

ELECTRICAL & COMPUTER ENGINEERING

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)

MTH 251 & MTH 252
↙
ENGR 201
Electrical
Fundamentals I
F, W, S, U (3)

ENGR 201
↙
ENGR 202
Electrical
Fundamentals II
W, S, U (3)

ENGR 201, ENGR 202 & MTH 256
↙
ENGR 203
Electrical
Fundamentals III
F, S, U (3)

Co-Req MTH 111
↙
CH 201
Chemistry for
Engineers
F, W (3)

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

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

REC MTH 251, Co-Req MTH 252
↙
PH 211
Physics with
Calculus
F, W, S, U (4)

PH 211, REC MTH 252, & Co-Req MTH 254
↙
PH 212
Physics with
Calculus
F, W, S (4)

REC PH 212 & REC MTH 254
↙
PH 213
Physics with
Calculus
W, S, U (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 252
↙
MTH 254
Vector Calculus
F, W, S, U (4)

MTH 254
↙
MTH 256
Differential
Equations
F, W, S, U (4)

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

MTH 254
↙
MTH 255
Vector Calculus II
F, W, S, U (4)

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

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

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

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

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

Co-req MTH 231 or co-req MTH 251
↙
ECE 271&2
Digital Logic Design
& Lab
F, S, U (3+1)

HHS 231
Lifetime Fitness
F, W, S, U, E (2+1)

PAC
Physical Activity
F, W, S, U, E (1)

Notes:

1. F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Unclassified)
2. (_): Represents the credits of the course
3. Arrows: Represents prerequisites, co-requisites
4. Summer Courses may be cancelled due to low enrollment
5. 180 total credits are needed to graduate
6. Students cannot S/U major courses

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

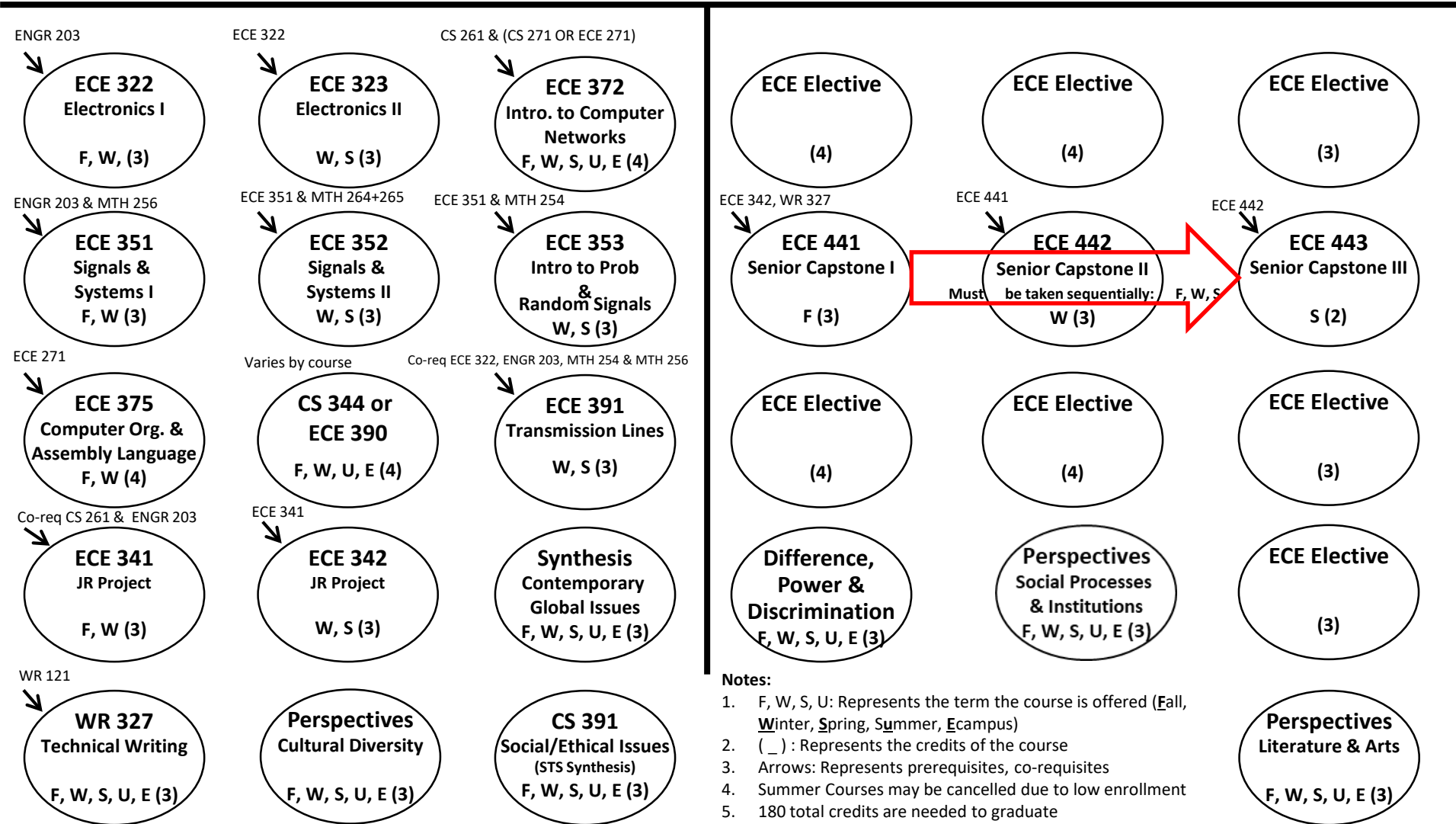
ELECTRICAL & COMPUTER ENGINEERING

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, Ecampus)
2. (_) : Represents the credits of the course
3. Arrows: Represents prerequisites, co-requisites
4. Summer Courses may be cancelled due to low enrollment
5. 180 total credits are needed to graduate
6. Students cannot S/U major courses
7. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits