

B.A. in Computer Science Curriculum

2005/2006-2006/2007 Academic Years

Computer Science Bachelor of Arts

Freshman Year

First Semester

4 – CP SC 101 Computer Science I
3 – ENGL 103 Accelerated Composition
4 – MTHSC 106 Calculus of One Variable I
4 – Foreign Language Requirement¹

15

Second Semester

4 – CP SC 102 Computer Science II
4 – MTHSC 108 Calculus of One Variable II
3 – MTHSC 119 Introduction to Discrete Methods
4 – Foreign Language Requirement¹

15

Sophomore Year

First Semester

4 – CP SC 212 Algorithms and Data Structures
3 – Arts and Humanities (Literature) Requirement²
3 – Foreign Language Requirement¹
4 – Natural Science Requirement³
3 – Oral Communications Requirement²

17

Second Semester

3 – CP SC 215 Tools/Tech. For Software Development
4 – CP SC 231 Intro. To Machine Organization
1 – CP SC 291 Seminar in Professional Issues I
3 – Foreign Language Requirement¹
4 – Natural Science Requirement³

15

Junior Year

First Semester

6 – Computer Science Requirement⁴
3 – Mathematical Sciences Requirement⁵
3 – Minor Requirement
3 – Social Science Requirement^{2,6}

15

Second Semester

3 – Advanced Writing Requirement²
3 – Arts and Humanities (Non-Lit.) Requirement^{2,6}
3 – Computer Science Requirement⁴
6 – Minor Requirement

15

Senior Year

First Semester

6 – Computer Science Requirement⁴
3 – Departmental Humanities Requirement^{6,7}
3 – Minor Requirement
3 – Social Science Requirement^{2,6}

15

Second Semester

1 – CP SC 491 Seminar in Prof. Issues II⁸
3 – Computer Science Requirement⁴
3 – Fine Arts Requirement⁹
3 – Minor Requirement
5 – Elective

15

122 Total Semester Hours

¹14 credits in the same foreign language, which must include a 6-hour sequence at the 200-level approved by the Department of Languages.

²Select to satisfy the University general education requirement for specified area. Social science courses must be from two different fields. .

³Eight hours including labs selected from the same science and from the following list: BIOL 103, 104; 110, 111; CH 101, 102; 105, 106; GEOL 101/103, 102 or 112/114; PHYS 122/124, 221/223; 207/209, 208/210.

⁴Select from CP SC courses numbered 300 or higher.

⁵Select from MthSc 301, 302 or 311 (note: MthSc 311 is required for all graphics courses).

⁶Six of these credit hours must also satisfy General Education Cross-Cultural Awareness and Science and Technology in Society requirements.

⁷Select from Art and Art History, Anthropology, Art, Chinese, Dance, English, French, German, Humanities, Italian, Japanese, Music, Performing Arts, Philosophy, Religion, Russian, Spanish, Theatre.

⁸CP SC H395 may be substituted for this requirement.

⁹Selected from MUSIC 210 or any course in A A H, ART, or THEA.

Notes:

1. For graduation, a candidate for the BA degree in Computer Science must have earned a grade of C or better in each “CP SC” designated course applied to the degree.
2. A grade of C or better must be earned in all prerequisite courses (including CP SC and MTHSC courses) before enrolling in the next CP SC course.