

Degree of Bachelor of Computer Science By-Law No. 52 - 2023

University of Ruhuna

By-Law made by the Council of the University of Ruhuna, on 09.11.2023 under Section 135 of the Universities Act No.16 of 1978, as amended by the Universities (Amendment) Act No.7 of 1985.

BY-LAW

This By-Law may be cited as the “Degree of Bachelor of Computer Science By-Law No. 52 of 2023 of the University of Ruhuna” and shall come into effect on 21.02.2019. The Degree of Bachelor of Computer Science shall be offered under this By-Law.

1. General Requirements for Award of the Degree

1.1. The Degree of Bachelor of Computer Science, hereafter referred to as “BCS”, shall be awarded by the University of Ruhuna, hereafter referred to as “the University”, to a student who:

- (A) has been admitted to the University as a student under Section 135 of the Universities Act No. 16 of 1978 and amendments thereof, and
- (B) has been duly registered at the University, during the period of study prescribed by this By-Law, and
- (C) has completed the courses of study to the satisfaction of the Senate, as prescribed by this By-Law and Regulations and Rules made thereunder, and
- (D) has passed examinations as prescribed by this By-Law and Regulations and Rules made thereunder, and
- (E) has fulfilled the requirements of Proficiency in English Language as prescribed by the Senate, and
- (F) has paid such fees as prescribed by the University for his/her case by this By-Law and the Regulations and Rules of the University, and
- (G) has fulfilled all the above requirements within five academic years from the date of entry to the University, provided that it shall be within the power of the Senate to declare for some specified reason(s) that a student is eligible for the award of the Degree at a subsequent occasion, and
- (H) has no ongoing disciplinary inquiry conducted by the University, and
- (I) has no ongoing inquiry conducted by the University examination offences.

1.2. The abbreviation of the name of the Degree shall be BCS.

2. Eligibility for Registration

2.1. A student selected for admission to the Bachelor of Computer Science (BCS) Degree programme in the Faculty of Science

must have satisfied the general university admission requirements for the Bachelor of Computer Science Degree programme of the Faculty of Science laid down by the University Grants Commission (UGC), Sri Lanka, according to the stipulated University Admission Criteria.

- 2.2. Applicants with foreign qualifications referred for admission by the University Grants Commission shall be admitted only with the consent of the Faculty Board of the Faculty of Science.

3. Registration for the Degree Programme/Course Units

- 3.1. A student selected for admission shall register to follow the BCS Degree Programme. Such registration shall be carried out as prescribed by the Senate.
- 3.2. Registration for semesters of the Degree programme shall be determined per the regulations laid down by the Senate.
- 3.3. Students shall register for all required course units for each semester as prescribed by the Faculty. Students, who fail to register for any course module shall receive a grade E*. Such a student shall register for those course units in the subsequent immediate attempt and shall be considered a repeat student unless he/she has been given an academic exemption by the Senate on the recommendation of the Faculty Board.
- 3.4. A candidate admitted to the Degree Programme shall not be permitted to concurrent registration for any other full-time course of study.

4. Programme of Study

- 4.1. The Programme of study leading to the Degree of Bachelor of Computer Science shall be a full-time course of six academic semesters over three academic years that include Level I, II, and III of the Bachelor of Computer Science Degree. The course shall consist of Core Course Units (hereafter referred to as CCU) and Optional Course Units (hereafter referred to as OCU) as prescribed by Regulations made by the Senate.
- 4.2. Each academic year shall normally consist of two semesters.
- 4.3. During the three academic years of the BCS Degree Programme, a student shall complete a minimum of 90 credits of the Bachelor of Computer Science Degree course units as prescribed by the Faculty.
- 4.4. The programme of study shall be conducted in the medium of English.
- 4.5. The relevant Course Units and their syllabi shall be approved by the Senate on the recommendation of the Faculty Board.
- 4.6. The available Course Units shall be announced by the Faculty at the commencement of an academic year or a semester.
- 4.7. Each student following the three-year Bachelor of Computer Science Degree Programme, should follow the Industry Placement/Industry-based Project course unit in level III. The students are free to select the company/institution where he/she intends to complete the course, provided that such company/institution is approved by the Department of Computer Science. The department may help find placements for students and those who cannot find placement in the industry shall be assigned to industry-based projects.

5. Evaluation and Grading

- 5.1. Subject to this By-Law, the Course Units and the syllabi leading to the Degree of Bachelor of Computer Science, the mode of evaluation of each Course Unit,

- examination criteria, and schemes of award of Classes shall be prescribed by Regulations made by the Senate.
- 5.2. Evaluation of a Course unit shall consist of one or more of the following assessment components as decided by the Department of Computer Science and it will be announced at the commencement of each semester:
 - (A) theory examinations
 - (B) practical examinations
 - (C) oral examinations
 - (D) continuous assessments
 - (E) assignments
 - (F) reports
 - (G) presentations
 - (H) class tests
 - 5.3. Theory/Practical/Oral examinations of the BCS degree programme will be conducted at the end of each semester or at the end of each course unit or at any other time within the academic year as decided by the Department of Computer Science subject to the approval of the Faculty Board.
 - 5.4. The methods of assessment and distribution of weightage among assessment components of each Course Unit shall be approved by the Senate.
 - 5.5. To be eligible to sit for the end-semester examination of each course unit, a student must have maintained a minimum attendance of 80% or an appropriate percentage of attendance as decided by the Faculty Board under special circumstances. A student who does not fulfil this requirement shall be considered a repeat student in the next attempt unless he/she has been given an academic concession by the Senate on the recommendation of the Faculty Board.
 - 5.6. The final evaluation of a course unit shall be graded and assigned a Grade Point Value (GPV) as follows based on the level of overall performance.

