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

BS in Cybersecurity, CS Emphasis

All these courses must be passed with at least C- (unless noted otherwise). Before enrolling in a course, you must first complete each of its prerequisite courses. Some waivers are possible based on experience. Please plan first courses that are required for other courses. Low level prerequisites not required in any program are not shown.

Online/Evening availability minimum once a year. All required courses will be online for students starting FS2020 to complete fully online (some 4xxx-level start 2021).

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

Low level prerequisites not required in any program are not shown.

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

Math required

Cmp Sci required

Engl required

InfSys 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

Available evening
Available online
Available Fall
Available Spring
Available Summer

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.