



# BACHELOR OF SOFTWARE ENGINEERING HONOURS

Student Guidebook

2024/25



Centre for IT Education Services(CITES)

Department of Electrical and Computer Engineering

Faculty of Engineering Technology

The Open University of Sri Lanka



# Bachelor of Software Engineering Honours

Student Guidebook 2024/2025

Department of Electrical and Computer Engineering  
Faculty of Engineering Technology  
The Open University of Sri Lanka

*“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.”*

## Message from the Dean



It gives me great pleasure to warmly welcome you to our industry-oriented degree programme in Software Engineering. The Department of Electrical and Computer Engineering at the Faculty of Engineering Technology, introduced Bachelor of Software Engineering Honours (BSEHons) degree programme in 2009. We are pleased to announce the 15th intake for the academic year 2024/2025. BSEHons degree programme is the first of its kind to be offered in Sri Lanka. We increased the intake in 2021, and the Centre for Information Technology Education Services (CITES) is now in charge of delivering the programme. Currently, there are over 2000 students at levels 3 to 6 in the programme.

The programme was developed to meet industry demands and is compliant with IEEE/ACM curriculum guidelines, ensuring that it meets international standards. Currently, our graduates are employed globally in various capacities. One of the key benefits of pursuing a degree programme at the Open University of Sri Lanka (OUSL), is the ability to study while working, which offers a industry exposure to inhouse learning. This type of learning is a hallmark of our delivery method – Open and Distance Learning (ODL). You can always count on our committed academic and supportive staff to assist you in achieving your goal of obtaining a degree in Software Engineering.

During your studies, you will engage in a variety of activities such as, assignments, mini-projects, case studies, etc., all of which, if completed on time, will allow you to graduate in four years. You will receive easily understood, well-written course materials in the first two years to support your learning process. Additionally, a well-designed Learning Management System (LMS) facilitates the delivery of all courses in the programme. Another benefit of pursuing a degree at OUSL is that you won't need to travel frequently to the main campus at Nawala, thanks to its well-established island-wide network where an identified set of activities will be conducted at regional and study centres.

Along with working towards your degree, you also have the opportunity to obtain a Higher Diploma in Software Engineering, an intermediate credential that enable you to continue your education while finding an appropriate industry placement. All these benefits are offered at an affordable rate that you will not find anywhere else.

During your studies, you can also participate in extracurricular activities. This is your chance to brighten your future at OUSL and have an enriching student-life.

Dr. L.S.K. Udugama

Dean, Faculty of Engineering Technology



## Important information

Registration for the Academic Year 2024/2025

*Application period : 01 Sept, 2024 to 05 Oct, 2024*  
*Application fee : Rs. 750*  
*Awareness sessions : 12 Sept. @2.00 pm Onsite, Colombo Regional Centre*  
*Sept 8@7pm, Sept. 27 @7 pm online,*  
*(Links to join the on-line sessions are given in the web page)*

*Exemption application date: 24 Oct, 2024*

*Selection Test date : 20 Oct, 2024*

*Time : 9am -11am*

*Venue : at OUSL Regional Centres and Study Centres*

## Time schedule for student registration (Tentative)

Bachelor of Software Engineering Honours		
Type of Registration	Centres	Dates
New Registration	All Regional Centres & All Study Centres	17,18,19 Dec 2024
Re-Registration	All Regional Centres & All Study Centres	15,18,19,20 Mar 2025
Add / Drop Courses	All Regional Centres & All Study Centres	22 April 2025
Drop Courses only	All Regional Centres & All Study Centres	6 May 2025

### Important Dates (Tentative)

Activity	Centres	Date
Commencement of StART@OUSL	At all Regional Centres and On-line	Jan 2025
Commencement of Academic Activities		25 March 2025
Last date for requesting exemption for entry qualification		24 October 2025
Last date for claiming approved exemptions	Colombo Regional Centre	20 May 2025
Last date for obtaining studentship	All Regional Centres & All Study Centres	01 Aug 2025
Last date for the applying for the Award of the Degree, Higher Diploma	online	Within one month of Final Exam Results released. Exact date will be announced in the web page of Faculty of Engineering Technology

### On-line submission of application forms

Applicants should submit applications on-line via the university website (<https://reginfo.ou.ac.lk/applyonline/>). Relevant payment could be made online through Debit/Credit cards or at any Regional or a Study Centre of OUSL.

### Exemptions

A list of qualifications presently recognised by the OUSL for granting exemptions is given in Appendix 1 of this Guidebook. If you possess **any other qualification**, which you think would entitle you to obtain exemptions for any course(s), you should apply for its evaluation, using the **prescribed form** obtainable from the Faculty of Engineering Technology website.

*Any Qualification claimed in lieu of A/L must be equivalent to SLQF Level 2, two-year full-time course.*

### ***University Holidays***

*Thai Pongal Day*

*Independence Day*

*Sinhala and Tamil New Year Day*

*May Day*

*Vesak Poya Day*

*Holy Prophet's Birthday*

*Christmas Day*

*Other than on University holidays, activities may be held on any other day of the year.*





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## About the University

### ***The Open University of Sri Lanka***

The Open University of Sri Lanka (OUSL) is the only recognised university in Sri Lanka where students can pursue further education by distance education techniques in keeping with the philosophy of Open and Distance Learning.

The OUSL has the same legal and academic status as the other national universities in Sri Lanka. It was set up by the Government of Sri Lanka under the Universities Act No. 16 of 1978, for the purpose of providing higher educational opportunities to working adults.

The OUSL consists of six academic faculties:

- Faculty of Engineering Technology
- Faculty of Natural Sciences
- Faculty of Humanities and Social Sciences
- Faculty of Education
- Faculty of Health Sciences
- Faculty of Management Studies

There are nine Regional Centres in Anuradhapura, Badulla, Batticaloa, Colombo, Jaffna, Kandy, Kurunegala, Matara, and Rathnapura and 19 Study Centres spread throughout the country.

### ***Faculty of Engineering Technology***

The Faculty of Engineering Technology is a pioneer among all academic institutions in the world, in the delivery of undergraduate programmes in Engineering in distance mode.

The Faculty of Engineering Technology offers its own programmes of study leading to

Certificates, Advanced Certificates, Higher Diplomas, Degrees, Postgraduate Diplomas and Degrees in different specialisations.

The faculty consists of six academic departments: Agricultural and Plantation Engineering, Civil Engineering, Electrical and Computer Engineering, Mathematics and Philosophy of Engineering, Mechanical Engineering, and Textile and Apparel Technology.

The faculty also has a multi-disciplinary Engineering Research Unit (ERU) dedicated to enhancing research in the faculty.

