

2024-25 ELECTIVE LIST FOR B.ENG SOFTWARE ENGINEERING STUDENTS (BENG-8P)

ALL CALENDAR PREREQUISITES MUST BE MET AND AVAILABILITY TO B.ENG STUDENTS IS SPACE PERMITTING

PLEASE REFER TO THE [UNDERGRADUATE CALENDAR](#) FOR ALL PREREQUISITES AND PRECLUSIONS

FOR ADDITIONAL IMPORTANT INFORMATION INCLUDING PREREQUISITES FOR ALL COMP 4900 SPECIAL TOPICS COURSES, SEE THE 'SECTION INFORMATION' ON THE [PUBLIC CLASS SCHEDULE](#) FOR EACH COURSE

Fall 2024

COMP 2108 – Applied Cryptography and Authentication

Renumbered from COMP 3109. Precludes additional credit for COMP 3109 and COMP 4109.

COMP 3008 – Human-Computer Interaction

COMP 3801 – Algorithms for Modern Data Sets

COMP 3803 – Introduction to Theory of Computation

COMP 4114 - Quantum Computing and Information

COMP 4804 – Design and Analysis of Algorithms II

COMP 4900 D (31339) – Special Topics: Geometry Processing

Winter 2025

COMP 2108 – Applied Cryptography and Authentication

Renumbered from COMP 3109. Precludes additional credit for COMP 3109 and COMP 4109.

COMP 3002 - Compiler Construction

Only students who took SYSC 2100 prior to Fall 2022 are eligible for this course--SYSC 2100 is no longer equivalent to COMP 2402.

COMP 3008 – Human-Computer Interaction

COMP 4102 – Computer Vision

COMP 4107 – Neural Networks

Calendar prereqs are COMP 3105 and (MATH 1104 or 1107). We will allow B.Eng students to use SYSC 4415 as an acceptable prerequisite instead of COMP 3105. SYSC 4415 and COMP 3105 preclude each other for additional credit.

COMP 4202 – Computational Aspects of Geographic Information Systems

COMP 4203 – Wireless Networks and Security (TBD—not being offered at this time)

COMP 4900 A (11263) – Special Topics: Quantum Communications and Networking

COMP 4900 C (11264) – Special Topics: Texture and Pattern Synthesis

COMP 4900 E (11265) – Special Topics: Real-Time Operating Systems

Please note: multiple COMP 4900 courses may be taken as long as the topics are different.