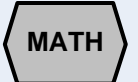


UMSL is a NSA/DHS National Center of Excellence in Cyber Defense Education



Minor in Computer Science requires just two specific CMP SCI courses, and then three additional CMP SCI courses above 2000 as electives – more Cmp Sci electives are available, shown here are the most common for a minor.
A minimum of two computer science courses numbered above 2000 must be taken in residency in the Department of Mathematics and Computer Science at UMSL.
Online/Evening availability minimum once a year.

Math prerequisites



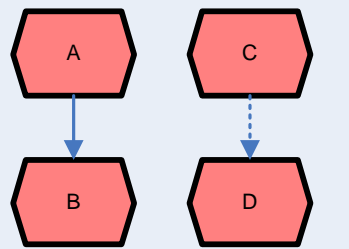
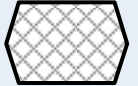
Cmp Sci



Required for minor

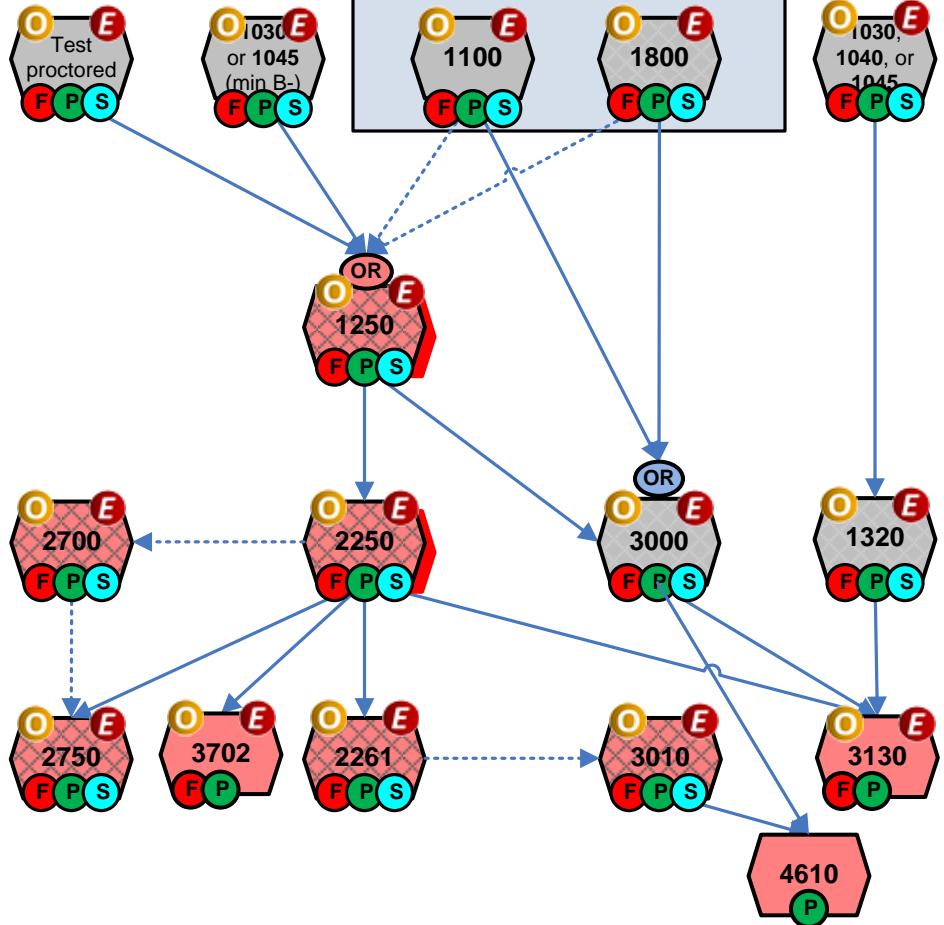


Required in all computing majors



A solid-line arrow, as shown on the left, means that A must be taken before B (prerequisite). A dashed-line arrow means that C must be taken before or concurrently with D (co-requisite).

Computing Technology and Cybersecurity require **either** Math 1100 or 1800 but Computer Science requires Math 1800. Students unsure of degree are advised to take Math 1800



Students with an introductory programming background, but without 1250 transferred in, can request to start with 2250. They will have 1250 credited upon successful completion of 2250 and they can also request to register for 2700 concurrently with 2250.

1250 and 2250 can be taken in one semester as a combo course (one after another in half semesters).

- Available evening E
- Available online O
- Available Fall F
- Available Spring P
- Available Summer S

It is possible to complete all these lower level courses in the first two semesters if desired, see below. Such fast tracks may be of special interest to second degree students, or students transferring in with a general associate degree.

Fastest curriculum for students with Cmp Sci 1250 transferred in or at least some programming and C++ knowledge:
Semester 1: Cmp Sci 2250, Cmp Sci 2700. Math 1100 or 1800 based on degree plan, Math 1320 (12-14 credits, + 3 for 1250 retroactive = 15-17 credits)
Semester 2: Cmp Sci 2261, Cmp Sci 2750, Cmp Sci 3010. Math 3000 (12 credits)

Fastest curriculum for students having to start with Cmp Sci 1250:
Semester 1: Cmp Sci 1250+2250 combo. Math 1100 or 1800 based on degree plan, Math 1320 (12 or 14 credits)
Semester 2: Cmp Sci 2261, Cmp Sci 2700, Cmp Sci 2750, Cmp Sci 3010. Math 3000 (15 credits)