### ***Department of Electrical and Computer Engineering***

The Department of Electrical and Computer Engineering offers the Bachelor of Software Engineering Honours (BSEHons) degree programme. In addition to BSEHons, it conducts study programmes leading to the award of Higher Diploma in Technology, Bachelor of Science Honours in Engineering and research degrees in three specialisations: Computer Engineering, Electrical Engineering, and Electronic and Communication Engineering. The main focus of the Department is to provide a flexible curriculum in fundamental and advanced topics in the above specialisations for producing well qualified, workforce-ready graduates prepared to overcome national as well as international challenges. The department will be offering a Masters programme and a MSc programme in Data Science from 2025.

Every year the Department produces a large number of well qualified graduates. Our past graduates are employed by both the government and private sector organisations as well as international companies locally and abroad. Many of them occupy top level positions in their respective fields. Undergraduate students have published research papers in international forums and journals and have brought value and credit to the Department of Electrical & Computer Engineering as well as to the OUSL. Students have won several awards for their engineering projects in competitions organised by IESL, SLAAS and other universities often competing against students from engineering faculties of other universities and higher educational institutes. They have also won first place in several international competitions.

The Department is served by well qualified dedicated academic and non-academic staff. The Centre for IT Education Services (CITES) is delivering the BSEHons programme under the guidance of the Department.

### ***Centre for IT Education Services (CITES)***

The Centre for Information Technology Education Services was established in 2021 to facilitate a large intake of students for several computing degrees and administer the delivery of courses offered by different Faculties in OUSL. The Centre was established with seed funding from AHEAD until permanent facilities were put in place.

The CITES facilitates the delivery of courses in Bachelor of Software Engineering Honours degree programme. CITES functions as a facilitator between the students and staff involved in delivery of BSEHons degree and the university.

### ***Bachelor of Software Engineering Honours (BSEHons) Programme***

We are proud to announce that the Bachelor of Software Engineering programme of the OUSL is the first-ever UGC approved, industry-oriented software engineering programme offered by a local university.

Software Engineering has become one of the major computing disciplines today. In the early days, it was a discipline within Computer Science. Over the years it has evolved to what it is today and gained prominence as the foundation of all software systems. The Joint Task Force of The IEEE Computer Society and Association for Computing Machinery (ACM), after several years of research, has developed guidelines for such degrees, and today these guidelines are used worldwide for developing Software Engineering degree programmes.

Software Engineering is the discipline where you learn to design, develop and maintain software systems that are reliable and efficient while satisfying the requirements of the customers. Software Engineers usually solve problems for customers in different domains outside software engineering – engineering, natural science, social science, finance, business and other similar fields.

The primary focus of the programme is to produce well qualified, industry-ready graduates - Software Engineers - to work in the software industry. To this end, the programme contains a significant number of practical components and provides students the opportunity to work alongside software industry professionals.

### ***Why pursue a BSEHons degree?***

According to recent industry surveys, there is a huge demand for IT specialists in Sri Lanka and in the rest of the world. Software engineering has become a major recruitment criterion in today's software industry. Hence having such an academic qualification will make your future in this industry much brighter. At OUSL, a reputed National University in Sri Lanka, you have an excellent opportunity to earn a well-recognised degree that is well suited for the software industry. After successful completion of the BSEHons degree, you can work either in the software industry or in a division of an institution where design, development and maintenance of software are undertaken.

### ***About programme design***

In developing this programme, we have followed the guidelines provided by the Joint Task Force formulated by two leading computer associations in the world – IEEE Computer Society and ACM. In addition, we have considered the demand and expectations of the IT sector in Sri Lanka. While developing the curriculum and the courses in the programme, we have had the participation and untiring efforts of professionals from reputed software

companies and academics qualified in the software engineering field. The curriculum is continuously updated considering prevailing software industry requirements as well as embedding new developments in the discipline of software engineering. Next major curriculum revision will be effective from the academic year 2025/2026.

On the other hand, it has been recognised that while engaged in studies, working alongside software professionals is essential in order to become a good software engineering graduate. To achieve this objective, students have to work in the software industry. Accordingly, the Sri Lanka Association of Software and Service Companies (SLASSCOM) facilitates students to secure placements in the software industry. The SLASSCOM acts as the catalyst of growth for the Sri Lankan IT and BPO industry by facilitating trade and business, propagation of education and employment, encouragement of research and innovation.

BSEHons is **not** a fully online programme. Many **on-site** activities and workshops will be done though the **day schools and lab practice sessions are done online**. Most of the **lab tests will be done on-site**. **Continuous Assessment Tests and Final examinations** will be done **on-site** at all regional centres and selected study centres.

A student who does not have a laptop/PC must come to the registered OUSL centre and do the lab work and lab tests (*Centres are open from Tuesday to Saturday from 9am to 4pm*).

## **Study Programme Educational Outcomes**

To produce competent Software Engineers;

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

## **Duration**

This is a 4-year specialised degree in software engineering. Maximum number of years a student can take to complete the degree is 12 years.

The Study Programme will be delivered in 2 Semesters and the Final examination will be held at the end of each Semester. However, some courses may span across two Semesters and the Final examination will be held at the end of the second semester in each year.

## **Who should apply?**

This programme is designed to produce qualified graduates for the software industry and for any other sector where the software design, development and maintenance of software systems are carried out. If you are willing to work as a software engineer in an institution where the development and maintenance of software are undertaken, the

BSEHons is the degree programme you are looking for.

Anyone who possesses the following minimum entry qualifications can apply for the Bachelor of Software Engineering Honours degree programme.

- Obtained three passes in General Certificate of Education (Advanced Level) in any 3 subjects (in any number of sittings), excluding General English and General Information Technology subjects **OR**
- Obtained “C” passes in any 3 subjects in Cambridge/Edexcel Advanced Level examination **OR**
- Passes in any three foundation subjects of OUSL or obtained an Advanced certificate offered by OUSL **OR**
- Any other qualification acceptable to the Senate

For any other qualification, you must apply with all supporting documents before the exemption deadline. **(Any other Qualification claimed in lieu of A/L must be equivalent to GCE (A/L) and acceptable to the University)**

## **How to apply**

The online application is available on the main webpage of the university (<https://reginfo.ou.ac.lk/applyonline/>). You have to submit the completed application online. In order to facilitate filling of the application, computer facilities are provided at all centres where registration is done.

If you have prior educational qualifications which are **not listed in the Appendix 1**, you can apply for an evaluation of your qualifications using the prescribed form (Application for Evaluation of Qualifications for Exemptions) downloaded from the faculty web page. The *evaluation form and the detailed documents* should be sent to the Programme Coordinator as mentioned in the form *well before the application closing date*. After this evaluation the faculty will decide whether your qualifications can be considered for granting exemptions.

After application submission is closed, the Selection Test will be held on 20<sup>th</sup> October 2024 from 9am-11am at Regional and Study Centres of OUSL. If any sudden changes take place with regard to the selection test such changes will be notified in the webpage of Faculty of Engineering Technology (<https://ou.ac.lk/bsehons/>). You are required to visit the webpage regularly. In the online application form you must provide a correct and active email address and a telephone number for further communication.

