Computer Science Curriculum Flowchart (120 credits)

Freshman
Fall 14 credits
- EGR 111 Intro. Engin. & Comput. [3] (Fall)

Freshman
Spring 14 credits
- University Studies 3B Elective [3] (Spring/Fall)

Sophomore
Fall 15 credits
- CIS 180 Object-Oriented Prog. I [4] (Fall/Spring)
- ENL 101 Crit Writing & Reading I [3] (Fall/Spring)

Sophomore
Spring 14 credits
- MTH 154 (or 152) Calculus Appl. Sci. Engin. II [4] (Spring/Fall)
- CIS 181 Object-Oriented Prog. II [4] (Spring)
- ENL 102 Crit Writing & Reading II [3] (Spring/Fall)

Junior
Fall 16 credits
- MTH 181 Discrete Structures I [3] (Fall)
- CIS 272 Intro Computing Systems [4] (Fall)
- CIS 190 Intro Procedural Progr. [4] (Spring)
- University Studies 3A Elective [3] (Fall/Spring)

Junior
Spring 16 credits
- MTH 182 Discrete Structures II [3] (Spring)
- CIS 273 Computer Org. & Design [3] (Spring)
- CIS 280 Software Spec & Design [4] (Spring)
- University Studies 3A Elective [3] (Fall/Spring)

Senior
Fall 16 credits
- MTH 331 Probability [3] (Fall/Spring)
- CIS 360 Algorithms & Data Structure [4] (Fall)
- CIS 381 Social & Ethical Aspects [3] (Fall)
- University Studies 4A Elective [3] (Spring/Fall)

Senior
Spring 15 credits
- CIS 361 Models of Computation [3] (Spring)
- CIS 370 Design of Operating Syst. [4] (Spring)
- University Studies 4B Elective [3] (Fall/Spring)

Technical Elective
- See Approved List [3] (Fall/Spring)

Technical Elective
- See Approved List [3] (Fall/Spring)

Technical Elective
- See Approved List [3] (Spring/Fall)

Technical Elective
- See Approved List [3] (Spring/Fall)

CIS 498 Capstone Design I [4] (Fall)

CIS 499 Capstone Design II [3] (Spring)


University Studies 4C Elective [3] (Spring/Fall)

Note: Any CIS core course or technical elective that is a prerequisite to another CIS course, must be passed with a grade of C or better in order to satisfy the prerequisite.