

# COMPUTER SCIENCE – **COMPUTER SYSTEMS** OPTION

## FIRST YEAR

## *Academic Year 2023-2024*

## SECOND YEAR

Fall                      Winter                      Spring                      Fall                      Winter                      Spring

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Unrestricted  
Electives**  
  
(2)

**Perspectives  
Literature & Arts**  
  
F, W, S, U, E (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, co-requisites, and recommendation 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

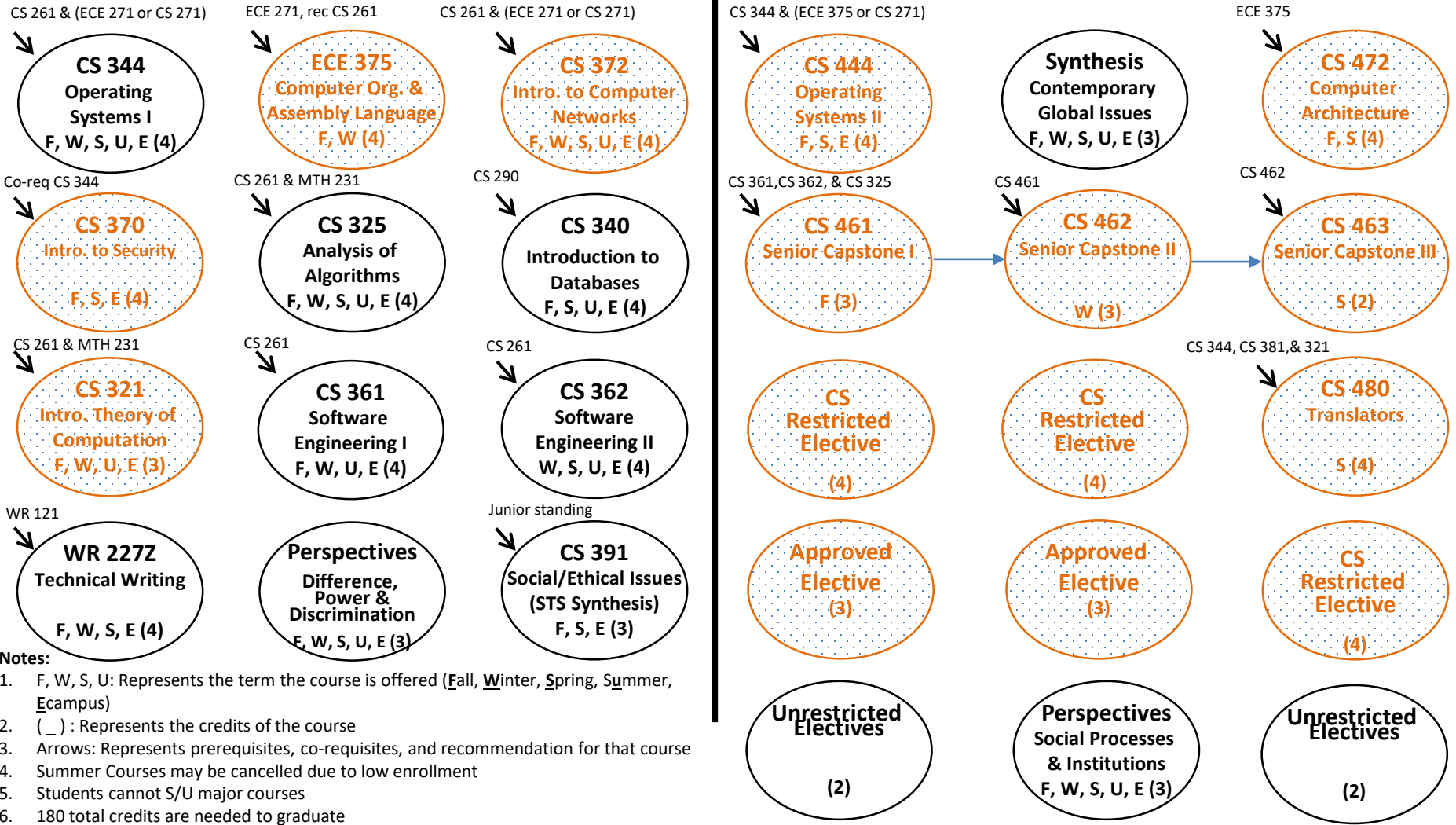
# COMPUTER SCIENCE – COMPUTER SYSTEMS OPTION

## THIRD YEAR

## *Academic Year 2022-2023*

## FOURTH YEAR

Fall                      Winter                      Spring                      Fall                      Winter                      Spring



- Notes:**
- F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Summer, Ecampus)
  - ( \_ ): Represents the credits of the course
  - Arrows: Represents prerequisites, co-requisites, and recommendation for that course
  - Summer Courses may be cancelled due to low enrollment
  - Students cannot S/U major courses
  - 180 total credits are needed to graduate
  - CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits
  - Approved Electives can be any coursework except CS or ECE
  - CS 461, 462, 463 must be completed in the same academic year