### **Selection criteria**

You must pass the selection test in order to become eligible to register for the BSEHons programme. The Selection Test will be held at the Regional and Study Centres (RCs/SCs) of the Open University.

Those who pass the selection test, will be officially informed by email and called for registration. The final list of selected candidates

will also be published in OUSL main webpage under selection test results

### **Registration for BSEHons**

When you are selected for the BSEHons programme you will be called for registration at RCs/SCs of OUSL. You will receive a voucher for the payment of course fees along with other fees and payment information. Payment receipt, along with your original certificates, should be brought to the counselling desk at the OUSL on the day of the registration. You will then be offered courses according to the qualifications you already have.

After registration an official email address will be generated and sent to your personal email address. You must activate the given account and use it for all future communication with the university.

You will also get information as to how to create a Microsoft Teams account. Most of the Day schools will be conducted via Microsoft Teams or via Zoom.

The academic year of the programme will start on 25<sup>th</sup> March February 2025. Empowering for Independent Learning (EfIL), a course conducted by the OUSL to teach you how to study independently in Open and Distance Learning mode and Elementary Mathematics for Computing will start by 4<sup>th</sup> January 2025.

All students who have not passed Combined Mathematics at GCE A/L will have to register and pass Elementary Mathematics for Computing (MHZ2250) before registering to



other Mathematics course in the degree programme.

Another short program on ICT Challenges given in Future Careers Bridge web portal by SLASSCOM to identify promising students who may get many benefits from the IT industry, will also start at the same time.

English for Academic Purposes (EAP), a separate course offered by the Department of English Language Teaching (DELT) will start by January 2025. A Grading test will be conducted prior to the commencement of the course to group the students to classes based on performance.

You will be added to EfIL and Elementary Mathematics for Computing LMS pages as soon as you register. You have to login and choose a group to participate the activities. Activity schedules for EfIL and Maths course will be given in the respective LMS page.

### **Fees**

Students have to pay course fees as per below stated.

- Registration fee – Rs. 500/=
- Facilities fee – Rs. 2500/=, and
- Library Facilities fee – Rs. 100/=.
- Per Credit fee – Rs. 4190/=
- Payment for the EAP course only  
(course to be completed before the academic year): Rs.5500/=

Fees and visa requirements for foreign students: Please contact the International Relations Unit.

Tel: +011942854111, 0112881000 Ext-1145

Email: [ird@ou.ac.lk](mailto:ird@ou.ac.lk)

<https://ou.ac.lk/ircontactus/>

**\*International students who are planning to enrol in the degree programme must contact the International Relations Unit of OUSL before applying online.**

### **Payment**

It is recommended for a new student to offer 30 credits in the First Year.

Fee for First year will be  $30 \times 4190 + 500 + 2500 + 100 = 128,800$  LKR

Payment can be made as two instalments where the first instalment is 60% of the course fee and registration, facilities and library fee.

First instalment will be (if you register for 30 credits)  $= 30 \times 4190 \times 0.6 + 3100 = 78,520$  LKR

Voucher for the Second instalment will be emailed or sent via SMS by middle of the year.

### **Add-Drop of courses**

Students can change the registered courses during the Add-Drop period, which is generally after one month of the First Semester.

If you do not drop a course that you are not intending to complete within the year or do not obtain sufficient marks for continuous assessments of the course, then you will have to pay the full course fee for that course when you are registering in the next academic year.

That particular course will be marked as a repeat course and you will only get a C grade in the following year when you **pay and register** for the course again.

Approximately 2 months after Academic activities start, a Drop date will be given when you will be able to drop the course without affecting the grade. The course fee will not get released for the courses that are dropped by 'Drop Date'.

### ***Withdrawing from the Programme***

Students who **withdraw** from the programme before registration (before issuing the record book) will be paid the total amount after deduction of Rs.1000 for administration cost.

Students who **withdraw** from the programme after registration and **before the add/drop** will be able to get the 90% of the course fee (after deduction of 10% for administration cost).

### ***Awards/Scholarships/ Bursary***

The Open University grants four types of scholarships: Mahapola, University bursary, Enrolment bursary and Enhancement bursary. Please refer the OUSL website for details

<https://ou.ac.lk/scholarships/>

### ***Loan Schemes***

Students registered with The Open University can apply for the laptop loan given for students by the People's Bank. More information is

available under the Ministry of Higher education web site (<https://www.mohe.gov.lk/>).

Loans to pay the course fee is available from People's Bank and Commercial Bank (<https://ou.ac.lk/educational-loans/>).

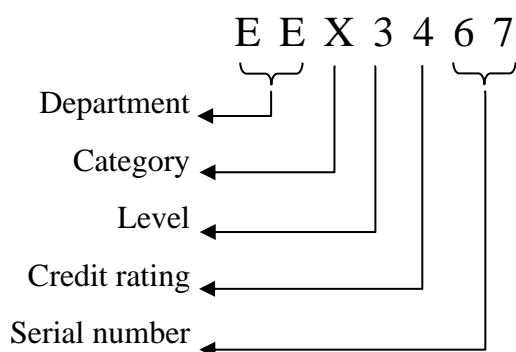
### ***Courses***

The Programme of study consists of a combination of taught courses and other requirements such as industrial placement. You are guided at registration to select a set of courses that is optimal for you. To register for a particular course, you need to fulfil given prerequisites for that course either by gaining exemptions or by successful completion.

### ***Course Code***

Each course has a course title and a unique course code.

The letters and numbers denoting the Departments, Categories, Levels, and Credit Rating make up the code of a course. For example, a course having the code EEX3467 provides the following information:



Accordingly, this particular course is offered by the Department of Electrical and Computer Engineering. It is an Engineering (X) category course at level 3 with a credit value of four (4). The serial number of the course is 67.

### Departmental Codes

The first two letters of the course codes indicate the department offering the particular course. The letters allocated for some departments of the Faculty of Engineering are as follows

Department	Code	Department	Code
Electrical and Computer	EE	Mathematics and Philosophy	MH
Agriculture & Plantation	AG	Mechanical Engineering	DM
Civil Engineering	CV	Textile & Apparel Technology	TA
Legal Studies	LL	English Language Teaching	LT

The code **VT** denotes a **virtual course**. These are not courses that you can enrol in, but, when you possess qualifications for which you cannot be granted an exemption from an existing course, you gain credits with appropriate category, and level.

### Category of Courses

Courses and other requirements fall into distinct **Course Categories** with specific alphabetical letters denoting them:

Engineering	X
Projects	Y
Mathematics	Z
Industrial	I
Management	M
General	J
Industrial training	W
Language	L

### Course Levels

Each course is also assigned a **Level**, between three (3) and six (6). The level indicates the relative complexity and advancement of the course content. Level 3 indicates first level in the undergraduate programme while Level 6 denotes the highest level in the undergraduate programme.

