COMPUTER SCIENCE – APPLIED OPTION (Corvallis Campus)

FIRST YEAR

**Fall**
- **ENGR 100**
  The Oregon State Engineering Student
  - F, W, S, U (3)
- **MTH 251**
  Differential Calculus
  - F, W, S, U (4)
- **WR 121Z**
  English Composition Alpha Sectioned
  - F, W, S, U (4)
- **HHS 231 + 241/PAC**
  Lifetime Fitness
  - F, W, S, U (2+1)

**Winter**
- **ENGR 102**
  Design Engineering And Problem Solving
  - F, W, S, U (3)
- **MTH 252**
  Integral Calculus
  - F, W, S, U (4)
- **COMM 111Z/114**
  Speech
  - F, W, S, U (3-4)
- **HHS 231 + 241/PAC**
  Lifetime Fitness
  - F, W, S, U (2+1)

**Spring**
- **ENGR 103**
  Engineering Computation and Algorithmic Thinking
  - F, W, S, U (3)
- **MTH 231**
  Discrete Math
  - F, W, S, U (4)
- **Perspectives**
  Social Processes & Institutions
  - F, W, S, U (3)
- **Perspectives**
  Biological Science
  - F, W, S, U (4)

**Notes:**
1. F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Summer)
2. ( _ ) : Represents the credits of the course
3. Arrows: Prerequisites and co-requisites for that course
4. Summer Courses may be cancelled due to low enrollment
5. Students cannot S/U major courses
6. 180 total credits are needed to graduate
7. Majority of courses are also offered through Ecampus

SECOND YEAR

**Fall**
- **ENGR 102 & co-req MTH 112**
- **CS 162**
  Intro to Comp. Sci. II
  - C++, C
  - F, W, S, U (4)
- **MTH 252**
  Integral Calculus
  - F, W, S, U (4)
- **Perspectives**
  Physical Science
  - F, W, S, U (4)

**Winter**
- **ENGR 103 or CS 161**
- **CS 271**
  Computer Arch. & Assembly Lang.
  - W, S, U (4)
- **MTH 231**
  Discrete Math
  - F, W, S, U (4)
- **Perspectives**
  Second Biological or Physical Science
  - F, W, S, U (4)

**Spring**
- **ENGR 103 or CS 161**
- **CS 261**
  Data Structures
  - C
  - F, W, S, U (4)
- **CS 271**
  Computer Arch. & Assembly Lang.
  - W, S, U (4)
- **CS 290**
  Web Development
  - F, S (4)

**Notes:**

Updated 6/7/2023
### COMPUTER SCIENCE – APPLIED OPTION (Corvallis Campus)

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Academic Year 2023-2024</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>CS 261 &amp; (CS 271 or ECE 271)</td>
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<tr>
<td>CS 344 Operating Systems I</td>
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<td>CS 361 Software Engineering I</td>
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<td>(F, W, U (4))</td>
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<td>Approved Applied Elective</td>
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<tr>
<td>CS 290</td>
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<td>(F, S, U (4))</td>
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2. ( ) : Represents the credits of the course
3. Arrows: Prerequisites and co-requisites for that course
4. Summer Courses may be cancelled due to low enrollment
5. Students cannot S/U major courses
6. 180 total credits are needed to graduate
7. Majority of courses are also offered online through Ecampus
8. Approved Applied Plans require a minimum of 32 credits approved by the Department
9. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits
10. Pick 4 of 5: Picked course cannot also be used as an Approved Applied Elective

#### FOURTH YEAR

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<tr>
<th><strong>Fall</strong></th>
<th><strong>Winter</strong></th>
<th><strong>Spring</strong></th>
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<tbody>
<tr>
<td>Synthesis</td>
<td>CS 461 &amp; CS 362</td>
<td>CS 462 &amp; CS 362</td>
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<td>Contemporary Global Issues</td>
<td>CS 461 Senior Capstone I</td>
<td>CS 463 Senior Capstone III</td>
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<td>CS 325, CS 361, &amp; CS 362</td>
<td>CS 462 Senior Capstone II</td>
<td>Unrestricted Electives</td>
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<td>CS Restricted Elective</td>
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<tr>
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<tr>
<td>Senior Capstone III</td>
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