CS CYBERSECURITY – Corvallis Campus – CoreEd – Academic Year 2025/26

YEAR 1

Fall	Winter	Spring
ENGR 110, 115 [1,3] Transitions, The OSU Engineering Student F, W, S (3)	**ENGR 102** [3] Design Engineering & Problem Solving [ENGR 110*/310*] F, W, S (3)	**ENGR 103** Engineering Computation & Algorithmic Thinking [ENGR 102, MTH 112Z*] F, W, S (3)
MTH 251Z [3] Differential Calculus [MTH 112Z] F, W, S, U (4)	**MTH 252Z** Integral Calculus [MTH 251Z] F, W, S, U (4)	**MTH 231** Elements of Discrete Mathematics [MTH 111Z] F, W, S, U (4)
WR 121Z [3] Composition I [Alpha-Sanctioned] F, W, S, U (4)	**COMM 111Z/114** [3] Public Speaking/Argument & Critical Discourse F, W, S, U (3/4)	**Arts & Humanities (Global)** [4] F, W, S, U (3/4)
Arts & Humanities (General) [4] F, W, S, U (3/4)	**Scientific Inquiry & Analysis** [4] F, W, S, U (3/4)	**Scientific Inquiry & Analysis** [4] F, W, S, U (3/4)

YEAR 2

Fall	Winter	Spring
CS 162 Introduction to Computer Science II [ENGR 103] F, W, S, U	**CS 261** Data Structures [CS 162, MTH 231] F, W, S, U (4)	**CS 175** Communications Security & Social Movements S (3)
WR 314 Writing in Business [WR 121Z] F, W, S, U (4)	**CS 271** Computer Architecture & Assembly Language [ENGR 103] W, S, U	**CS 290** Web Development [CS 162] F, S (4)
Difference, Power & Oppression (Foundations) [4] F, W, S, U (3/4)	**Seeking Solutions** [4] F, W, S, U (3/4)	**WR 227Z** [3] Technical Writing [WR 121Z] F, W, S (4)
Unrestricted Elective [6] (4)	**Social Sciences** [4] F, W, S, U (3/4)	**Unrestricted Electives** [6] (4)

Unrestricted Electives [6]
(4)

General Information:

- ✓ 180 total credits are required for a student to graduate.
- ✓ Students cannot S/U major courses.
- ✓ Summer classes may be cancelled due to low enrollment.
- ✓ When courses are available is subject to change and may not be fully reflected in this schedule. Please reference the *OSU Course Catalog* and the *25/26 EECS Course Forecast* often.
- ✓ This is a *sample* plan only. It follows a traditional 4-year course sequence (Fall – Spring) with 14-16 credits per term. Transfer courses and course availability may alter what is taken each term. See your EECS advisor to build an alternative course schedule.
- ✓ Corvallis Campus CS Cybersecurity students will choose between two tracks, (A) Security, and (B) Security Operations. Track A students take the traditional senior capstone sequence - CS 461, 462, 463. The capstone project might not be Cybersecurity-related. Track B students take Cybersecurity-focused Practicum sequence – CS 424 + 428, 425, 426.

SECURITY TRACK – CS Cybersecurity – Corvallis – CoreEd – Academic Year 2025/26

YEAR 3

Fall

CS 374
Operating Systems I
[CS 271/ECE 271, CS 261]
F, W, S
(4)

CS 361
Software Engineering I
[CS 261]
F, W
(4)

CS 370
Introduction to Security
[CS 374*]
F, S
(4)

CS 340
Introduction to Databases
[CS 290]
F, S
(4)

Winter

CS 321
Introduction to Theory of Computation
[CS 261, MTH 231]
F, W
(3)

CS 362
Software Engineering II
[CS 261]
W, S
(4)

CS 372
Introduction to Computer Networks
[CS 261, CS/ECE 271]
F, W, S
(4)

Cybersecurity [5] Elective
(3)

Spring

CS 325
Analysis of Algorithms
[CS 261, MTH 231]
F, W, S
(4)

CS 391
Social & Ethical Issues in Computer Science
[Junior Standing]
F, S
(4)

CS 473
Introduction to Digital Forensics
[CS 370, CS 374]
S
(4)

Cybersecurity [5] Elective
(4)

YEAR 4

Fall

CS 461 [2]
Senior Software Engineering Project I
[CS 325, CS 361, CS 362]
F
(3)

CS 352
Introduction to Usability Engineering
[ENGR 103]
F
(4)

CS 474
Operating Systems II
[CS 271/ECE 375, CS 374]
F, S
(4)

Contemporary Global Issues [4]
F, W, S, U
(3/4)

Winter

CS 462 [2]
Senior Software Engineering Project II
[CS 362, CS 461]
W
(3)

CS 373
Defense Against the Dark Arts
[CS 340, CS 374, CS/ECE 372]
W
(4)

CS 427
Cryptography
[CS 261]
W
(4)

Cybersecurity [5] Elective
(4)

