A minimum of 52 s.h. in the following courses is required.

- CSC 130 (4) – Computer Science I
- CSC 230 (4) – Computer Science II
- CSC 330 (4) – Computer Science III
- CSC 331 (4) - Algorithm Analysis
- CSC 335 (4) – Programming Languages
- CSC 342 (4) – Computer Systems
- CSC 442 (4) – Mobile Computing
- CSC 462 (4) – Software Development/Capstone
- MTH 206 (4) – Discrete Structures

Choose one (4 s.h.) course from the following:
- MTH 221 (4) – Calculus II
- MTH 306 (4) – Applied Matrix Theory

Choose one course (4 s.h.) beyond core math requirement:

- Probability/Statistics: if core math requirement was
  MTH 121 then MTH 112 - General Statistics or a probability and / or statistics course.

-OR-
- Quantitative Analysis: if core math requirement was
  MTH 112 or 212 then MTH 121- Calculus I

Choose two (8 s.h.) courses from the following:

- CSC 410 (4) – Artificial Intelligence
- CSC 415 (4) – Numerical Analysis
- CSC 420 (4) – Game Programming and Computer Graphics
- CSC 430 (4) – Advanced Programming Concepts
- CSC 431 (4) – High Performance Computing
- CSC 499 (4) – Research
- CSC 300-400 level elective (4)

Major Total (s.h.)