

# UMSL

## Computer Science

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



Math required

MATH

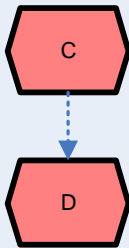
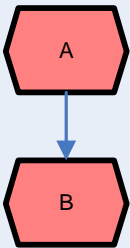
Cmp Sci required

CMP  
SCI

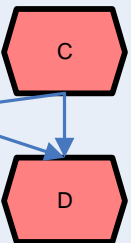
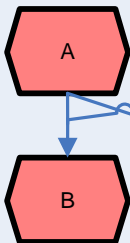
Engl required

ENGL

Required in all  
Departmental BS



A must be passed before B  
(prerequisite).  
C must be passed before or  
concurrently with D (co-requisite).

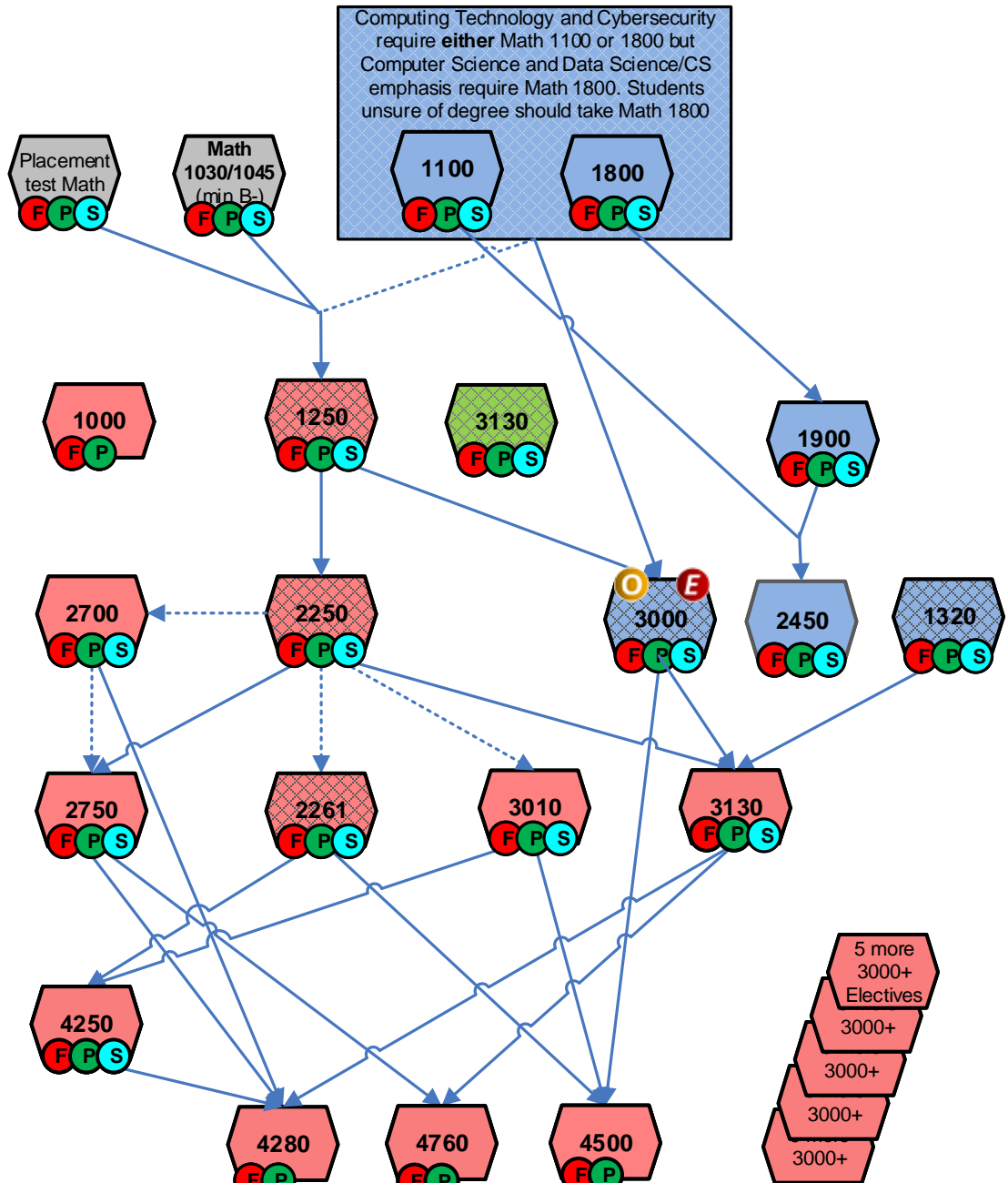


Just one of A or C must be passed  
before B. Both A and C must be  
passed before D.

v8/29/2023

## 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-. 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 training/experience. Every required course is offered evening/online at least once a year.



Students with any introductory general purpose programming background, but without 1250 transferred in, can request to start with 2250. This may require a rudimentary review of basic C++ syntax and functions if unfamiliar. Such students will have 1250 credited upon successful completion of 2250 and they can also request to register for 2261, 2700, and/or 3010 concurrently with 2250.

1250 and 2250 can be taken in half semesters, or together in one semester as a combo course (6 credits). Cmp Sci 2261, 2700 and 3010 can only be taken concurrently only with a full semester 2250 section.

Available Fall **F**  
Available Spring **P**  
Available Summer **S**