

UMSL

Computer Science

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



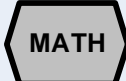
v4/14/2021

BS in Computer Science

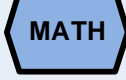
The diagram below shows the requirements for the major. In addition to these required courses, students must also take five additional CMP SCI electives, at the 3000-level or above. All these courses require a grade of at least C- (unless noted otherwise). Students must also pass ENGL 3130 and satisfy the UMSL general education requirements.

Prerequisite courses should be taken first, since they must be completed before enrolling in a later course; however, waivers may be granted based on experience.

General electives credit only, not major credit, not required.



Math required



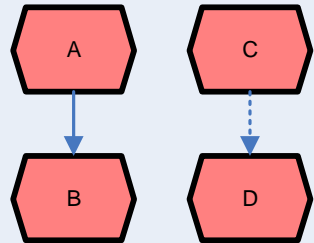
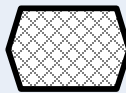
Cmp Sci required



Engl required



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).

Available evening



Available online



Available Fall



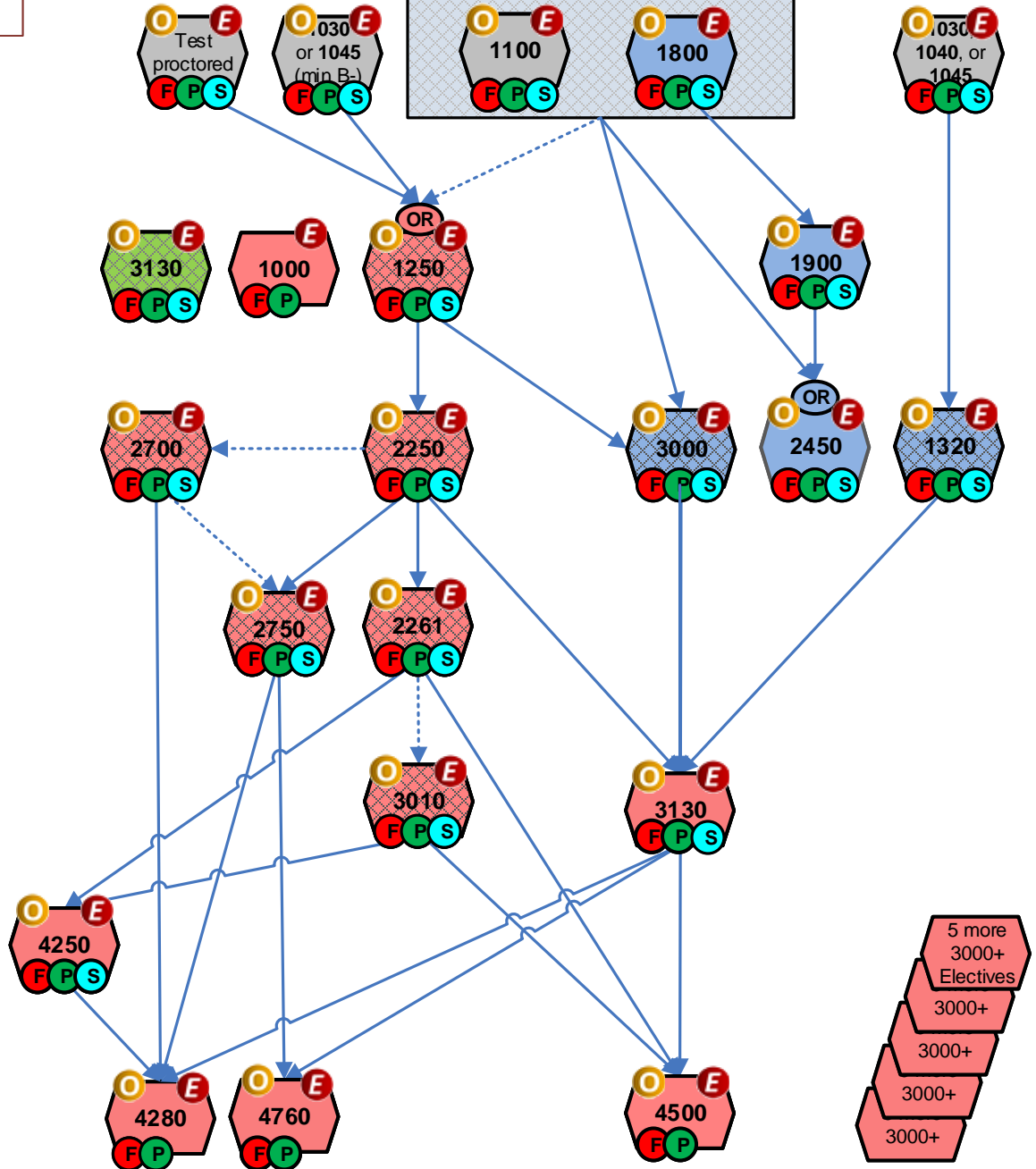
Available Spring



Available Summer



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).

Electives can be grouped into a certificate following a specific interest.