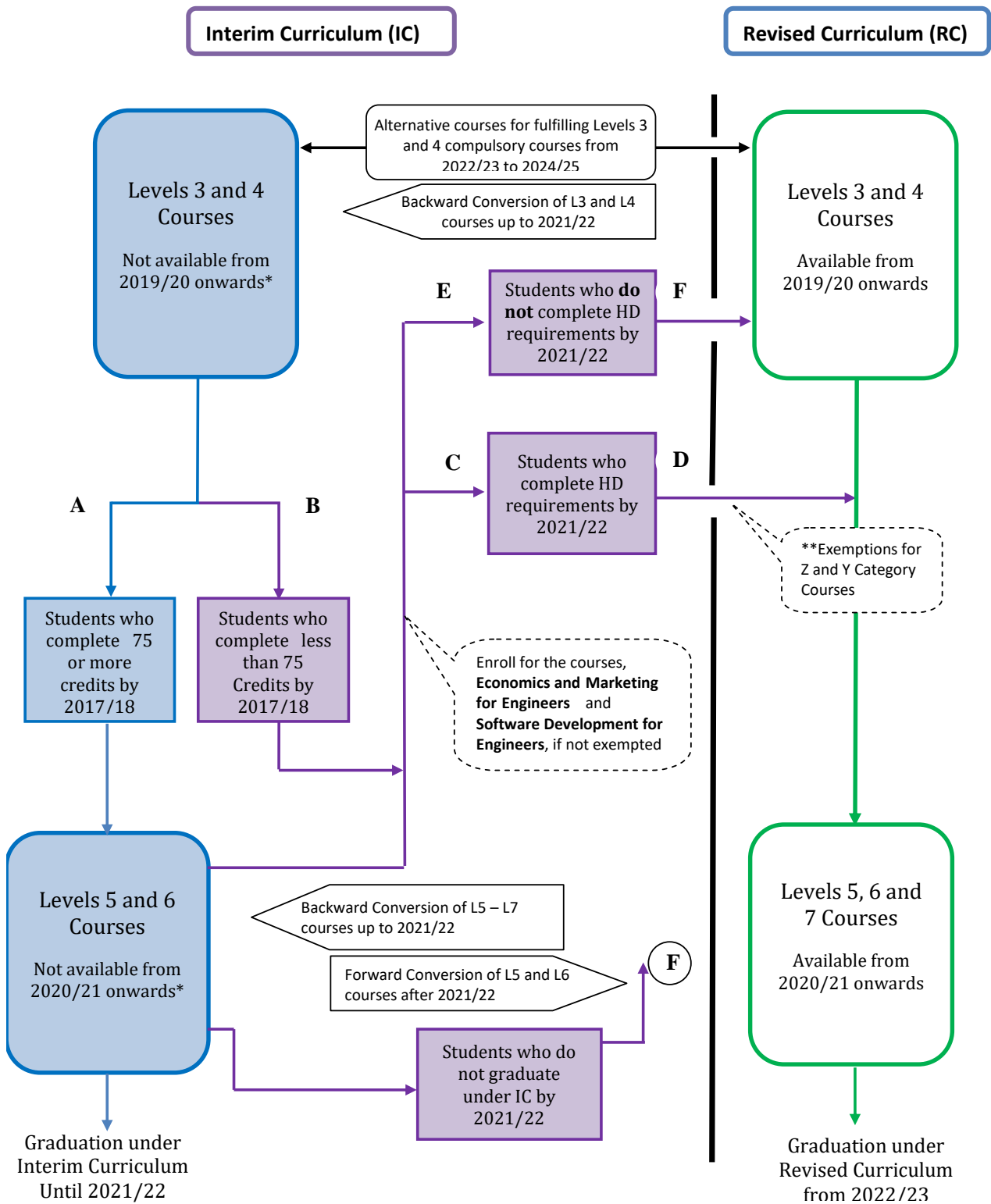


Time schedule of Discontinuation of the Interim Curriculum and Implementation of the Revised Curriculum

	Introduce Levels 3 and 4 courses	Introduce Levels 5, 6, 7 courses		Introduce Industrial Training courses
Academic Year	2019/20	2020/21	2021/22	2022/23
Revised Curriculum (RC)	(A) Offer L3 and L4 courses that are not mapped to the L3 or L4 courses of RC			
	Offer all L5 and L6 courses	(B) Offer L5 and L6 courses that are not mapped to the courses in the RC		
	Offer Industrial Training Modules			
	Discontinue L3 and L4 courses that have equivalent courses in RC	Discontinue L5 and L6 courses that have equivalent courses in RC	Discontinue all courses and Industrial Training Modules	
Final Examinations	All L3 and L4 courses	L3 and L4 courses in (A)	L3 and L4 courses in (A) (Only RE students)	
	All L5 and L6 courses	All L5 and L6 all courses	L5 and L6 courses in (B) (Only RE students)	
Students expected to graduate under IC	(a) Fulfil course requirements for the award of Degree under IC latest by academic year 2021/22			Failing to achieve (a), transfer to RC

Mechanism for absorbing present students in to Revised Curriculum



*Compulsory Courses not mapped with the courses of RC will be offered until 2021/22

**subject to fulfillment of conditions

Awards under the Interim Curriculum

The students contemplating to complete the awards requirements (for Higher Diploma and Degree) under the Interim Curriculum have to complete all course requirements latest by the end of the academic year 2021/22. During this 3 year period (2019/20 – 2021/22), they will have to register for the courses of Revised Curriculum. On successful completion, these courses are converted back to the equivalent courses of the Interim Curriculum (see the course conversion Table). Failing to complete the award requirements under the Interim Curriculum, the students must transfer to the Revised Curriculum in the academic year 2022/23.

