr. K. A. R. D. Gunaratne	Department of Electrical & Computer Engineering
Mr. M. Warushawithana	Department of Mathematics & Philosophy of Engineering
Dr. R. L. K. Lokuliyana	Department of Mechanical Engineering
Mrs. T. P. G. N. T. Alwis	Department of Textile & Apparel Technology
Mr. Wijikumar Kularasasingam	Assistant Registrar /Faculty of Engineering Technology

Disclaimer : The Information in this document is based on the Status as of 2023 Dcember. Some changes may occur under Faculty Board approval.