

Carleton College Computer Science 2026–2027

ENTRY POINTS

Ethics of Technology
CS 100 (F)

Intro to CS⁺
CS 111 (F, W, S)

You can place out of CS 111 if you earn a high score on the AP CS A exam, or if you have other equivalent background. For placement information, consult <http://cs.carleton.edu>. Plan to learn Python before taking CS 20x.

CS 200: Data Structures with Problem Solving is equivalent to CS 201 and provides extra support and activities.

CORE

Data Structures
CS 200 or 201 (F, W, S)

Math of CS⁺ (Calc 1 req'd)
CS 202 (F, W, S)

All yellow-shaded courses, Math 111, 1 junior seminar, and 1 200+-level elective are required for the major.

ADVANCED CORE

Intro to Computer Sys.
CS 208 (F, W, S)

Programming Lang.
CS 251 (F, W, S)

Algorithms
CS 252 (F, W, S)

Comp. & Complexity
CS 254 (F, W, S)

Software Design
CS 257 (F, W, S)

ELECTIVES

1 elective and 1 junior seminar are required. Junior seminars (light blue) have a * on their number. Topics may rotate between junior seminar and non-junior seminar electives. Courses not offered in 2026–2027 are grayed out.
+ = add'l prereqs

Social Computing
CS 304 (S)

Machine Learning
CS 320* (W)

Real-Time Systems
CS 330 (-)

Hist. of Comp. (OCS)
CS 301 (-)

Cryptography (OCS)
CS 341 (-)

Computer Graphics⁺
CS 311 (W)

Making Decisions w/ AI
CS 321 (W)

Computer Networks
CS 331 (-)

Advanced Algs.⁺
CS 352 (-)

Data Visualization
CS 314* (W)

Natural Language Proc.
CS 322 (-)

Operating Systems
CS 332* (S)

Human-Comp. Interact.
CS 344 (-)

Quantum Computing⁺
CS 358 (-)

Art, Interact., Microcont.
CS 220 (-)

Comp. Models of Cogn.
CS 328 (-)

Database Systems
CS 334 (-)

Adv. Software Design⁺
CS 347* (W)

Artificial Life
CS 361* (F)

(De)Construct. Ev. Tech
CS 302 (S)

Robotics⁺
CS 327 (-)

Computer Security
CS 338 (-)

Parallel/Distr. Comp.
CS 348 (F)

Computational Bio.
CS 362 (-)

COMPS

Senior Seminar
CS 399 (F, W)

Comps
CS 400 (F, W)