Course Schedule 2023–2028

Course Code	Course Title	Summer 2023	Fall 2023	Spring 2024	Summer 2024	Fall 2024	Spring 2025	Summer 2025	Fall 2025	Spring 2026	Summer 2026	Fall 2026	Spring 2027	Summer 2027	Fall 2027	Spring 2028	Summer 2028
CIIC 3015	Introduction to Computer Programming I		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 3075	Foundations of Computing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CIIC 3081	Computer Architecture I		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4010	Advanced Programming		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4020	Data Structures		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4025	Design and Analysis of Algorithms		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4030	Programming Languages		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4050	Operating Systems		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4151	Capstone CIIC		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4060	Database Systems		✓	✓	✓	✓	✓		✓	✓		✓	✓		✓	✓	
CIIC 4070	Computer Networks			✓			✓			✓			✓			✓	
CIIC 4082	Computer Architecture II		✓	✓	✓		✓		✓	✓		✓	✓		✓	✓	
CIIC 5045	Automata and Formal Languages		✓			✓			✓			✓			✓		
INSO 4101	Introduction to Software Engineering		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
INSO 4115	Software Requirements			✓			✓			✓			✓			✓	
INSO 4116	Software Design		✓			✓			✓			✓			✓		
INSO 4117	Software Testing			✓			✓			✓			✓			✓	
INSO 4151	Capstone INSO		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	

Other Courses that count as Elective or Technical Electives for both programs. Note that the courses. INSO 4115, INSO 4116, and INSO 4117 count as technical electives to student in the CIIC program. The course CIIC 5045 counts as a technical elective for students in the INSO program.

Course Code	Course Title	Summer 2023	Fall 2023	Spring 2024	Summer 2024	Fall 2024	Spring 2025	Summer 2025	Fall 2025	Spring 2026	Summer 2026	Fall 2026	Spring 2027	Summer 2027	Fall 2027	Spring 2028	Summer 2028
CIIC 5015	Artificial Intelligence						✓						✓				
CIIC 5018	Cryptography and Network Security		✓			✓			✓			✓			✓		
CIIC 5019	High-Performance Computing		✓						✓						✓		
CIIC 5029	Compilers Development			✓						✓						✓	
CIIC 5110	Bioinformatics Algorithms						✓						✓				
CIIC 5120	Virtual Machines			✓						✓						✓	
CIIC 5130	Cloud Computing Infrastructures						✓						✓				
CIIC 5140	Big Data Analytics		✓						✓						✓		
INSO 5111	Introduction to Human-Computer Interaction			✓						✓						✓	
INSO 5118	Software Engineering Project Management					✓						✓					
CIIC 5150	Machine Learning Algorithms					✓						✓					
CIIC/INSO 4995	Engineering Practice for COOP Students	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CIIC 4998	Undergraduate Research in CSE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CIIC 5995	Selected Topics in CSE		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INSO 4998	Undergraduate Research in SWE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

The courses CIIC/INSO 4998 and CIIC 5995 are offered whenever requested by a professor and there are enough students to register as established by the applicable certi[fication]

The courses CIIC/INSO 4995 are offered whenever there are students in the COOP program who register for the course.

Other courses CIIC/INSO 5xxx are offered based on student demand, and it is expected to offer an average of three of those courses during the first and second semesters.

Changes to this schedule can occur depending on the resources available and students demand.