### **Credit Rating**

Each course is also assigned a credit rating, reflecting the academic value of the course and the amount of time a student is expected to devote to that course. The total effective time expected to be spent by an average student for a course in which the academic value is one credit

is about 50 *notional hours* of study time. At the OUSL, the maximum number of credits a student can offer per academic year is limited to *thirty eight (38)*.

The **completion of minimum 130 credits** is needed to complete the BSEHons Degree.

### **Courses in BSEHons**

List of courses available for the BSEHons programme is given below.

#### **Curriculum for Software Engineering Specialisation**

Following three Continuing Education courses are required to pass before the start of the academic year. These courses are in non-GPA category.

FDE3020 or FDE3023	Empowering for Independent Learning
[To be informed]	English for Academic Purposes-EAP
MHZ2250	Elementary Mathematics for Computing

#### **Level pre-requisites**

Level	Requirement
3	{FDE3020[CR] or FDE3023 [CR]}, {EAP[CR]or VTL2001}
4	{FDE3020[CR] or FDE3023 [CR]}, {EAP[CR]or VTL2001}
5, and 6	{FDE3020[P] or FDE3023 [P]}, {EAP[P] or VTL2001}

Course Code and Course Title		Prerequisites	Semester	R e c o m m e n d e d  c o u r s e s  f o r  Y e a r 1
Level 3 & 4 – Compulsory courses				
EEX3467	Software Engineering Concepts and Programming	None	1	
EEI3346	Web Application Development	None	1	
EEI3262	Introduction to Object Oriented Programming	None	2	
EEI3266	Information Systems and Data Management	None	1	
EEX3373	Communication and Computer Technology	AGM3263 (CR), EEX3467(CR)	1 & 2	
AGM3263	Communication Skills	None	1 & 2	
MHZ3459	Basic Mathematics for Computing	MHZ2250(CA)*	1 & 2	
EEI4346	Web Technology	EEI3346(CR)	2	
English for Academic Purposes- EAP		None	Prior to Sem 1 & in Sem 1	
Year 1 Total compulsory course credits: Semester 1 – 15.5 Semester 2 – 9.5				
Elective courses - Select up to 5 credits				
*EEI3269	Introduction to Mobile Application Development	None	2	
**EEM3366	Introduction to Business Studies	None	2	
EEI3372	Programming in Python	None	1	
Year 1 Total elective course credits: Semester 1 – 3, Semester 2 – 4				
[CR- Concurrent Registration; P- Pass; CA – Continuous Assessment Pass]				
*EEI3269 and LLJ3265 will be made a compulsory course from the year 2025/2026. Therefore, it is strongly recommended that all students register and learn these courses.				
**EEM3366 is compulsory for those who exit with Diploma				

Course Code and Course Title		Prerequisites	Semester	Recommended for Year 2
Level 4 & 5 – Compulsory courses				
EEI4267	Requirement Engineering	EEX3467(P)	3	
EEI4362	Object Oriented Design	EEI3262(CA), EEX3467(CA), Pass in 15 credits	4	
EEX4465	Data Structures and Algorithms	EEX3373(CA), MHZ4256(CR), Pass in 15 credits	3	
MHZ4256	Mathematics for Computing	MHZ2250(P)*	3	
EEI4361	User Experience Engineering	EEX3467(CA), Pass in 15 credits	4	
EEI4366	Data Modelling and Database Systems	EEI3266(CA), Pass in 15 credits	4	
AGM4367	Economics and Marketing for Engineers	Pass in 18 credits at Level 3	4	
EEY4189	Software Design in Group	EEX3467(P), {EEI3262(CA) or EEI3269(CA)}, Pass in 20 credits at Level 3	3 & 4	
MHZ4377	Applied Statistics	MHZ3459(CA), Pass in 15 credits at level 3	4	
EEI5467	Software Testing and Quality Assurance	EEX3467(P), 20 credits pass	3	
Year 2 Total compulsory course credits: Semester 3– 12.5, Semester 4 – 15.5				
Elective courses - Select up to 5 credits				
***EEI4369	Mobile Application Development for Android	EEI3269(CR)	3	
EEX4373	Data Science	EEI4366(CR), EEI3266(CA), Pass in 20 credits	3	
*LLJ3265	Introduction to Laws of Sri Lanka	None	4	
MHJ4271	History of Technology	Pass in 20 credits	3 & 4	
Year 2 Total elective course credits Semester 3 – 7, Semester 4 – 5				
*** To follow EEI4369 it is necessary to have a computer with special specifications to do the lab work on-line. On-site labs will be held only in weekdays 9am-4pm at Colombo Centre. Recommended to register only if you have got eligibility (CA) for EEI3269.				

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Level 5 & 6 - Compulsory courses				
EEI5270	Information Security	EEX3467(P), EEX4465(P), pass in 30 credits	5	Recommended for Year 3
MHZ5375	Discrete Mathematics	MHZ4256(CA), MHZ3459(P)	6	
EEX5563	Computer Architecture and Operating Systems	EEX3373(P) , Pass in 36 credits	5 & 6	
EEW5811	Industrial Training – Software	EEX3467(P), EEI4362(P), EEX4465(P), Pass in 40 credits	5 & 6	
CVM5402	Accounting for Engineers	AGM4367(CA), Pass in 30 credits	5 & 6	
EEX5362	Performance Modelling	Pass in 40 credits, EEI3346(P), MHZ4377(P)	6	
MHJ5372	Technology, Society and Environment	Pass in 45 credits	5 & 6	
Level 6 - Compulsory course to be offered in Year 3				
EEY6189	Research Methodology and Project Identification	EEX4465(P), Pass in 60 credits	5	Year 3
Year 3 Total compulsory course credits in Semester 5 – 12.5, Semester 6 – 16.5				
Elective courses - Minimum 60 credits are required from Levels 5 and 6				
#EEX5376	Embedded Systems and Internet of Things	EEI3266(P), EEI3372(P), AGM3263(P), EEX3373(P)	6	
#EEX5464	Data Communication and Networking	EEX5563 (CR), MHZ5375(CR)	5 & 6	
EEI5280	Creative Design	Pass in 45 credits	5	
*#EEI5466	Advanced Database Systems	EEI3266(P), AGM3263(CR)	5	
Year 3 Total elective course credits in Semester 5 – 8, Semester 6 – 5				

#For EEX5376 and EEX5464 labs will be held at CRC only.

