B.A. in Computer Science Curriculum
2010/2011-2011/2012 Academic Year

Computer Science
Bachelor of Arts

Freshman Year
First Semester
4 – CP SC 101 Computer Science I
3 – ENGL 103 Accelerated Composition
3 – MTHSC 102 Intro. to Mathemat. Analysis¹ and
1 – Elective¹ or
4 - MTHSC 106 Calculus of One Variable I¹
4 – Foreign Language Requirement²
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15

Second Semester
4 – CP SC 102 Computer Science II
3 – MTHSC 207 Multivariable Calculus¹ and
1 – Elective¹ or
4 - MTHSC 108 Calculus of One Variable II¹
3 – Arts and Humanities (Non-Lit.) Requirement³
4 – Foreign Language Requirement²
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15

Sophomore Year
First Semester
3 – CP SC 207 Discrete Structures for Computing
4 – CP SC 212 Algorithms and Data Structures
3 – Arts and Humanities (Literature) Requirement³
3 – Foreign Language Requirement²
3 – Oral Communications Requirement³
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16

Second Semester
3 – CP SC 215 Software Development Foundations
4 – CP SC 231 Intro. to Computer Organization
1 – CP SC 291 Seminar in Professional Issues I
3 – Foreign Language Requirement²
4 – Natural Science Requirement⁴
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15

Junior Year
First Semester
6 – Computer Science Requirement⁵
3 – Mathematical Sciences Requirement⁶
3 – Minor Requirement
3 – Natural Science Requirement⁴
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15

Second Semester
3 – Computer Science Requirement⁵
6 – Minor Requirement
3 – Social Science Requirement³
3 – Writing Requirement⁷
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15

Senior Year
First Semester
6 – Computer Science Requirement⁵
3 – Departmental Humanities Requirement⁶
3 – Minor Requirement
3 – Social Science Requirement³
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15

Second Semester
3 – CP SC 491 Seminar in Prof. Issues II
3 – Computer Science Requirement⁵
3 – Fine Arts Requirement⁹
3 – Minor Requirement
3 – Elective
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15

121 Total Semester Hours

¹Select either the MTHSC 102/207 or MTHSC 106/108 sequence. Students who select the MTHSC 106/108 sequence will have satisfied the two elective credits in the freshman year. Students interested in computer graphics should select the 106/108 sequence.
²Four semesters (through 202) in the same modern foreign language are required.
³See General Education Requirements.
⁴Select from courses in BIOL, BIOCH, BIOSC, CH, GEOL, MICRO, PHYS; or EN SP 200. At least one course must include lab and satisfy the Natural Science General Education requirement.
⁵Select from CP SC courses numbered 300-level or higher. No more than six credits of CpSc 481 may be applied to this requirement. Up to 3 credits of approved 300-level or higher MTHSC or ECE courses may be substituted.
⁶Select from MTHSC 301, 302, 309 or 311. MTHSC 311 is required for all graphics courses.
⁷Select from School-approved list.
⁸Select from courses in A A H, ANTH, ART, CHIN, DANCE, ENGL, FR, GER, HUM, ITAL, JAPN, MUSIC, P A, PHIL, REL, RUSS, SPAN, THEA.
⁹MUSIC 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.