Marks (%)	Grade	GPV
85- 100	A+	4.0
70-84	A	4.0
65-69	A-	3.7
60-64	B+	3.3
55-59	B	3.0
50-54	B-	2.7
45-49	C+	2.3
40-44	C	2.0
35-39	C-	1.7
30-34	D+	1.3
25-29	D	1.0
0-24	E	0.0

- 5.7. If a student fails to complete a Course Unit, a grade of “E*” will be given unless an acceptable reason is produced. In the event of accepting the given reason by the Senate on the recommendation of the Faculty Board, he/she will be considered as sitting for the first time in a subsequent attempt for that course unit.

The following table lists relevant grades:

Reason	Grade	Subsequent Attempt
Not applied/Absent without accepted reason(s)/ Not Eligible	E*	Repeat
Accepted Medical Certificate	MC	First Time
Non-medical reasons acceptable to the Senate	NM	First Time
Results withheld	WH	As decided by the Board of Examiners

- 5.8. A candidate who obtains a grade “C” or better for a Course Unit will be considered to have passed that Course Unit.
- 5.9. A student, who obtains a “C-“ or lower grade in a particular Course Unit, may re-sit the examination within in respect of that Course Unit to improve its grade within the stipulated period. The highest grade a student can obtain is “C” which is in this instance equivalent to a GPA of 2.00. In the event a student obtains a lower grade, he/she will be entitled to the previous grade. Repeat students are not entitled to attend lectures/practical classes for the purpose of improving their grade.

6. Graduation Requirements

- 6.1. The Grade Point Average (GPA) shall be calculated as described below at the end of the degree programme to determine the overall performance of a student. GPA is the arithmetic mean of the credit-weighted grade point values. The GPA is determined by dividing the total credit-weighted Grade Point Value by the total number of credits. GPA shall be reported to the second decimal point.

$$\text{GPA} = \frac{\sum (\text{Grade Point value for a Course Unit}) \times (\text{Number of credits of that Course unit})}{(\text{Total Number of Credits})}$$

- 6.2. A student shall be eligible for the award of the Bachelor of Computer Science Degree if he/she has obtained
- (A) a minimum of 90 credits
 - (B) grades of C or better aggregating to a minimum of 60% of credits of Computer Science CCUs
 - (C) grades of C or better aggregating to a minimum of 60% of credits of Mathematics CCUs
 - (D) grade of C or better aggregating to a minimum of 60% of credits of OCUs
 - (E) grade of C or better for Industry based Project/Industry Placement course unit
 - (F) grade Point Average (GPA) of 2.00 or more, and
 - (G) grade of C or better for the English Proficiency Level I and Level II.

7. Award of the Degree with a Class

A student who has fulfilled all the conditions stipulated in Section 6 shall be awarded a Class, if he/she fulfils the following additional requirements within three academic years from the date of first registration (it shall be within the power of the senate to declare for some specified reason that a student is eligible for the award of the honours at a subsequent occasion) securing grades of “C” or better aggregating to a minimum of 75 credits.

7.1. First Class

- (A) A minimum GPA of 3.70 for all course units, and
- (B) Grades of A or better in Course Units aggregating to a minimum of 40 credits

7.2. Second Class (Upper Division)

- (A) A minimum GPA of 3.30 for all course units, and
- (B) Grades of B or better in Course Units aggregating to a minimum of 40 credits

7.3. Second Class (Lower Division)

- (A) A minimum GPA of 3.00 for all course units, and
- (B) Grades of B or better in Course Units aggregating to a minimum of 40 credits

8. Effective Date of the Degree

- 8.1. The effective date of the degree of a student shall be the date following the last day of the semester examinations conducted by the Faculty in the relevant semester when the student fulfils all the requirements for graduation.
- 8.2. In case a student has an ongoing inquiry for an examination or disciplinary offenses conducted against him/her by the University, results of the relevant examination/s shall not be released until the inquiry is completed. In such situations, the effective date of the degree shall be determined by the Senate.

9. Regulations

- 9.1. This By-Law may be revised or amended from time to time when necessary.
- 9.2. Rules and regulations made under this By-Law may be amended or approved by the Senate independently of the By-Law.
- 9.3. All other common rules and regulations applicable to universities in Sri Lanka and to the University of Ruhuna in particular are also applicable to students registered for these programmes.

10. General Conditions

This By-Law will be effective from the batch of students who admitted to the academic year 2018/2019 (UGC Admissions 2017/2018).

11. Interpretations

11.1. In this By-Law unless the context otherwise requires

“University” means the University of Ruhuna, Sri Lanka as established by Gazette Notification no.281/07 dated 24.1.1984.

“Council” means the Council of the University of Ruhuna, constituted by University Act No.16 of 1978 and amendments thereof.

“Senate” means the Senate of the University of Ruhuna, constituted by University Act No.16 of 1978 and amendments thereof.

“Faculty of Science” or “Faculty” means the Faculty of Science, University of Ruhuna.

“Faculty Board” means the Faculty Board of the Faculty of Science, University of Ruhuna.

“Dean” means the Dean of the Faculty of Science, University of Ruhuna.

11.2. Any question regarding the interpretation of this by-law shall be referred to the Council whose decisions thereon shall be final and conclusive.