\*# Recommended to register only if you have got eligibility (CA) for EEI4366

Pass - 70  
further - 22

34

23/15

70

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Course	Prerequisites	Semester	
<b>Level 6 - Compulsory courses</b>			
✓ DMM6601	Management for Engineers	CVM5401(CA), pass in 60 credits	7 & 8
<del>EEI6360</del>	Software Project Management	Pass in 60 credits	7
<del>EEI6171</del>	Emerging Technologies	Pass in 60 credits	7
✓ EEI6567	Software Architecture and Design	EEX3467(P), EEI4362(P)	7 & 8
<del>EEM6202</del>	Professional Practice	Pass in 30 credits in level 3, Pass in 24 credits at level 4 or above	8
✗ EEX6363	Compiler Construction	EEX4465(P), MHZ5375 (P), pass in 60 credits	7 & 8
✓ EEY6689	Final Project – Software Engineering	EEY6189(CA), EEI6360(CR), EEI6567(CR), Pass in 75 credits	7 & 8
Year 4 Total compulsory course credits Semester 1 – 14, Semester 2 – 12			
Elective courses – <b>Minimum 30 credits</b> are required in <b>Level 6</b> while <b>60 credits</b> are required from 5 and 6			
✗ EEX6340	AI Techniques and Agent Technology	EEX4465(P), EEX3467(P), MHZ5375(P)	8
<del>EEX6278</del>	Neural Networks and Fuzzy Logic Applications	EEX3467(P), Pass in 65 credits	7
Year 4 Total elective course credits Semester 1 – 2, Semester 2 – 6			

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**Special Note** – Courses not offered in 2024/2025

Course code	Course Title	Prerequisites
EEI3668	Graphic and Interactive Multimedia Design	None
#EEY4489	Higher Diploma Project – Software Engineering	Pass in 45 credits
EEX6377	Principles and Applications of Data Mining	EEX4465(P), MHZ4377(P), EEI4366(P), Pass in 45 credits

# Will be offered only if there is a justification acceptable to the Department for not doing industrial training module

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**All curricula for programmes offered by OUSL will be revised every 5 years. Therefore, current BSEHons curriculum may change in 2025-2026. However, students can obtain the degree award with the current curriculum for 3 more years starting 2024-2025.**

**Minor changes to few Level 3 courses and many changes for pre-requisites will be enacted from 2025/2026 and new compulsory courses will be offered.**

### ***Prerequisites***

To offer courses one has to satisfy the prerequisites for each course. These pre-requisites are given in the above Table.

### ***Industrial placements***

It is **mandatory for you to complete a minimum period of 6 month Full-Time industrial training** at a software company. From this placement, students gain on-site experience by working alongside professionals and the opportunity to observe good practices as well as developing necessary skills to work as a software engineer.

The Department is working closely with the Sri Lanka Association for Software and Service Companies (SLASSCOM) to give you an opportunity to do your training in the best software companies in the country. SLASSCOM has informed its member companies to offer training placements for OUSL students. The University facilitates the process by forwarding student CVs to a number of companies through SLASSCOM. The actual selection criteria are decided by the companies themselves. Generally, this involves a technical test and/or an interview.

SLASSCOM also uses the Future Careers Bridge Challenges (<https://www.futurecareersbridge.net/>) to introduce the basic ICT skills required by the Software Industry. This program is also used by SLASSCOM to evaluate prospective trainees and employees. All students are strongly encouraged to register and begin the Basic Challenges as they will prepare you for the BSEHons program.

Alternatively, if you are already employed or have found a training placement on your own at a company, discuss with the Manager/CITES. If the credentials of the company are acceptable to the University, you will be allowed to carry out training at the company. To claim an exemption for the training course based on the working experience you have, you need to register for the course EEX5811 industrial Training.

## Study system

The Open University of Sri Lanka conducts the study programmes in distance mode with a strong emphasis on the multimedia instructional materials, printed materials and audio-visual aids. The Faculty of Engineering Technology is a pioneer in the world in delivering engineering courses in the distance mode.

Prospective students should understand that the Open University DOES NOT conduct regular Lectures as in traditional institutions. Students are expected to engage in SELF-LEARNING guided by the instructional material provided.

The central element of self-study is the online class in the Moodle Learning Management System (LMS) and the Study Guides produced by the University, which provide a series of carefully designed activities and self-assessment questions in order to develop critical and creative thinking abilities. In addition, day schools (face-to-face sessions/online interactive sessions), laboratory work and seminars will be held.

Pre-scheduled day schools are conducted by the academic staff of the Faculty of Engineering Technology, Academic staff of CITES and professionals from the industry. These day schools provide the opportunity for the students to discuss the issues encountered in self-learning of a particular course. Facilities available for self-learning, such as library facilities, Audio-Visual Resource Centre, elementary computer labs, and more can be found in the section *Student Services*.

The online classrooms in the Learning Management System, play a vital role in the distance education programmes offered by the university. Each course offered in this study programme has an online classroom which provides access to every registered student over the web. Following are some of the benefits of an online classroom:

- access to the latest course information and learning resources
- prompt feedback from the course coordinators
- peer learning through active participation in group discussions happening in the classroom
- online submission of coursework.

We recommend strongly that all students make arrangements to have regular access to a computer - as many subjects will involve programming. Furthermore, having access to a computer will become a necessity during training and internship.

The OUSL facilitates lifelong learning. Therefore, the programmes offered by OUSL open avenues for everyone, especially for employed persons. Thus, the University makes every effort to schedule activities during the weekends and public holidays as far as possible. However, certain activities such as **laboratory sessions and examinations** may have to be **scheduled during weekdays. Especially, on-site Continuous Assessment Tests and Final Examinations will be held during weekdays.**

Since the activity schedule is given to the students at the beginning of the academic year, we expect you to plan your work well in advance.

### **Course Activities**

Each course has different activities. Tutor Marked Assignments (TMAs), Laboratory Work, Mini Projects, Case Studies, Presentation Sessions, Online Quizzes (OQs) and Continuous Assessment Tests (CATs) are some. The activities would depend on the course requirements.

### **Assessment**

Each course in a programme of study is assessed separately. Assessment consists of two components, namely Continuous Assessment and Final Examination. The purpose of the continuous assessment is to facilitate student learning, which involves activities such as TMAs, laboratory work, Mini Projects, Case Studies, Presentation sessions, OQs, and CATs.

Except for Mathematics courses, all other courses will have at least one CA component that is assessed by a viva voce/ (face to face interview online/onsite).

Eligibility to sit Final examinations - **You must obtain at least 40% for Overall Continuous Assessment Mark (OCAM)** to get eligibility to sit Final exam. Different courses have different formulae to calculate the OCAM.

Example - EEX3467

If  $MP \geq 40$  then

$$X = B(CAT, OQ) * 0.2 + MP * 0.3 + LAB-EV * 0.3 + AVG(TMA) * 0.2;$$

If  $MP < 40$  then  $X = 0$ ;

Two conditions that need to meet for eligibility are  $X \geq 40$  and  $MP \geq 40$

Here X is the OCAM, MP is the Mini-Project Mark, B(CAT,OQ) means the best of CAT mark or the Online Quiz Mark, LAB-EV is Lab Evaluation, AVG(TMA) is the average of Tutor Marked Assignment (TMA)

In some courses like EEI3262- the critical component is Lab Tests. Average Lab test marks for 4 lab tests must be  $\geq 40$  to gain eligibility.

