

COLLEGE: Southwestern Oregon Community College  
 HIGH SCHOOL(S): North Bend ORCO Tech  
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CLUSTER: Information Technology  
 PATHWAY: Programming and Software Development  
 PROGRAM: AA Oregon Transfer  
Computer Science Focus

|   | GRADE   | ENGLISH  | MATH  | SCIENCE   | SOCIAL STUDIES                             | REQUIRED COURSES                             |                                |  |  |  |
|---|---|--|---|---|--|--|--------------------------------|--|--|--|
|   |   |  |   |   |  | RECOMMENDED ELECTIVE COURSES                 | OTHER ELECTIVE COURSES         | CAREER AND TECHNICAL EDUCATION COURSES |  |  |
| SECONDARY   | 9   | English I or Honors English I (3 HS cr)                            | Algebra I or Geometry (3 HS cr)                   | Physical Science (3 HS cr)                        | Geography/ Government Cultures (3 HS cr)   | ORCO Tech Elective (CS101) (3 HS cr)         | Elective(s) (3 HS cr)          |  | Health / PE / Applied or Fine Arts (3 HS cr) |  |
|   | 10  | English II or Honors English II (3 HS cr)                          | Geometry or Algebra II (3 HS cr)                  | Biology (3 HS cr)                                 | Civics/ Economics/ (3 HS cr)               | ORCO Tech Elective (CIS131) (3 HS cr) ♦♦     | Elective(s) (3 HS cr)          |  | Health / PE / Applied or Fine Arts (3 HS cr) |  |
|   | At end of 10th grade, assess for college readiness by administering ASSET/COMPASS; provide academic/career advising and apply appropriate enrichments |  |   |   |  |  |                                |  |  |  |
|   | 11  | English III or Honors English III (3 HS cr)                        | Alg II or Trig/Adv. Alg (MTH111/112) (3 HS cr) ♦♦ | Elective (Science Recm'd) (3 HS cr)               | US History (HST201, 202, 203) (3 HS cr) ♦♦ | Tech Elective (CIS6243) (3 HS cr) ♦          |                                | Foreign Lang. recm'd (3 HS cr)         | Health / PE / Applied or Fine Arts (3 HS cr) |  |
| 12  | Engl IV or Honors Engl IV / WR121 (3 HS cr) ♦♦  | Elective (Trig/Adv Alg (MTH111/112) or Calc (Mth 251) (3 HS cr) ♦♦ | Elective (Science Recm'd) (3 HS cr)               | Global Issues (1 HS Credit)                       | Tech Elective (CS6260) (3 HS cr) ♦         | Elective(s) (5 HS cr)                        | Foreign Lang. recm'd (3 HS cr) |  |  |  |
| Assess for college readiness by administering ASSET/COMPASS; provide academic/career advising and enrichments as needed |   |  |   |   |  |  |                                |  |  |  |
| POSTSECONDARY   | Year 1 1st Quarter  | WR121 Composition (3 Credit) ♦♦                                    | Mth111 Algebra (4 Credit) ♦♦                      | Mth/Science - CS Orientation (CS160) (4 Credit) ● |  | Arts/Letters Distr (3 Cr) ●                  | Elective (CS120) (4 Credit) ♦♦ |  |  |  |
|   | Year 1 2nd Quarter  | WR122 Composition (3 Credit) ●                                     | Mth112 Elem Functions (4 Credit) ♦♦               | Mth/Science - Intro to CS I (CS161) (4 Credit) ●  |  | Social Sci Distr (3 Cr) ●                    |                                |  |  |  |
|   | Year 1 3rd Quarter  | WR227 Report Writing (3 Credit) ●                                  | Mth251 Calculus I (4 Credit) ♦♦                   | Mth/Science - Intro to CS II (CS162) (4 Credit) ● |  | Elective (3 Credit) ●                        |                                |  |  |  |
|   | Year 2 1st Quarter  | Arts/Letters (3 Cr) ●  | Mth231 Discrete Mth I (3 Credit) ●                | Ph211 Physics w/Calculus (5Credit) ●              | Social Sci Distr (HST201) (3 Cr) ♦♦        | SP111 Fund.. Of Public Speaking (3 Credit) ● |                                |  |  |  |
|   | Year 2 2nd Quarter  | Arts/Letters (3 Cr) ●  | Mth252 Calculus II (4 Credit) ●                   | Ph212 Physics w/Calculus (5Credit) ●              | Social Sci Distr (HST202) (3 Cr) ♦♦        |  |                                |  |  |  |
|   | Year 2 3rd Quarter  | Arts/Letters (3 Cr) ●  | Mth253 CalculusIII (4 Credit) ●                   | Ph213 Physics w/Calculus (5Credit) ●              | Social Sci Distr (HST203) 3 Cr) ♦♦         |  |                                |  |  |  |



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| Required Courses  |
| Recommended Elective Courses  |
| Career and Technical Education Courses  |
| Credit-Based Transition Programs (e.g. Dual/Conc Enrollment, Articulated Courses, 2+2+2)  |
| (♦=High Sch to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)   |
| NOTE 1: Test Out opportunity may be requested for any Southwestern Course   |
| NOTE 2: All Southwestern courses not marked as ● are transferable as elective credit but are not specifically articulated to 4-yr degree. |
| Mandatory Assessments, Advising, and Additional Preparation   |

Rev: Feb. 2007