

B.S. in Computer Information Systems Curriculum

2005/2006-2006/2007 Academic Years

Computer Information Systems Bachelor of Science

Freshman Year

First Semester

4 – CP SC 101 Computer Science I
3 – ENGL 103 Accelerated Composition
4 – MTHSC 106 Calculus of One Variable I
3 – Social Science Requirement^{1,2}

14

Second Semester

4 – CP SC 102 Computer Science II
4 – MTHSC 108 Calculus of One Variable II
3 – MTHSC 119 Intro to Discrete Methods
3 – Arts and Humanities (Non literature) Requirement^{1,2}
3 – Social Science Requirement^{1,2}

17

Sophomore Year

First Semester

4 – CP SC 212 Algorithms and Data Structures
3 – Arts and Humanities (Literature) Requirement¹
3 – Humanities or Social Science Requirement^{2,3}
4 – Natural Science Requirement⁴
3 – Oral Communications Requirement¹

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 – MTHSC 210 Applied Matrix Algebra, *or*
3 – MTHSC 311 Linear Algebra
4 – Natural Science Requirement⁴

15

Junior Year

First Semester

3 – ACCT 201 Accounting Concepts I
3 – CP SC 322 Intro. To Operating Systems
3 – CP SC 372 Intro. Software Development
3 – ECON 211 Principles of Microeconomics
3 – MTHSC 301 Stat. Theory and Methods I

15

Second Semester

3 – ACCT 202 Accounting Concepts II
3 – CP SC 360 Networks and Network Programming
3 – CP SC 371 System Analysis *or*
3 – MGT 452 Systems Analysis and Design
3 – MGT 201 Principles of Management
3 – Elective

15

Senior Year

First Semester

3 – CP SC 462 Database Management Systems
1 – CP SC 491 Seminar in Professional Issues II⁵
3 – Advanced Writing Requirement¹
3 – Business Requirement⁶
3 – Computer Science Requirement⁷
3 – Information Systems Requirement⁸

16

Second Semester

3 – MGT 312 Decision Models for Management
3 – MKT 301 Principles of Marketing
3 – Business Requirement⁶
3 – Computer Science Requirement⁷
1 -- Elective

13

122 Total Semester Hours

¹Select to satisfy the University general education requirement for specified area. Social science courses must be from two different fields.

²Six of these credit hours must also satisfy General Education Cross-Cultural Awareness and Science and Technology in Society requirements.

³Select from Art and Art History, African American Studies, Anthropology, Art, Chinese, Communication Studies, Dance, East Asian Studies, Economics, English, French, Geography, German, History, Humanities, Italian, Japanese, Music, Performing Arts, Philosophy, Political Science, Psychology, Religion, Russian, Sociology, Spanish, Theatre, Women's Studies

⁴Select from one of the following sequences: BIOL 103, 104; 110, 111; CH 101, 102; 105, 106; PHYS 122/124, 221/223; 207/209, 208/210.

⁵CP SC H395 may be substituted for CP SC 491.

⁶Select from MGT 390, MGT 400 and FIN 306.

⁷Select from CP SC courses numbered 300 or higher.

⁸Select from MGT 452, 454, 455, 456, or 400-level CP SC course.

Notes:

1. For graduation, a candidate for the BS degree in Computer Information Systems 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.