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.

Math required
Math 1030/1045 (min B-)
Math 1100 or 1800
Math 1800

Cmp Sci required
Cmp Sci 2250
Cmp Sci 2700
Cmp Sci 2261
Cmp Sci 3010
Cmp Sci 3130

Engl required
ENGL 3130

Required in all Departmental BS

Placement test Math
Placement test Math