<u>COMPUTER SCIENCE – APPLIED OPTION (Corvallis Campus)</u>

FIRST YEAR

Academic Year 2024-2025

SECOND YEAR

Fall Winter Fall Spring Spring Winter ENGR 102, co-rea MTH 112Z ENGR 103 or CS 161 ENGR 103 or CS 161 Pick 4 of 3 CS 271 **CS 162 ENGR 100 ENGR 102 ENGR 103** CS 352, CS 370, Intro to Comp. Sci. II Computer Arch. & CS 372, CS 381, **Engineering** The Oregon State Engineering Student **Design Engineering** Assembly Lang. CS 474) Computation and C++, C And Problem Solving Algorithmic Thinking U, W, S (4) (4) U, F, W, S (4) F, W, S (3) F, W, S (3) F, W, S (3) MTH 111Z MTH 112Z MTH 251 (CS 225 or MTH 231), CS 162 CS 162 **CS 261 CS 290** Perspectives MTH 251 MTH 252 MTH 231 Data Structures Web Development **Discrete Math** Differential Calculus **Integral Calculus Physical Science** U, F, W, S (4) U, F, W, S (4) F, S (4) U, F, W, S (4) U, F, W, S (4) U, F, W, S (4) WR 121Z WR 121Z **WR 121Z COMM** Perspectives **WR 214 Perspectives WR 227Z** English Composition 111Z/114 **Social Processes Technical Writing Writing in Business Second Biological Alpha Sectioned** & Institutions or Physical Science Speech F, W, S (3) F, W, S (4) U. F. W. S (4) F, W, S (4) U, F, W, S (3) U, F, W, S (4/3) Perspectives HHS 231 + Perspectives **Perspectives** Perspectives Perspectives Difference. **Biological Science** Literature & Arts Western Culture **Cultural Diversity** 241/PAC Power & **Lifetime Fitness** Discrimination U, F, W, S (4) U, F, W, S (3) U, F, W, S (3) U, F, W, S (3) U, F, W, S (2+1) U, F, W, S (3)

> Jnrestricted Electives

> > (3)

Notes:

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

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THIRD YEAR **FOURTH YEAR** Academic Year 2024-2025 Fall Winter Spring Fall Spring Winter CS 261, (CS 271 or ECE 271) CS 261, (CS 225 or MTH 231) ick 4 of Pick 4 of 5 **Approved CS 325 Synthesis CS 374** (CS 352, CS 370, (CS 352, CS 370, **Applied Elective** Contemporary CS 372, CS 381, Analysis of CS 372, CS 381, Operating CS 474) Global Issues **Algorithms** CS 474) Systems I (4) (4) (4) U, F, W, S (3) U, F, W, S (4) F, W, S (4) CS 261 CS 261 CS 325, CS 361, CS 362 CS 462 CS 461. CS 362 Pick 4 of 5 **CS 361 CS 362 CS 461 CS 462 CS 463** (CS 352, CS 370, Software Software CS 372, CS 381, **Senior Capstone I Senior Capstone II Senior Capstone III** CS 474) **Engineering I Engineering II** (4) U, F, W (4) U, W, S (4) F (3) W (3) S (2) **Approved Approved Approved** CS **Applied Elective Restricted** Restricted **Applied Elective Applied Elective** Restricted Elective Elective **Elective** (4) (4) (4) (3)(3)(3) Junior Standing CS 290 CS 391 Approved **CS 340 Approved Approved Approved** Social/Ethical Issues **Applied Elective** Introduction to **Applied Elective Applied Elective Applied Elective Databases** (STS Synthesis) (4) (4) (4) U, F, S (4) (4) F, S (3) Unrestricted Electives Unrestricted Electives Notes: U, F, W, S: Represents the term the course is offered 180 total credits are needed to graduate.

Students cannot S/U major courses.

on-campus (Summer, Fall, Winter, Spring).

(): Represents the credits of the course.

Courses may also be offered through Ecampus.

Arrows: Prerequisites and co-requisites for that course.

Summer courses may be cancelled due to low enrollment.

- Approved Applied Plans require a minimum of 32 credits approved by the Department.
- 8. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits.
- CS 461, 462, 463 must be completed in the same academic year

(3)

(3)