# COMPUTER SCIENCE – APPLIED OPTION

## FIRST YEAR

### Academic Year 2018-2019

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 160</td>
<td>CS 161</td>
<td>CS 162</td>
</tr>
<tr>
<td>MTH 251</td>
<td>MTH 252</td>
<td>MTH 231</td>
</tr>
<tr>
<td>WR 121</td>
<td>COMM 111/114</td>
<td>Perspectives</td>
</tr>
<tr>
<td>HHS 231 + 241/PAC</td>
<td>Perspectives</td>
<td>Perspectives</td>
</tr>
<tr>
<td>MTH 112</td>
<td>MTH 251</td>
<td>MTH 231</td>
</tr>
<tr>
<td>Co-Req MTH 112</td>
<td>MTH 251</td>
<td>MTH 231</td>
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### Second Biological or Physical Science F, W, S, U, E (4)

### Perspectives

- Physical Science F, W, S, U, E (4)
- Cultural Diversity F, W, S, U, E (3)
- Literature & Arts F, W, S, U, E (3)

### Electives (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
COMPUTER SCIENCE – APPLIED OPTION

THIRD YEAR

Academic Year 2018-2019

Fall

CS 261
CS 361
Approved Applied Elective

Winter

CS 261, CS 271
CS 361, MTH 231
Approved Applied Elective

Spring

CS 261 & 271
CS 361, MTH 231
Approved Applied Elective

CS 344
Operating Systems I
F, W, U, E (4)

CS 325
Analysis of Algorithms
F, W, U, E (4)

CS 372
Intro. to Computer Networks
F, W, S, U, E (4)

CS 361
Software Engineering I
F, W, U, E (4)

CS 362
Software Engineering II
W, S, E (4)

CS 381
Programming Language Fund.
W, S, U (4)

Approved Applied Elective
(4)

Approved Applied Elective
(4)

CS Elective
(3-4)

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

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)

CS 352
Intro. to Usability Engineering
W, E (4)

Junior Standing

Winter

CS 361
CS 362 & 461
CS 391
Social/Ethical Issues
(STS Synthesis)
F, W, S, U, E (3)

CS Elective
(3-4)

CS 161

Spring

CS 462
Senior Capstone II
W (3)

CS Elective
(4)

CS Elective
(4)

CS 463
Senior Capstone III
S (2)

CS 340
Introduction to Databases
F, S, E (4)

CS 462

CS 290

Must be taken sequentially:
F, W, S

Junior Standing

Approved Applied Elective
(4)

Approved Applied Elective
(4)

Synthesis
Contemporary Global Issues
F, W, S, U, E (3)

Approved Applied Elective
(4)

Approved Applied Elective
(4)

Approved Applied Elective
(4)