B.S. in C.S - Distributed Systems Track

(20 Courses, 67 Credits, 4 Years)
Semester-By-Semester Schedule

Year on Campus	Fall Semester	Spring Semester
1st	Intro to C.S. (COM 1300)	Data Structures (COM 1320)
	Calculus I (MAT 1412)	*Linear Algebra (MAT 2105)*
	YC Core #1	Mathematics for Computer Science (COM 1310)
		YC Core #2
2nd	Intro to Algorithms (COM 2545)	Design & Analysis of Algorithms (COM 2546)
	Computer Organization (COM 2113)	Operating Systems (COM 3610)
	YC Core #3	**YC Core #4**
3rd	Introduction to Distributed Systems (COM 3800)	Advanced Distributed Systems (COM 3810)
	Parallel Programming (COM 3820)	CyberSecurity (COM 4580)
	Networking (COM 2512)	Modern Data Management (COM 3580)
	YC Core #5	**YC Core #6**
4th	Programming Languages (COM 3640)	Compilers & Tools (COM 3645)
	Database Implementation (COM 3563)	Capstone Project (COM 4020)
	Artificial Intelligence (COM 3760)	**YC Core #8 - ELECTIVE**
	YC Core #7 - ELECTIVE	

(20 Courses, 68 Credits, 4 Years)

NOTE: Requires the Core Curriculum found on page 2

Updated: February 2023

Non-C.S. Requirements for the B.S. and B.A. Degrees

- All students need a total of 128 credits to graduate
- Students in the B.A. track have the same non-C.S. requirements as all other B.A. students in Yeshiva College
- Students in either B.S. track have the non-C.S. requirements show in the table below.
- B.S. Computer Science programs require no less than 8 full time terms, including 8 terms of UTS. Students must be full time students for 8 terms at Yeshiva College to receive the degree.

Requirement	Credits	Number of Courses
First Year Writing	3	1
BIB, JHI, JST, or JTP	4	2
Choose from Contemporary World Cultures (COWC) or Cultures Over Time (CUOT)	3	1
Interpreting the Creative (INTC)	3	1
Human Behavior and Social Institutions (HBSI)	3	1
Electives: choose from any of the following Y.C. departments: ART, BIO, BIB, CHE, ECO, ENG, HEB, HIS, JHI, JST, JTP, MUS, PHI, PHY, POL, PSY, SOC, SPA	6	2
TOTALS	22	8

For more details regarding what the various categories (COWC, HBSI, etc.) mean, what Y.C. courses count towards them, etc. please consult Y.C.'s web site or academic advising.

Since B.S. students must be on campus for 8 semesters and there are 8 non-C.S. requirements, B.S. students can take one non-C.S. requirement each semester to pace themselves and evenly distribute their workload. We caution against waiting until late in your college career to fulfill these requirements, as you may not find all the courses you need being offered exactly when you would need them if you procrastinate.

For answer to frequently asked questions about the requirements, please visit
https://www.yu.edu/yeshiva-college/ug/computer-science/requirements.