COMPUTER SCIENCE – APPLIED OPTION

FIRST YEAR

Academic Year 2018-2019

Fall | Winter | Spring
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CS 160 | CS 161 | CS 162
Computer Science Orientation | Intro to Comp. Sci. I | Intro to Comp. Sci. II
F (3) | C++ | C++, C
CS 161 | C++ | F, W, S, U, E (4)
MTH 251 | MTH 252 | MTH 231
Differential Calculus | Integral Calculus | Discrete Math
COMM 111/114 | Perspectives
English Composition | Social Processes & Institutions
Alpha Sectioned | F, W, S, U (3)
F, W, S, U, E (3)
Perspectives
HHS 231 + 241/PAC | Perspectives
Lifetime Fitness | Biological Science
Perspectives
CS 161 | Perspectives
Intro to Comp. Sci. I | Social Processes & Institutions
C++ | F, W, S, U, E (3)
Perspectives
CS 162 | Perspectives
Intro to Comp. Sci. II | Physical Science
C++, C | F, W, S, U, E (3)
Perspectives
MTH 231 | Perspectives
Writing for Bus./English Comp. | Physical Science
Perspectives
MTH 252 | Perspectives
Difference, Power & Discrimination | F, W, S, U, E (3)
Electives | Perspectives
ST 314 | Cultural Diversity
Statistics for Engineers | F, W, S, U, E (3)
Perspectives
CS 261 | Perspectives
Data Structures | Literature & Arts
C | F, W, S, U, E (3)
Perspectives
CS 161 | Perspectives
Intro to Comp. Sci. II | Cultural Diversity
C++, C | F, W, S, U, E (3)
Perspectives
CS 162 | Perspectives
Data Structures
F, W, S, U, E (4)
Perspectives
CS 261 | Perspectives
Data Structures
C
F, W, S, U, E (4)
Perspectives
CS 161
Notes:
1. F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Summer, Ecampus)
2. (_): Represents the credits of the course
3. Arrows: Represents prerequisites and co-requisites for that course
4. Shaded courses are required prior to admission to the Professional Program
5. Summer Courses may be cancelled due to low enrollment
6. Students cannot S/U major courses
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THIRD YEAR

**Fall**
- CS 261, CS 271
- CS 361 Software Engineering I: F, W, U, E (4)
- Approved Applied Elective: (4)

**Winter**
- CS 261, MTH 231
- CS 362 Software Engineering II: W, S, E (4)
- Approved Applied Elective: (4)

**Spring**
- CS 261 & 271
- CS 381 Programming Language Fund.: W, S, U (4)
- Approved Applied Elective: (4)

**Fourth Year**

**Fall**
- CS 344 & 271
- CS 444 Operating Systems II: F, S (4)
- CS 461 Senior Capstone I: F (3)
- CS Elective: (3-4)

**Winter**
- Junior Standing
- CS 352 Intro. to Usability Engineering: W, E (4)

**Spring**
- CS 290
- CS 460 Introduction to Databases: F, S, E (4)
- CS 462 Senior Capstone II: W (3)
- CS 463 Senior Capstone III: S (2)

Notes:
1. Textured courses are Professional Program courses
2. Summer Courses may be cancelled due to low enrollment
3. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits
4. Experience with C programming is required to begin Professional Program courses
5. 180 total credits are needed to graduate
6. Approved Applied Plans require 32 credits approved by the Curriculum Committee
7. Students cannot S/U major courses