**Very important** - there are strict deadlines for submission of Mini project reports, design reports etc. Late submissions are not accepted. Even if you bring an excellent Mini-project report after the deadline it will not be accepted.

Since there are 6-7 courses per semester, final deadline for submission will be scattered. Just because there is more time before the Eligibility due date, deadlines will not be extended, and you will have to repeat the course if the required assessments are not submitted on time. **You are strongly advised to make a summary timetable of submission dates at the beginning of the course and stick to the stipulated deadlines.**

**To sit Final examination**, a student must apply for the Final exam through MyOUSL portal and get a pass mark for OCAM. All Final examinations will be done on-site during weekdays as well as weekends.

### ***Awarding of the Degree***

In order to gain the degree, students have to fulfil the minimum credit requirements in each category and obtain 130 credits altogether from level 3 and above. However, students cannot claim credits over the maximum limit for each category and should obtain credits subject to the restrictions for levels and categories of the courses. This has been summarised in Table 1.

The credit requirement for the Higher Diploma is summarised in Table 2.

Degrees are awarded either with First Class, Second Class (Upper), Second Class (Lower) or Pass. The applicable class will be decided according to the Grade Point Average (GPA)

) which is computed using the grades obtained for the courses and their credit ratings as shown in the Appendix 2.

### ***Grade Point Average (GPA)***

The GPA shall be computed by considering the courses at levels 4, 5, and 6 totalling to 70 credits. In selecting the courses for 70 credits the following sequence will be followed.

- (1) Compulsory courses at levels 5 and 6
- (2) Elective courses at levels 5 and 6
- (3) Compulsory courses at level 4

In a situation, where exactly seventy (70) 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.

$$\text{GPA} = \frac{\sum_{i=1}^n (GPV_i)(CR_i)}{\sum_{i=1}^n (CR_i)}$$

Where  $GPV_i$  = Grade Point Value of course  $i$

$CR_i$  = course credit rating of course  $i$

### ***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 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.

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

***For Higher Diploma in Software Engineering:***

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.

- Level 4 (considering all Categories): 15
- Level 4 (considering X and I Categories): 8
- Levels 3 and 4 (considering X, I and Z Categories): 20

- Total (considering all Categories and all levels from 3 to 6): 33

***For Diploma in Software Development:***

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

- Level 3 and 4 (considering all Categories): 15
- Level 3 (considering X and I Categories): 7

**Table 1 - Course credits requirements for the Award of the Bachelor of Software Engineering Honours Degree**

Category	Minimum credits	Maximum credits
Industrial (I)	65	80
Engineering (X)	subject to a minimum of 30 credits being at levels 5 and 6, of which minimum of 15 credits at level 6	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	30, subject to a minimum of 12 at levels 5 or above
General (J)	5	20
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)	0	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 2 - Course credits 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 subject to a minimum of 30 credits being at levels 3 and 4, of which minimum of 15 credits at level 4
Engineering (X)		
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	0	4
Total	65, subjected to a minimum of 30 at level 4	

\*Only those who cannot complete Industrial Training will be offered the Higher Diploma Project

**Table 3 - Course credits requirements for the Award of the Diploma in Software Development**

*(Can request only if a student wishes to exit from the degree programme)*

Category	Minimum credits	Maximum credits
Industrial (I)	14, at level 3	25 subject to minimum of 14 at level 3 or above
Engineering (X)		
Management (M)	5, at level 3	8 subject to minimum of 5 at level 3 or above
Mathematics (Z)	0	6
Language (L, E)	0	4
Total	30	

A candidate who fulfils the requirements for the award of the *Diploma in Software Development* shall receive the award **on the agreement that he/she cancels his/her registration** for the Programme of Study leading to the Degree of *Bachelor of Software Engineering Honours*.

### Compulsory courses for the Award of Diploma in Software Development

Course		Pre-requisites
<b>Level 3</b>		
AGM3263	Communication Skills	None
EEI3346	Web Application Development	None
EEI3262	Introduction to Object Oriented Programming	None
EEI3266	Information Systems and Data Management	None
EEX3373	Communication and Computer Technology	AGM3263 (CR), EEX3467(CR)
EEX3467	Software Engineering Concepts and Programming	None
EEM3366	Introduction to Business Studies	None

### Future career

When you graduate from the BSEHons degree programme, you are armed with a degree as well as experience in the industry, so you can embark on your career with confidence. Your career path, starting from Software Engineer or an AI/Machine Learning engineer, can go up to Tech Lead, and then to Project Manager or Software Architect depending on whether you choose to embark in a management or technical career. You can also start as a Tester or Quality Assurance (QA) Engineer and go up to QA Lead and then onto QA Manager or Quality Analyst.

### Student services

#### Student Affairs Division

The Student Welfare Division maintains personal and academic records of all OUSL students. Any change of address, medium of study, study centre, civil status, change of courses, etc., should be immediately informed in writing to:

Senior Assistant Registrar,  
Student Welfare Division,  
The Open University of Sri Lanka,  
P. O. Box 21,  
Nawala, Nugegoda - 10250

When writing the letter, your name, registration number and the programme of study must be

indicated with your contact details such as email and/or phone number.

You are required to provide your **contact numbers** and **email address** to our Programme Coordinator at the BSEHons office. Any changes to your personal information must also be immediately informed to the Programme Coordinator as well.

### ***Counselling***

General counselling by the staff of the BSEHons programme on academic matters is available to all prospective applicants and students. You can contact the BSEHons office for this purpose. Further, Programme Coordinator/ BSEHons programme may be contacted for all non-academic matters. (Helpdesk: [Helpdesk.openlearn.lk](mailto:Helpdesk.openlearn.lk); Email: [bseinfo@ousl.lk](mailto:bseinfo@ousl.lk))

### ***Computer Laboratories in Regional and Study Centres***

To facilitate participation of students in post-secondary online education, computer laboratories are available at many Regional and Study centres free of charge. They are located at the existing OUSL Regional/Study centres. These labs are equipped with all modern state-of-the art equipment necessary for online education, such as an average 25 computers, printers, scanners, video conferencing facilities, wireless access, faxes and photocopying machines. All OUSL students are entitled to use these facilities free of charge, though a monthly time quota is enforced. Table 3 shows the list of Regional and Study Centres of OUSL. Regional centres are denoted by number '0' at the end of centre code.

