# Computer Science – Applied Option

## Academic Year 2015-2016

### First Year

**Fall**
- **CS 160**
  - Computer Science Orientation
  - F (3)
- **MTH 251**
  - Differential Calculus
  - F, W, S, U, E (4)
- **WR 121**
  - English Composition
  - Alpha Sectioned
  - F, W, S, U, E (3)
- **HHS 231 + 241/PAC**
  - Lifetime Fitness
  - F, W, S, U, E (2+1)

**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**
  - Speech
  - F, W, S, U (3)
- **HHS 231 + 241/PAC**
  - Lifetime Fitness
  - F, W, S, U, E (4)

**Spring**
- **CS 162**
  - Intro to Comp. Sci. II
  - C++, C
  - F, W, S, U, E (4)
- **MTH 231**
  - Discrete Math I
  - F, W, S, U, E (4)
- **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
# COMPUTER SCIENCE – APPLIED OPTION

## THIRD YEAR

### Academic Year 2015-2016

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>CS 261, CS 271</td>
<td>CS 261, MTH 231</td>
<td>CS 261 &amp; 271</td>
</tr>
<tr>
<td>Approved Elective (4)</td>
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## FOURTH YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>CS 344 &amp; 271</td>
<td>CS 340 Introduction to Databases F, S, E (4)</td>
<td>CS 290</td>
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<tr>
<td>CS 444 Operating Systems II F, S (4)</td>
<td>CS 391 Social/Ethical Issues (STS Synthesis) F, W, S, U, E (3)</td>
<td>CS 461 Senior Capstone I F (3)</td>
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<td>CS 361</td>
<td>CS 462 Senior Capstone II W (3)</td>
<td>CS 462</td>
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<tr>
<td>CS 362 &amp; 461 Must be taken sequentially: F, W, S</td>
<td>CS 463 Senior Capstone III S (2)</td>
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<td>Approved Elective (4)</td>
<td>Approved Elective (3-4)</td>
<td>Approved Elective (3-4)</td>
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### 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