Programme Requirements for
Bachelor of Science with Honours in Computing

This 3-credit-unit system programme requirements document is applicable to the following student cohort:

Year of Entry	Admission cohort
Year 3	2024/25 and thereafter

1. Programme Requirement – Bachelor of Science with Honours in Computing Year 3 Entry (BSCHCOMPF)

1.1 To be eligible for the award of the degree of Bachelor of Science with Honours in Computing, a student shall:

1.1.1 obtain 63 credit-units as prescribed below, of which at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

1.1.1.1 30 credit-units of core courses as listed in Table 1;

1.1.1.2 24 credit-units of elective courses from Table 2, of which at least 18 credit-units must be at 4000-level;

1.1.1.3 9 credit-units of University Core courses in Table 3;

and

1.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

Table 1: Core Courses

Course Code	Course Title	Credit-units
COMP 3122SEF	Advanced Java programming	3
COMP 3132SEF	Mobile Application Design and Development	3
COMP 3200SEF	Database Management	3
COMP 3500SEF	Software Engineering	3
COMP 3510SEF	Software Project Management	3
COMP 3810SEF	Server-Side Technologies & Cloud Computing	3
COMP 3820SEF	Web Application Development	3
COMP 3920SEF	Machine Learning	3
COMP 4570SEF	Capstone Computing Project	6

Table 2: Elective Courses

Course Code	Course Title	Credit-units
COMP 4330SEF	Advanced Programming and AI Algorithms	3
COMP 4620SEF	Concurrent and Networks Programming	3
COMP 4820SEF	Data Mining and Analytics	3
COMP 4900SEF	Creative Programming for Games	3
COMP 4930SEF	Deep Learning	3
COMP 4950SEF	Professional Placement	3
ELEC 3050SEF	Computer Networking	3
ELEC 3250SEF	Computer and Network Security	3
ELEC 3470SEF	Multimedia Technologies	3
ELEC 4210SEF	Biomedical Informatics	3
ELEC 4310SEF	Blockchain Technologies	3
ELEC 4370SEF	Digital Signal Processing	3
ELEC 4480SEF	IOT Security	3
ELEC 4710SEF	Digital Forensics	3
ENGG 3280SEF	Engineering Professional Practice	3

Table 3: University Core Courses

Course Code	Course Title	Credit-units
UNI 1002ABW	University Core Values	2
UNI 1012ABW	Social Responsibilities	1
UNI 2002BEW	Effective Communication and Teamwork	3
UNI 3002BEW	Entrepreneurial Mindset and Leadership for Sustainability	3

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