## COMPUTER SCIENCE – COMPUTER SYSTEMS OPTION

### FIRST YEAR

- **Fall**
  - **CS 160**
    - Computer Science Orientation
    - F (3)
  - **MTH 251**
    - Differential Calculus
    - F, W, S, U, E (4)
  - **WR 121**
    - English Composition
    - F, W, S, U, E (3)
  - **HHS 231 + 241/PAC**
    - Biological Science
    - F, W, S, U, E (4)

- **Winter**
  - **CS 161**
    - Intro to Comp. Sci. I
    - C++
    - F, W, S, U, E (4)
  - **MTH 252**
    - Integral Calculus
    - F, W, S, U, E (4)
  - **COMM 111/114**
    - Alpha Sectioned
    - F, W, S, U (3)
  - **Perspectives**
    - Cultural Diversity
    - F, W, S, U, E (3)

- **Spring**
  - **CS 162**
    - Intro to Comp. Sci. II
    - C++
    - F, W, S, U, E (4)
  - **MTH 231**
    - Discrete Math
    - F, W, S, U, E (4)
  - **Perspectives**
    - Western Culture
    - F, W, S, U, E (3)

### SECOND YEAR

- **Fall**
  - **CS 161**
    - Data Structures
    - C
    - F, W, S, U, E (4)
  - **MTH 254**
    - Vector Calculus I
    - F, W, S, U (4)
  - **Perspectives**
    - Literature & Arts
    - F, W, S, U, E (3)

- **Winter**
  - **WR 121**
    - Writing for Bus./English Comp.
    - F, W, S, U, E (3)
  - **MTH 306**
    - Matrix & Power Series Methods
    - F, W, S, U (4)
  - **Perspectives**
    - Cultural Diversity
    - F, W, S, U, E (3)

- **Spring**
  - **CS 261**
    - Data Structures
    - C
    - F, W, S, U, E (4)
  - **PH 212+222**
    - Physics with Calculus
    - F, W, S (5)
  - **ST 314**
    - Statistics for Engineers
    - F, W, S, U, E (3)

### 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
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. Students cannot S/U major courses