Table 3 – Regional and Study Centres of OUSL

Centre	Code
Kandy	CP20
Hatton	CP21
Matale	CP
Batticaloa	EP60
Ampara	EP61
Trincomalee	EP62
Anuradhapura	NC50
Polonnaruwa	NC51
Jaffna	NP40
Vavuniya	NP41

Centre	Code
Kilinochchi	NP42
Mullaitivu	NP43
Mannar	NP44
Kurunegala	NW70
Puttalam	NW71
Naththandiya	NW73
Ratnapura	SG90
Kegalle	SG91
Matara	SP30
Ambalangoda	SP31

Centre	Code
Galle	SP32
Ambalantota	SP33
Badulla	UP80
Bandarawela	UP81
Monaragala	UP82
Colombo	WP10
Gampaha	WP11
Kalutara	WP12



### ***Library Facilities***

Students have access to the main library of the University at Nawala, Colombo and the four regional libraries at Anuradhapura, Batticaloa, Jaffna, Kandy and Matara Regional Centres. The main library is well stocked, but lending facility to students is limited to two books at a time, and requires a deposit. It is open throughout the year except on the seven "University Holidays" and a few days during the Sinhala and Tamil New Year and Christmas. The main library has an Audio-Visual Resource Centre (AVRC) with a substantial collection of video and audio material in many subject areas for the use of students. Access to internet, WiFi coverage and photocopying facilities are also available. The

study centres also have a small collection of books, and audio- visual material, mainly for reference.

### ***Temporary Residential Facilities (TRF)***

The University provides temporary residential facilities at Colombo, Kandy and Matara Regional Centres for a limited number of students attending approved academic activities. When requesting for temporary residential facility you have to get the TRF form certified by the relevant academic coordinator or a senior academic staff member from the relevant department by producing your student record book.

# Appendix 1

## Exemptions applicable for Bachelor of Software Engineering Study Programme

### Qualifications in English Language

Qualification	Course exempted
<ol style="list-style-type: none"><li>1. Bachelor's Degree/ Postgraduate Diploma/ Master's Degree in English medium</li><li>2. UTEL score of not less than band 6.00 in all 4 skills</li><li>3. IELTS overall score of at least 5.0 (academic) or 5.5 (general) with not less than 4.00 in writing</li><li>4. TOEFL<ul style="list-style-type: none"><li>• Paper based overall score of at least 450 with 3.5 in writing</li><li>• Computer based overall score of at least 200 with 3.5 in writing</li><li>• Overall score of at least 90 and writing score of 20 marks and above in the internet-based test</li></ul></li><li>5. Students who have completed their Advanced Level Examination in English medium.</li><li>6. Students who have completed London A/L (Edexcel or Cambridge) in English medium.</li><li>7. National College of Education – National Diploma in Teaching (English) conducted and awarded by the NIE</li><li>8. Higher National Diploma in English (SLIATE)</li><li>9. Diploma in English from a recognized university</li><li>10. Diploma in Library and Information Science (in the English medium) conducted by the Sri Lanka Library Association.</li><li>11. English as a subject at the G.C.E. Advanced Level (Not General English)</li><li>12. Diploma in English Language and Literature and Advanced Certificate in English conducted by Department of Language Studies.</li><li>13. National Diploma in Technology (NDT) – Institute of Technology University of Moratuwa</li></ol>	EAP

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

<b>Qualification</b>	<b>Courses Exempted</b>
Combine Mathematics or Pure Mathematics passed at GCE A/L	MHZ2250
[Higher] Diploma in Technology (OUSL) Civil, Textile, Agriculture	VTI3F00, MHZ3459
[Higher] Diploma in Technology (OUSL) Electrical, Electronics, Mechanical, Mechatronics	VTI3F00, MHZ3459, EEX3373
Diploma in Technology (OUSL) Computer	VTI3F00, MHZ3459, EEX3373, EEX3467, EEX4465
BSc/BA or equivalent University degree (except specialisation in Computing)	VTI3G00
BCS (British Computer Society) Certificate	VTI3F00, 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, MHZ3459, EEX3373
NDICT (National Diploma in Information and Communication Technology)	VTI3F00, EEX3373
Diploma in System Design and Programming, Vocational Training Authority (VTA)	VTI3F00, EEX3373
OUSL Faculty of Engineering Technology MHZ3530 or MHZ3531	MHZ3459

## Course Exemptions

Qualification	Courses Exempted
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 MHZ4530	MHZ3459
OUSL Faculty of Engineering Technology EEX3533 or EEX3336	EEX3373
OUSL Faculty of Engineering Technology EEX3363 (DIST)	EEX3373
OUSL Faculty of Engineering Technology EEX4535	EEX4465
OUSL Faculty of Engineering Technology EEX4547 or EEX3517 or EEX3417	EEX3467
OUSL Faculty of Engineering Technology EEX5536 and ECX5535	EEX5563
AAT- Association of Accounting Technicians (Sri Lanka) - Stage II or III	VTI3G00

## Appendix 2

### Scheme of Assessment

Below given information are extracted from the Regulation applicable to Bachelor of Software Engineering Honours degree programme.

- 5.1. The Overall Assessment Mark (Z%) of a student in respect of any course, other than training courses shall be based on the Overall Continuous Assessment Mark (X%) and the mark obtained at the Final Examination (Y%) and shall be computed as follows:

$$\text{if } Y \geq 40 \text{ and } X \geq 40 \quad \text{then } Z = (0.5 X + 0.5 Y)$$

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

- 5.2 **The Overall Assessment Mark (Z%) of the Industrial training courses shall be based** only on the marks obtained at the final examination ( $Z = Y$ )

5.2.1 The assessment of Industrial training courses shall be carried out in accordance with the faculty approved guidelines, by an Assessment Panel appointed by the Board of the Faculty of Engineering Technology and approved by the Senate.

5.2.2 The Overall Assessment Mark (Z%) of a student in respect of a course offered by any other Faculty of The Open University of Sri Lanka, except Faculty of Engineering Technology, shall be determined by the relevant Faculty offering the course, with the approval of the Senate.

- 5.3 Each student who sits for the Final Examination of a course shall be awarded a grade in respect of such course based on the Overall Assessment Mark (Z%), as specified in Schedule 2 of this Regulation and a Grade Point Value (GPV) shall be awarded in accordance with Section 5.5 in Part V of the By-Law No. 21.

### Schedule – 2 in Regulation

In the Table below, A+, A, A-, B+, B, B-, C+, and C, constitute Pass grades.