Who can complete the Higher Diploma and Degree under the Interim Curriculum?

Faculty does not impose strict rules on who should complete the award requirements under the Interim Curriculum. Theoretically the students who have completed 38 credits could complete the degree requirements over the next 3 academic years (from 2019/20 to 2021/22) under the Interim Curriculum. For this, the students have to register for 38 credits in each year. However, registering for 38 credits every year may not be achievable due to pre-requisites.

As a more practicable choice, the Faculty recommends that who have completed 75 credits or more opt for fulfilling the award requirements under the Interim Curriculum. This does not mean that any student with less than 75 credits cannot obtain the awards under the Interim Curriculum.

Transferring to the Revised Curriculum

Faculty suggests that the students who have less than 75 credits at the end of the academic year 2017/18 shall consider transferring to the new curriculum. **Nevertheless, all the students who will be unable to meet degree award requirements under the Interim Curriculum at the end of the academic year 2021/22 must transfer to the Revised Curriculum.**

The students who fulfil the requirement for the Higher Diploma under the Interim Curriculum up to the end the academic year 2021/22 could consider their successfully completed courses at levels 3 and 4 of the Interim Curriculum as alternative courses to the courses of the Revised Curriculum up to the academic year 2024/25. However, they need to register for the following two courses (of the Revised Curriculum) to fulfil the minimum credits for course categories of Engineering Projects (Y) and Management (M) for the degree.

1. Special Group Project (Level 4, 1 Credit, Y Category course)
2. Economics and Marketing for Engineers (Level 4, 3 Credit, , M Category course)

It is also necessary that the students register for the course Software Development for Engineers (level 3, 4 Credit, X Category course).

Further, these students will get exemptions for the course Engineering Mathematics (Bridging) (Level 3, 2 Credit, Z Category course).

The students who will not complete the award requirements for the Higher Diploma by the end of the academic year 2021/22 (3 academic years from 2019/20) need to register for the courses of the Revised Curriculum that have not been mapped with those of the Interim Curriculum, to meet the award requirements of the Higher Diploma (under the Revised Curriculum). The courses completed under the Interim Curriculum are considered as alternatives to those of the Revised Curriculum.

Industrial Training

Present students will continue to offer industrial training modules of the Interim Curriculum up to the academic year 2021/22.

Key changes in the Revised Curriculum for Bachelor of Technology Honours in Engineering Study Programme

Please note that this information is not applicable if you complete the awards requirement under the Interim Curriculum before 2021/22.

(1) Category-wise and level-wise minimum credit requirements for the awards

Course Credits Requirements for the Award of Bachelor of Technology Honours in Engineering Degree

Course Category	Letter denoting category	Minimum SLQF credits	Maximum SLQF credits
Engineering	X	90 Subject to a minimum of 40 at Level 5 or above, of which at least 5 at Level 7	95 Subject to a minimum of 40 at Level 5 or above, of which at least 5 at Level 7
Engineering projects	Y	9 of which at least 8 at Level 7	14 of which at least 8 at Level 7
Engineering 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	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 20 at Level 7	

Course Credits Requirements for the Award of the Higher Diploma in an Approved Discipline

Course Category	Letter denoting category	Minimum SLQF credits	Maximum SLQF 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	J	0	5
Management	M	5 at Level 3 or 4	7 at Level 3 or 4
Industrial Training	W	8	8
Total		74 Subject to a minimum of 30 at Level 4	

(2) Criteria of Computing Grade Point Average (GPA)

The GPA under the Revised Curriculum shall be computed by considering the courses at levels 4, 5, 6 and 7 totaling 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
- (3) Compulsory courses at level 4

In a situation, where exactly ninety (90) credits cannot be obtained, the courses shall be selected to the nearest value below ninety (90), and the remainder credit shall be taken as a Part Credit of the next course.

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

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

(3) 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 Technology Honours in Engineering shall be required to have:

- Obtained passes in the subjects, Combined Mathematics, Physics and Chemistry at the General Certificate of Education (Advanced Level) Examination, Sri Lanka, in one sitting or
- Completed foundation courses equivalent to the subjects listed in above offered by The Open University of Sri Lanka, or
- Obtained an equivalent or higher qualification acceptable to the Senate

Conversions Applicable for Curriculum Change in 2019/20

Following Tables give the equivalent course/s of the Revised Curriculum to those of the Interim Curriculum. As levels 3 and 4 courses of the Interim Curriculum are not available from the academic year 2019/20 onwards, and levels 5 and 6 courses from the academic year 2020/21 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 next 3 academic years (2019/20 – 2021/22).

Please note that 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 Technology 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

Course of the Interim Curriculum		Course of the Revised Curriculum	
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 & Management	CVX6546	Construction Engineering & 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

Course of the Interim Curriculum	Course of the Revised Curriculum
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
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)

Course of the Interim Curriculum	Course of the Revised Curriculum
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 Modeling 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	DMX3101 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
DMX4576 Mechanics of Machines	DMX3302 Engineering Mechanics
	DMX4204 Machine Dynamics

Course of the Interim Curriculum		Course of the Revised Curriculum	
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)

Course of the Interim Curriculum	Course of the Revised Curriculum
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
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	None
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 coloration	TAX6367 Advanced coloration
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)

Course of the Interim Curriculum		Course of the Revised Curriculum	
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
MHJ5533	Technology, Society and Environment	MHJ5342	Technology, Society and Environment
MHJ5531	Nature of Science	MHJ5343	Nature of Science