REPRESENTATIVE COURSE SEQUENCE
COMPUTER SCIENCE (CS)

Freshman Year

First Semester	Second Semester
CSE 1104 - Introduction to Engineering	CSE 1325 - Object-Oriented Programming in Java
CSE 1105 - Introduction to CSE	ENGL 1302 - Critical Thinking, Reading and Writing II
CSE 1320 - Intermediate Programming	MATH 2425 - Calculus II
ENGL 1301 - Critical Thinking, Reading and Writing I	PHYS 1443 – General Technical Physics I
MATH 1426 - Calculus I	HIST 1312 - History of the United States
HIST 1311 - History of the United States	Total Credit 17 Hours
Total Credit 15 Hours	

Sophomore Year

First Semester	Second Semester
CSE 2315 - Discrete Structures	CSE 2320 - Algorithms & Data Structures
CSE 2312 - Computer Organization & Assembly Language Programming	IE 3301 - Engineering Probability
MATH 2326 - Calculus III	MATH 3330 - Introduction to Matrices & Linear Algebra
PHYS 1444 – General Technical Physics II	POLS 2312 - State & Local Government
POLS 2311 - Government of the United States	COMS 3302 – Professional and Technical Communication
Total Credit 16 Hours	Total Credit 15 Hours

Junior Year

First Semester	Second Semester
CSE 3310 - Fundamentals of Software Engineering	CSE 3302 - Programming Languages
CSE 3315 - Theoretical Concepts in CSE Structures	CSE 3320 - Operating Systems
CSE 3322 - Computer Architecture	CSE 3330 - Database Systems & File
IE 3312 - Engineering Economy	CSE 4308 – Artificial Intelligence
Literature Elective, 3 hours	Science Elective, 4 hours
Total Credit 15 Hours	Total Credit 16 Hours

Senior Year

First Semester	Second Semester
CSE 4316 – Computer System Design Project I	CSE 4317 – Computer System Design Project II
Technical Electives, 6 hours	Technical Electives, 6 hours
Math Elective, 3 hours	Fine Arts Elective, 3 hours
Social/Cultural Elective, 3 hours	
Total Credit 15 Hours	Total Credit 12 Hours

TOTAL CREDIT HOURS = 121 hours, plus modern and classical language as required.