

Computer Science Department

Entry-Level Course Sequence Suggestions:

CSCI 150 – or equivalent AP course credit – Introduction to Computer Science
 CSCI 151 – or equivalent AP course credit – Data Structures

Required CSCI Courses for the Computer Science Major:

CSCI 210 – Introduction to Computer Architecture
 CSCI 241 – Systems Programming
 CSCI 275 – Programming Abstractions
 CSCI 280 – Algorithms
 CSCI 383 – Theory of Computer Science

Elective CSCI courses for the Computer Science Major:

5 courses from the following list; **3** of these must be at the 300-level or above.
 (One of Math 331 or 345 may be substituted for one of the advanced CSCI courses.)

150 – Introduction to Computer Science 151 – Data Structures 215 – Cryptology 259 – Digital Animation 307 – Programming Languages 311 – Database Systems 313 – Human Computer Interaction 317 – Computer Architecture 321 – Mobile Applications 331 – Compilers 333 – Natural Language Processing	341 – Operating Systems 342 – Computer Networks 343 – Computer and Information Security 347 – Software Engineering 357 – Computer Graphics 361 – Game Design 364 – Artificial Intelligence 365 – Advanced Algorithms 374 – Machine Learning & Data Mining 401 – Honors
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Required Math Courses:

Math 220 – Discrete Mathematics
 One additional Math course (Math 132 or higher)

Recommended Course Plan*

Year	Fall Semester	Spring Semester
Freshman	150	151
Sophomore[†]	241, 275	210, 280
Junior	300-elective	383, 300-elective
Senior	300-elective	

* can also be completed in 6 semesters

† a grade of B or higher in either CSCI 151 or MATH 220 is recommended before attempting 200-level CSCI courses

Please Note: These electives are not offered every year and additional courses may be added. Please check the online catalog for current offerings. Also, courses listed under “Courses in General Computing” do not apply to the major or the minor. More information about the Computer Science Major may be found on the CS web page. (www.cs.oberlin.edu), or feel free to speak with a CSCI faculty member.

CSCI Minor: 5 CSCI Courses from the list above, one of which must be a 300-level computer science course.

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Last Updated 6/3/2016