

## 2023-24 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 2023**

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 – (Special Topics): Geometry Processing

### **Winter 2024**

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 4003 – Transaction Processing Systems

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

COMP 4900 B – (Special Topics): Advanced Database Systems

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

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