

# COMPUTER SCIENCE – COMPUTER SYSTEMS OPTION

## FIRST YEAR

## *Academic Year 2024-2025*

## SECOND YEAR

Fall                      Winter                      Spring                      Fall                      Winter                      Spring

**ENGR 100**  
The Oregon State  
Engineering Student  
F, W, S (3)

**ENGR 102**  
Design Engineering  
And Problem Solving  
F, W, S (3)

ENGR 102 & co-req MTH 112Z  
↙  
**ENGR 103**  
Engineering  
Computation and  
Algorithmic Thinking  
F, W, S (3)

ENGR 103  
↙  
**CS 162**  
Intro to Comp. Sci. II  
C++, C  
U, F, W, S (4)

MTH 231 & CS 162  
↙  
**CS 261**  
Data Structures  
C  
U, F, W, S (4)

CS 162  
↙  
**CS 290**  
Web Development  
F, S (4)

MTH 112Z  
↙  
**MTH 251**  
Differential Calculus  
U, F, W, S (4)

MTH 251  
↙  
**MTH 252**  
Integral Calculus  
U, F, W, S (4)

MTH 111Z  
↙  
**MTH 231**  
Discrete Math  
U, F, W, S (4)

MTH 252  
↙  
**MTH 254**  
Vector Calculus I  
U, F, W, S (4)

MTH 252  
↙  
**MTH 264**  
Intro to Matrix  
Algebra  
U, F, W, S (2)

Co-req MTH 231 or MTH 251  
↙  
**ECE 271 + 272**  
Digital Logic Design  
& Lab  
U, F, S (3+1)

**WR 121Z**  
English Composition  
Alpha Sectioned  
F, W, S (4)

**COMM 111Z/114**  
Speech  
U, F, W, S (4/3)

**Perspectives Cultural Diversity**  
U, F, W, S (3)

WR 121Z  
↙  
**WR 214**  
Writing in Business  
F, W, S (3)

MTH 252  
↙  
**MTH 265**  
Intro to Series  
U, F, W, S (2)

MTH 252  
↙  
**ST 314**  
Statistics for  
Engineers  
F, W, S (3)

**HHS 231 + 241/PAC**  
Lifetime Fitness  
U, F, W, S (2+1)

**Perspectives Biological Science**  
U, F, W, S (4)

**Perspectives Western Culture**  
U, F, W, S (3)

**Perspectives Physical Science**  
U, F, W, S (4)

**Perspectives Second Biological or Physical Science**  
U, F, W, S (4)

CS 261 & MTH 231  
↙  
**CS 381**  
Programming  
Language Fund.  
U, W, S (4)

**Unrestricted Electives**  
  
(2)

**Perspectives Literature & Arts**  
  
U, F, W, S (3)

**Notes:**

1. U, F, W, S: Represents the term the course is offered on-campus (Summer, Fall, Winter, Spring)
2. Courses may also be offered through Ecampus
3. ( \_ ) : Represents the credits of the course
4. Arrows: Represents prerequisites, co-requisites, and recommendation 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

# COMPUTER SCIENCE – **COMPUTER SYSTEMS** OPTION

## THIRD YEAR

## *Academic Year 2024-2025*

## FOURTH YEAR

Fall

Winter

Spring

Fall

Winter

Spring

CS 261 & (ECE 271 or CS 271)



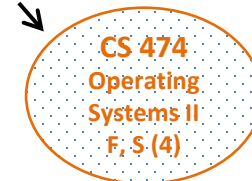
ECE 271, rec CS 261



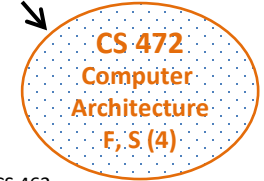
CS 261 & (ECE 271 or CS 271)



CS 374 & (ECE 375 or CS 271)



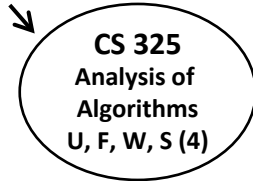
ECE 375



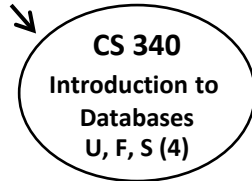
Co-req CS 374



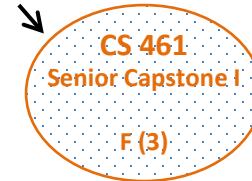
CS 261 & MTH 231



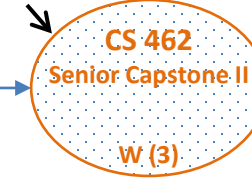
CS 290



CS 361, CS 362, & CS 325



CS 461



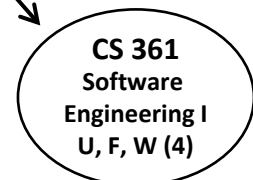
CS 462



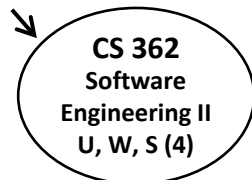
CS 261 & MTH 231



CS 261



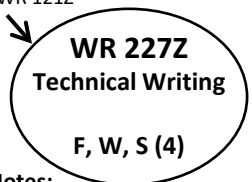
CS 261



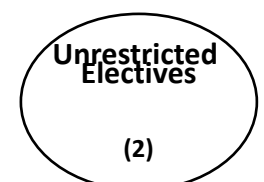
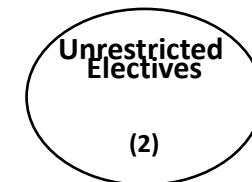
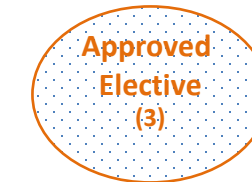
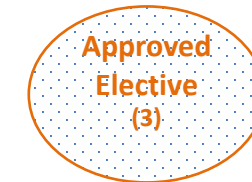
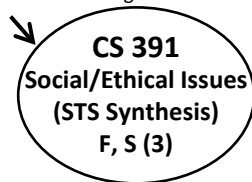
CS 374, CS 381, & CS 321



WR 121Z



Junior standing



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5. Students cannot S/U major courses
6. 180 total credits are needed to graduate
7. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits
8. Approved Electives can be any coursework except CS or ECE
9. CS 461, 462, 463 must be completed in the same academic year