

# COMPUTER SCIENCE – APPLIED OPTION (On-Campus)

## FIRST YEAR

## Academic Year 2021-2022

## 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 112  
↙  
**ENGR 103**  
Engineering  
Computation and  
Algorithmic Thinking  
W, S (3)

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

ENGR 103  
↙  
**CS 271**  
Computer Arch. &  
Assembly Lang.  
W, S, U (4)

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

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

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

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

WR 121  
↙  
**WR 214/222**  
Writing for Bus./  
English Comp.  
F, W, S, U (3)

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

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

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

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

**Perspectives**  
Social Processes  
& Institutions  
F, W, S, U (3)

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

**Perspectives**  
Difference,  
Power &  
Discrimination  
F, W, S, U (3)

WR 121  
↙  
**WR 327**  
Technical Writing  
F, W, S (3)

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

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

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

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

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

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

**Unrestricted  
Electives**  
  
(3)

**Unrestricted  
Electives**  
  
(3)

**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

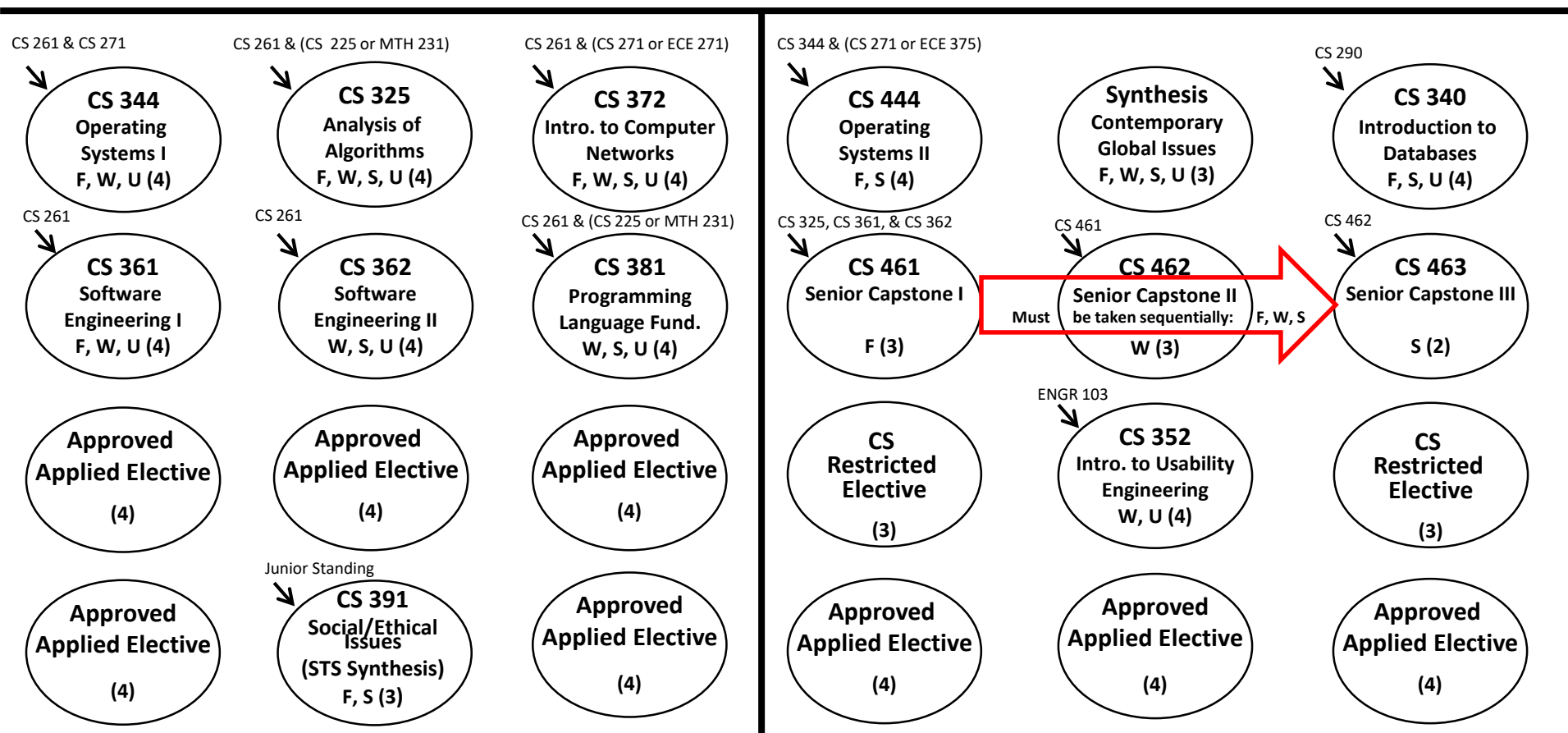
# COMPUTER SCIENCE – APPLIED OPTION (On-Campus)

## THIRD YEAR

## Academic Year 2021-2022

## FOURTH YEAR

Fall                      Winter                      Spring                      Fall                      Winter                      Spring



**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 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

**Unrestricted Electives**  
(3)