Spring

CS 463 [2,3]
Senior Software Engineering Project III
[CS 462]
S
(2)

CS 478
Network Security
[CS/ECE 372]
S
(4)

ENGR 330 [3]
Inclusive & Equitable Engineering
F, W, S, U
(3)

Cybersecurity [5] Elective
(4)

Unrestricted [6] Elective
(1)

Cybersecurity [5] Elective
(3)

Footnotes (CS Cybersecurity – SECURITY TRACK):

1. Transfer students will take ENGR 310 (2 credits) instead of both ENGR 110 (2 credits) and ENGR 115 (1 credit).
2. CS 461, 462, 463 is the senior capstone sequence that must be completed in the same academic year (Fall – Spring).
3. **Major-Required CoreEd course –** Satisfies 2 degree requirements: a major-specific, and a CoreEd. **Students cannot S/U.**
4. **General CoreEd course –** Student can select a CoreEd course of their choice within the category. **Students can S/U.**
5. **Cybersecurity Elective –** CS (or other Pre-Approved Non-CS) course not being used to satisfy any other major requirement. Connect with your EECS advisor for list of Pre-Approved Non-CS Courses. Security Track students need to complete 22 credits of Cybersecurity elective coursework.
6. **Unrestricted Elective –** *Any* course that is not already being used to satisfy any of your major requirements. Its only purpose is to help you reach the minimum 180 credits required to graduate. Some may need to take Unrestricted Electives to reach 180 credits. Work with your EECS advisor for assistance on this.

Revised 8/22/2025

SECURITY OPERATIONS TRACK – CS Cybersecurity – Corvallis – CoreEd – AY 2025/26

	Fall	Winter	Spring		Fall	Winter	Spring

YEAR 3

CS 374
Operating Systems I
[CS 271/ECE 271, CS 261]
F, W, S, U
(4)

CS 321
Introduction to Theory of Computation
[CS 261, MTH 231]
F, W, U
(3)

CS 325
Analysis of Algorithms
[CS 261, MTH 231]
F, W, S, U
(4)

YEAR 4

CS 424 [2]
Cybersecurity Practicum I
[CS 370, CS/ECE 372]
F
(5)

CS 425 [2]
Cybersecurity Practicum II
[CS 424]
W
(5)

CS 426 [2,3]
Cybersecurity Practicum III
[CS 425]
S
(4)

CS 361
Software Engineering I
[CS 261]
F, W
(4)

CS 362
Software Engineering II
[CS 261]
W, S
(4)

CS 391
Social & Ethical Issues in Computer Science
[Junior Standing]
F, S
(4)

CS 428 [2,3]
Cybersecurity Capstone Project
[CS 424*, WR 227Z]
F
(3)

CS 373
Defense Against the Dark Arts
[CS 340, CS 374, CS/ECE 372]
W
(4)

CS 312
System Administration
[CS 374, CS/ECE 372]
S
(4)

CS 370
Introduction to Security
[CS 374*]
F, S
(4)

CS 372
Introduction to Computer Networks
[CS 261, CS/ECE 271]
F, W, S
(4)

CS 473
Introduction to Digital Forensics
[CS 370, CS 374]
S
(4)

CS 474
Operating Systems II
[CS 271/ECE 375, CS 374]
F, S
(4)

CS 427
Cryptography
[CS 261]
W
(4)

CS 478
Network Security
[CS/ECE 372]
S
(4)

CS 340
Introduction to Databases
[CS 290]
F, S
(4)

Cybersecurity [5]
Elective
(3)

Cybersecurity [5]
Elective
(3)

Cybersecurity [5]
Elective
(3)

Cybersecurity [5]
Elective
(3)

ENGR 330 [3]
Inclusive & Equitable Engineering
F, W, S, U
(3)

Footnotes (CS Cybersecurity – SECURITY OPERATIONS TRACK):

1. Transfer students will only take ENGR 310 (2 credits) instead of both ENGR 110 (2 credits) and ENGR 115 (1 credit).
2. CS 424 + 428, 425, 426 is the senior practicum sequence that must be completed in the same academic year (Fall – Spring).
3. **Major-Required CoreEd course** – Satisfies 2 degree requirements: a major-specific, and a CoreEd. **Students cannot S/U.**
4. **General CoreEd course** – Student can select a CoreEd course of their choice within the category. **Students can S/U.**
5. **Cybersecurity Elective** – CS (or other Pre-Approved Non-CS) course not being used to satisfy any other major requirement. Connect with your EECS advisor for list of Pre-Approved Non-CS Courses. Security Operations Track students need to complete 13 credits of Cybersecurity elective coursework.
6. **Unrestricted Elective** – *Any* course that is not already being used to satisfy any of your major requirements. Its only purpose is to help you reach the minimum 180 credits required to graduate. Some may need to take Unrestricted Electives to reach 180 credits. Work with your EECS advisor for assistance on this.

Unrestricted [6]
Electives
(1)

Revised 8/22/2025