Diagram of Prerequisites and Planned Course Offering for Computer Science Program at Beloit College

This diagram only overviews the requirements. Please see the catalog for the full & official requirements.

Normally scheduled times – See separate listing of exceptions

All courses are 1 unit except 347, 365, 366, 375 & 376 are ½ unit over the full semester

Required for major

Prerequisite (solid line)

Recommended prerequisite (dashed line)

FE Fall, even years
Spring, odd years

FO Fall, odd years
Spring, even years

SE

Math 110 Calculus I

Math 160 Discrete Structures

Math 110

Calculus I

Math 160

Discrete Structures

315 Algorithm Design & Analysis

335 Threads & Operating Systems

365 Database Capstone I

366 Database Capstone II

375 Software Engineering Capstone I

376 Software Engineering Capstone II

204 Data Structures & Algorithms

225 Computer Architecture

245 Computer Networks

265 Web Design & Web Programming

280 Cognitive Robotics

Junior standing

FE Fall, even years
Spring, odd years

FO Fall, odd years
Spring, even years

SE

Introduction to Object-Oriented Programming

Junior standing

Two 200+-level courses

COGS 280 Cognitive Robotics

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