

Computer Science – Specialization (Computing) – Bachelor of Computing(Honours)

CSCI-P-BCH (Computer Science)

CSCI-I-BCH (Computer Science with Professional Internship)

Subject: Administered by the School of Computing.

Plan: Consists of 105.0 units as described below.

Program: The Plan, with sufficient electives to total 120.0 units, will lead to a Bachelor of Computing (Honours) Degree.

1. Core (60.0 units)

- A.** 6.0 units in CISC 121/3.0 and CISC 124/3.0
- B.** 6.0 units from (CISC 102/3.0 and MATH 112/3.0) or (CISC 102/3.0 and MATH 111/6.0) or MATH 110/6.0
- C.** 6.0 units from MATH 120/6.0; MATH 121/6.0; (MATH 123/3.0 and MATH 124/3.0)
- D.** 3.0 units in STAT 263/3.0
- E.** 21.0 units in CISC 203/3.0, CISC 204/3.0, CISC 220/3.0, CISC 221/3.0, CISC 223/3.0, CISC 235/3.0, CISC 260/3.0
- F.** 3.0 units from CISC 322/3.0 or CISC 326/3.0
- G.** 9.0 units in CISC 324/3.0, CISC 340/3.0, CISC 365/3.0
- H.** 3.0 units in CISC 497/3.0
- I.** 3.0 units from CISC 499/3.0 or CISC 500/6.0

2. Option (45.0 units)

Theory of Computing

- A.** 3.0 units from CISC 422/3.0; CISC 462/3.0; CISC 465/3.0; CISC 466/3.0

Applications

- B.** 12.0 units from one of Option List 2Ai; 2Aii
 - i.** Option List 2Ai (12.0 units)
 - a.** 3.0 units from CISC 332/3.0; CISC 333/3.0; CISC 352/3.0
 - b.** 9.0 units from (CISC; CISC_Sub; SOFT) at the 400 level
 - ii.** Option List 2Aii (12.0 units)
 - a.** 3.0 units from CISC 454/3.0 or CISC 457/3.0
 - b.** 6.0 units from (CISC; CISC_Sub; SOFT) at the 400 level
 - c.** 3.0 units from (CISC; CISC_Sub; SOFT) at the 200 level or above

Complementary Courses

- C.** 9.0 units from the humanities, languages, or social sciences
- D.** 21.0 units from any discipline other than CISC, SOFT, MATH, STAT

3. Supporting (0.0 units)

4. Additional Requirements

(none)

5. Substitutions

- A. Students in the internship version of this Plan will substitute 3.0 units from COMP at the 300 level for requirement 1.I (CISC 499/3.0 or CISC 500/6.0). In addition, the B.Cmp.(Hons.) Program requirements will be increased by 6.0 units from COMP at the 300 level, for a total of 126.0 units, if the student is taking a 12-month internship or by 9.0 units from COMP at the 300 level, for a total of 129.0 units, if the student is taking a 16-month internship.

6. Notes

- A. Those students with no programming experience should review first year course choices based on the Section on *Introductory Courses* at the start of the chapter on Computing.
- B. In exceptional circumstances (such as a student who has transferred from another faculty or institution), the distribution requirements in the complementary courses may be relaxed, at the discretion of the Chair of Undergraduate Studies. Alternative complementary courses may be selected in consultation with the School of Computing.
- C. ELEC courses are offered by the Faculty of Engineering and Applied Science. Special permission may be required to register. All such courses will count as 3.0 units towards degree requirements in Arts and Science.

CISC Subs

The following list contains courses offered through other Departments. In accordance with Academic Regulation 2.5 (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be made available during the Open Enrolment period, and then only if space permits.

Courses in other departments usable as CISC options

COMM 365/3.0; ELEC 470/3.0; ELEC 471/3.0; ELEC 474/3.0; ELEC 476/3.0; ELEC 478/3.0;
MATH 272/3.0; MATH 337/3.0; MATH 401/3.0; MATH 402/3.0; MATH 434/3.0; MATH 474/3.0