#### Calculation of Grade Point value from Grades

<b>Overall Assessment Mark (Z%)</b>	<b>Grade</b>	<b>Grade point value (GPV)</b>
85-100	A <sup>+</sup>	4.0
75-84	A	4.0
70-74	A <sup>-</sup>	3.7
63-69	B <sup>+</sup>	3.3
55-62	B	3.0
50-54	B <sup>-</sup>	2.7
45-49	C <sup>+</sup>	2.3
40-44	C	2.0
35-39	C <sup>-</sup>	1.7
30-34	D <sup>+</sup>	1.3
20-29	D	1.0
0-19	E	0.0

#### Part VI - Award of the Degree of Bachelor of Software Engineering Honours

- 6.1 A candidate eligible for the Award of Degree of Bachelor of Software Engineering Honours in accordance with this Regulation shall supplicate for the same to the Deputy Registrar/ Senior Assistant Registrar/ Assistant Registrar of Examinations before the date as determined by the university on the prescribed form.
- 6.2 A candidate who satisfies the requirements for the award of Degree of Bachelor of Software Engineering Honours shall be awarded such Degree with Pass, Second Class (Lower Division), Second Class (Upper Division) or First Class provided he/she satisfies the requirements specified in Sections 6.8, 6.9, 6.10 and 6.11 respectively in this Regulation, within such period specified in Section 6.4 of this Regulation.
- 6.3 -
- 6.4 A candidate shall acquire the course credit requirement as specified in Sections 6.2 and 6.3 of this Regulation within a minimum period of four (04) academic years and a maximum period of twelve (12) consecutive academic years from the date of his/her first registration considered for the award of the Degree of Bachelor of Software Engineering Honours. However, the students who receive course exemptions shall be exempted from the specified minimum period for the completion of the study Programme.
- 6.5 -

- 6.6 -
- 6.7 -
- 6.8 A student shall be awarded a Pass in the Degree of Bachelor of Software Engineering Honours, if he/she has,
- 6.8.1 Obtained a minimum of one hundred and thirty (130) course credits from  
The Levels 3, 4, 5 and 6 of the Programme of Study as specified in Table 1 of this Regulation with a GPA of 2.00 or above, in accordance with the Section 6.8.2 and Section 6.8.3.
- 6.8.2 The course credits as specified in Section 6.8.1 shall not exceed the maximum course credits specified for a Category as specified in Table 1 of this regulation. If a student has obtained course credits in excess of the maximum specified for a Course Category, the excess course credits shall not be considered when computing the total credits. Such excess course credits shall be eliminated by considering Level 3 courses first and then Levels 4, 5 and 6. In doing so, it shall be ensured that the maximum possible credits are counted in each category. Such eliminated courses shall not be in the compulsory course combinations shown in Schedule 1(a) of this Regulation.
- 6.8.3 The acquisition of the required course credits shall be subjected to the restrictions laid down in Schedule 1(d) of this Regulation, which specifies certain combinations of courses as being “Excluded Combination of Courses”.
- 6.9 A student shall be awarded Second Class (Lower Division) in Bachelor of Software Engineering Honours if he/she has obtained a Pass in accordance with the Section 6.8 above with a GPA of 3.00 or above,
- 6.10 A student shall be awarded Second Class (Upper Division) in Bachelor of Software Engineering Honours, if he/she has obtained a Pass in accordance with the Section 6.8 above with a GPA of 3.30 or above, and,
- 6.11 A student shall be awarded First Class in Bachelor of Software Engineering Honours if he/she has, obtained a Pass in accordance with the Section 6.8 above with a GPA of 3.70 or above.

## Appendix 3

### Application for Evaluation of Qualifications for Exemptions

Who needs to apply for Evaluation of Qualifications?

*Only those who possess qualifications NOT listed in the Student Guidebook 2024/25 need to apply.*

#### IMPORTANT

Please note that only full qualifications are considered, and part qualifications will not be accepted. You are advised to check your qualifications with relevant departments and apply only if necessary.

#### **The following documents must be attached to the Application Form:**

Certified copies of all Educational/Professional Qualifications

Certified copies of the Syllabi of each subject of the course/programme to be evaluated

Certified copies of past papers of each subject of the course /programme to be evaluated

Handbook (Student Guidebook) of the Institution from which each qualification has been obtained

Note: Please note that applicant should provide certified English translations if the originals are in any other language.

The completed application form with relevant documents must be submitted to the Director, Centre for IT Education Services (CITES), The Open University of Sri Lanka, Nawala, Nugegoda as early as possible. **Applications received after October 24, 2024 or incomplete applications will not be processed.**

#### **Exemption Application deadline 24<sup>th</sup> October 2024.**

If you apply for Evaluation of Qualifications, please remember to ask at the registration counter whether you have been granted additional exemptions, when you come for document verification.

Note: The exemption form can be downloaded from the faculty webpage: <http://www.ou.ac.lk/bsehons/> under **Exemptions** tab.





## Appendix 4

### Bachelor of Software Engineering Honour Degree Programme - 2024/2025: Counselling form for New Students

Name : .....

Registration No: ..... E-Mail: .....

Telephone No: ..... Center: .....

Home Address : .....

Instruction

- Please mark "X" for the courses that you wish to register for the current academic year.
- It is compulsory to complete and produce this form at the registration.

#### StART@OUSL

The Common induction programme referred to as "StART@OUSL" (Student Academic Readiness Training programme) will be offered to all new registration students. Students must take the two compulsory courses listed in the following table.

Course Code	Course Title	I wish to register (Yes/No)
FDE3023	Empowering for Independent Learning (EfIL)	
[To be informed]	English for Academic Purpose (EAP)	
MHZ2250	Elementary Mathematics for Computing	

#### Offered Courses in BSEHons Programme

Course Code	Course Title	Prerequisites	Semester	I wish to Register
Year 1 - Compulsory courses				
EEX3467	Software Engineering Concepts and Programming	None	1	
EEl3346	Web Application Development	None	1	
EEl3266	Information Systems and Data Management	None	1	
EEX3373	Communication and Computer Technology	AGM3263 (CR), EEX3467(CR)	1 & 2	
MHZ3459	Basic Mathematics for Computing	None	1 & 2	

EEI3262	Introduction to Object Oriented Programming	None	2	
EEI4346	Web Technology	EEI3346(CR)	2	
AGM3263	Communication Skills	None	1 & 2	
Year 1 Total compulsory course credits Semester 1 – 13.5 Semester 2 – 9.5				
<b>Year 1 Elective courses - Select up to 7 or 8 credits</b>				
<b>*EEI3269</b>	<b>Introduction to Mobile Application Development</b>	<b>None</b>	<b>2</b>	
EEI3372	Programming in Python	None	1	
LLJ3265	Introduction to Laws in Sri Lanka	None	2	
<b>**EEM3366</b>	Introduction to Business Studies	None	2	

**\*EEI3269** will be made a **compulsory course** from the **Year 2025/2026**. For all students it is strongly recommended to study this course.

**\*\* recommended only if you wish to exit from diploma or Higher Diploma**

In case you have obtained exemptions for above courses, please write courses in Level 4 that you wish to register.

Course Code	Course Title	Course Code	Course Title

I understand and accept the following conditions:

1. The medium of instruction is English. All answers to assignments, exam papers must be written in English.
2. The program includes a compulsory, 6-month full time on-site industrial training module in Software Development
3. Final Examinations and Continuous Assessment Tests, Project Vivas and some Laboratory Tests will be conducted ON-SITE and will be scheduled on WEEKDAYS as well as WEEKEND.

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Signature of the Student & Date

.....

Signature of the Academic Counsellor & Date



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