

COMPUTER SCIENCE – COMPUTER SYSTEMS OPTION

FIRST YEAR

Academic Year 2021-2022

SECOND YEAR

Fall
Winter
Spring
Fall
Winter
Spring

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

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

ENGR 102 & co-req MTH 112
 ↘
ENGR 103
 Engineering
 Computation and
 Algorithmic Thinking
 W, S, E (3)

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

MTH 231 & CS 162
 ↘
CS 261
 Data Structures
 C
 F, W, S, U, E (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)

MTH 231 or MTH 251
 ↘
ECE 271 + 272
 Digital Logic Design
 & Lab
 F, S, U (3+1)

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

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

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

Perspectives
 Literature & Arts
 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)

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

Unrestricted
Electives

 (2)

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

COMPUTER SCIENCE – COMPUTER SYSTEMS OPTION

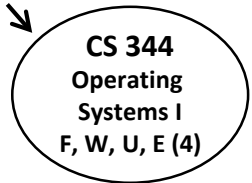
THIRD YEAR

Academic Year 2021-2022

FOURTH YEAR

Fall Winter Spring Fall Winter Spring

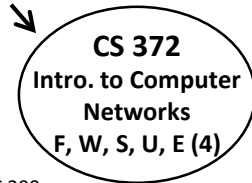
CS 261 & (ECE 271 or CS 271)



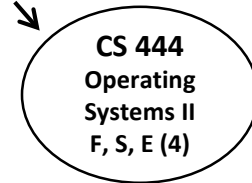
ECE 271, rec CS 261



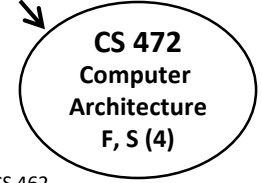
CS 261 & (ECE 271 or CS 271)



CS 344 & (ECE 375 or CS 271)



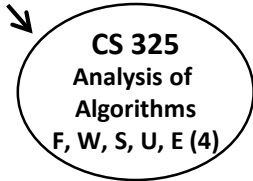
ECE 375



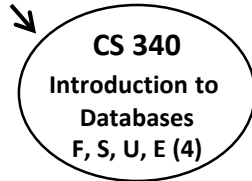
Co-req CS 344



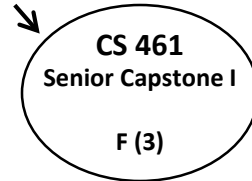
CS 261 & MTH 231



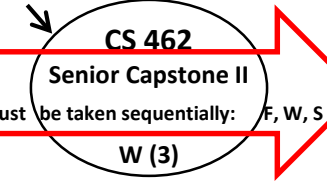
CS 290



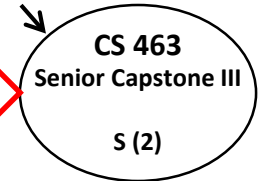
CS 361, CS 362, & CS 325



CS 461



CS 462

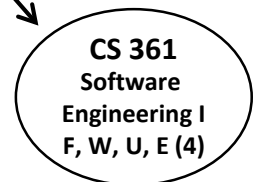


Must be taken sequentially: F, W, S

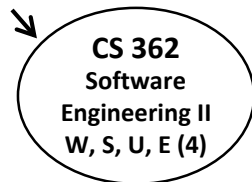
CS 261 & MTH 231



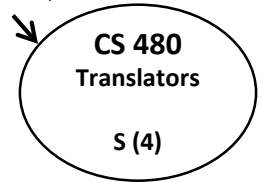
CS 261



CS 261



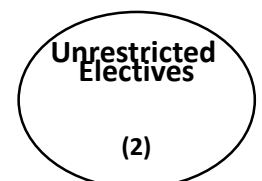
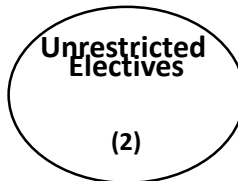
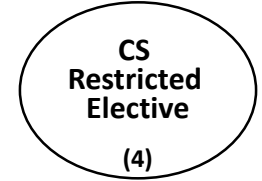
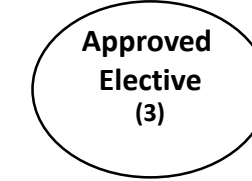
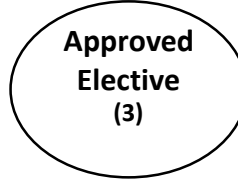
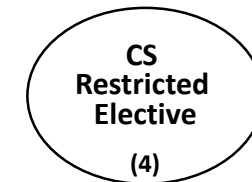
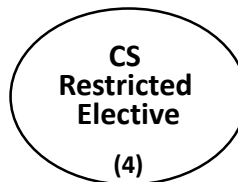
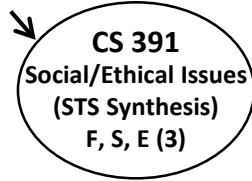
CS 344, CS 381, & 321



WR 121



Junior standing



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 - 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