

3-year Graduation Plans for Brock School Majors (CS and CIS ONLY)

(3/19/22 draft)

Basic Assumptions

- Zero credits earned at the beginning of Fall semester, year one
- 128 credit hours required for the degree
- Satisfaction of the FL requirement prior to enrolling through high school coursework
- Math placement H, A or B
- ENG 105 placement
- CHEM 120 placement

Overview

- Requires students to complete 16 hours each Fall and Spring semester (total = 96 hours)
- Requires students to complete 1 course in three consecutive January terms (total = 12 hours)
- Requires students to complete 5 courses in summer sessions (or 3 courses in summer and four fall/spring semesters with additional 2 credit courses for each semester) (total = 20 hours)

Curriculum

- Math and Natural Science Majors typically require 40-64 hours with some courses taken in a specific sequence and with substantial prerequisites (in the case of 300 and 400 level courses)
- General studies requires ENG 105, Breadth requirements (6 courses: NS, Math, Creative Arts, Upper Level Humanities, Social Science #1, Social Science #2) and WES seminars (100, 200, 300) = 10 courses (40 credit hours)
- Elective Courses (referred to as Elective Courses in the Tables on subsequent pages) are not specified as to specific disciplines, but taken with the Major and General Studies must add up to a grand total of 128 credit hours for the degree

Computer Science (B.A) (2/20/2022 modified)

Semester, Term or Session	Courses (*Major Req., **GS Req)
Year 1, Fall Semester (16 hours)	1. WES 100 (4 hours)** 2. Social Science Breadth Requirement #1 (4 hours)** 3. CS 112 (4 hours)* 4. MATH 135 or 171 (4 hours)*/Math Breadth Req. (4 hours)**
Year 1, January Term (4 hours)	1. Elective Course (4 hours)
Year 1, Spring Semester (16 hours)	1. ENG 105 (4 hours)** 2. Creative Arts Breadth Requirement (4 hours)** 3. CS 212 (4 hours)* 4. Elective Course (4 hours)
Year 1, Summer Session (8 hours)	1. Elective Course (4 hours) 2. Elective Course (4 hours)
Year 2, Fall Semester (16 hours)	1. WES 200 (4 hours)** 2. Social Science Breadth Requirement #2 (4 hours)** 3. CS 310 or CS Elective (4 hours)* 4. CS 311 (4 hours)*
Year 2, January Term (4 hours)	1. Elective Course (4 hours)
Year 2, Spring Semester (16 hours)	1. CS 205 (4 hours)* 2. MATH 210 (4 hours)* 3. CS Elective (4 hours)* 4. Elective Course (4 hours)
Year 2, Summer Session (8 hours)	1. Elective Course (4 hours) 2. Elective Course (4 hours)
Year 3, Fall Semester (16 hours)	1. WES 300 (4 hours)** 2. CS 310 or CS Elective (4 hours)* 3. CS Elective (4 hours)* 4. Nat Science Breadth Req. (4 hours)**
Year 3, January Term (4 hours)	1. Elective Course (4 hours)
Year 3, Spring Semester (16 hours)	1. Upper Level Humanities Breadth Req. (4 hours)** 2. CS Elective (4 hours)* 3. Elective Course (4 hours) 4. Elective Course (4 hours)
Year 3, Summer Session (4 hours)	1. Elective Course (4 hours)

Computer Science (B.S)

Semester, Term or Session	Courses (*Major Req., **GS Req)
Year 1, Fall Semester (16 hours)	1. WES 100 (4 hours)** 2. Social Science Breadth Requirement #1 (4 hours)** 3. CS 112 (4 hours)* 4. MATH 135 or 171 (4 hours)* / Math Breadth Req. (4 hours)**
Year 1, January Term (4 hours)	1. Elective Course (4 hours)
Year 1, Spring Semester (16 hours)	1. ENG 105 (4 hours)** 2. Creative Arts Breadth Requirement (4 hours)** 3. CS 212 (4 hours)* 4. MATH 136 or MATH 172* (4 hours)
Year 1, Summer Session (8 hours)	1. Elective Course (4 hours) 2. Elective Course (4 hours)
Year 2, Fall Semester (16 hours)	1. WES 200 (4 hours)** 2. MATH 172 or MATH 271* (4 hours) 3. CS 310 or CS Elective (4 hours)* 4. CS 311 (4 hours)*
Year 2, January Term (4 hours)	1. Elective Course (4 hours)
Year 2, Spring Semester (16 hours)	1. CS 205 (4 hours)* 2. MATH 210 (4 hours)* 3. CS Elective (4 hours)* 4. Social Science Breadth Requirement #2 (4 hours)**
Year 2, Summer Session (8 hours)	1. Elective Course (4 hours) 2. Elective Course (4 hours)
Year 3, Fall Semester (16 hours)	1. WES 300 (4 hours)** 2. CS 310 or CS Elective (4 hours)* 3. CS Elective (4 hours)* 4. PHY 221* Nat Science Breadth Req. (4 hours)**
Year 3, January Term (4 hours)	1. Elective Course (4 hours)
Year 3, Spring Semester (16 hours)	1. Upper Level Humanities Breadth Req. (4 hours)** 2. CS Elective (4 hours)* 3. CS 489 (4 hours)* 4. Elective Course (4 hours)
Year 3, Summer Session (4 hours)	1. Elective Course (4 hours)

Computer Information Systems (B.A)

Semester, Term or Session	Courses (*Major Req., **GS Req)
Year 1, Fall Semester (16 hours)	1. WES 100 (4 hours)** 2. Social Science Breadth Requirement #1 (4 hours)** 3. CS 112 (4 hours)* 4. CS 107 (4 hours)*
Year 1, January Term (4 hours)	1. Elective Course (4 hours)
Year 1, Spring Semester (16 hours)	1. ENG 105 (4 hours)** 2. Creative Arts Breadth Requirement (4 hours)** 3. CS 212 (4 hours)* 4. ISP 101 or CS 100 (4 hours)*
Year 1, Summer Session (8 hours)	1. Elective Course (4 hours) 2. Elective Course (4 hours)
Year 2, Fall Semester (16 hours)	1. WES 200 (4 hours)** 2. Social Science Breadth Requirement #2 (4 hours)** 3. CS Elective (4 hours)* 4. CS 311 (4 hours)*
Year 2, January Term (4 hours)	1. Elective Course (4 hours)
Year 2, Spring Semester (16 hours)	1. ISP 105 or CS 110 (4 hours)* 2. MATH 210 (4 hours)* / Math Breadth Req. ** 3. CS Elective (4 hours)* 4. Elective Course (4 hours)
Year 2, Summer Session (8 hours)	1. Elective Course (4 hours) 2. Elective Course (4 hours)
Year 3, Fall Semester (16 hours)	1. WES 300 (4 hours)** 2. EES 300 or CS Elective (4 hours)* 3. CS Elective (4 hours)* 4. Nat Science Breadth Req. (4 hours)**
Year 3, January Term (4 hours)	1. Elective Course (4 hours)
Year 3, Spring Semester (16 hours)	1. Upper Level Humanities Breadth Req. (4 hours)** 2. CS Elective (4 hours)* 3. Elective Course (4 hours) 4. Elective Course (4 hours)
Year 3, Summer Session (4 hours)	1. Elective Course (4 hours)