

# UMSL

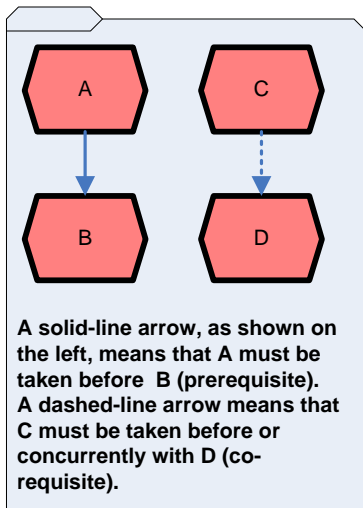
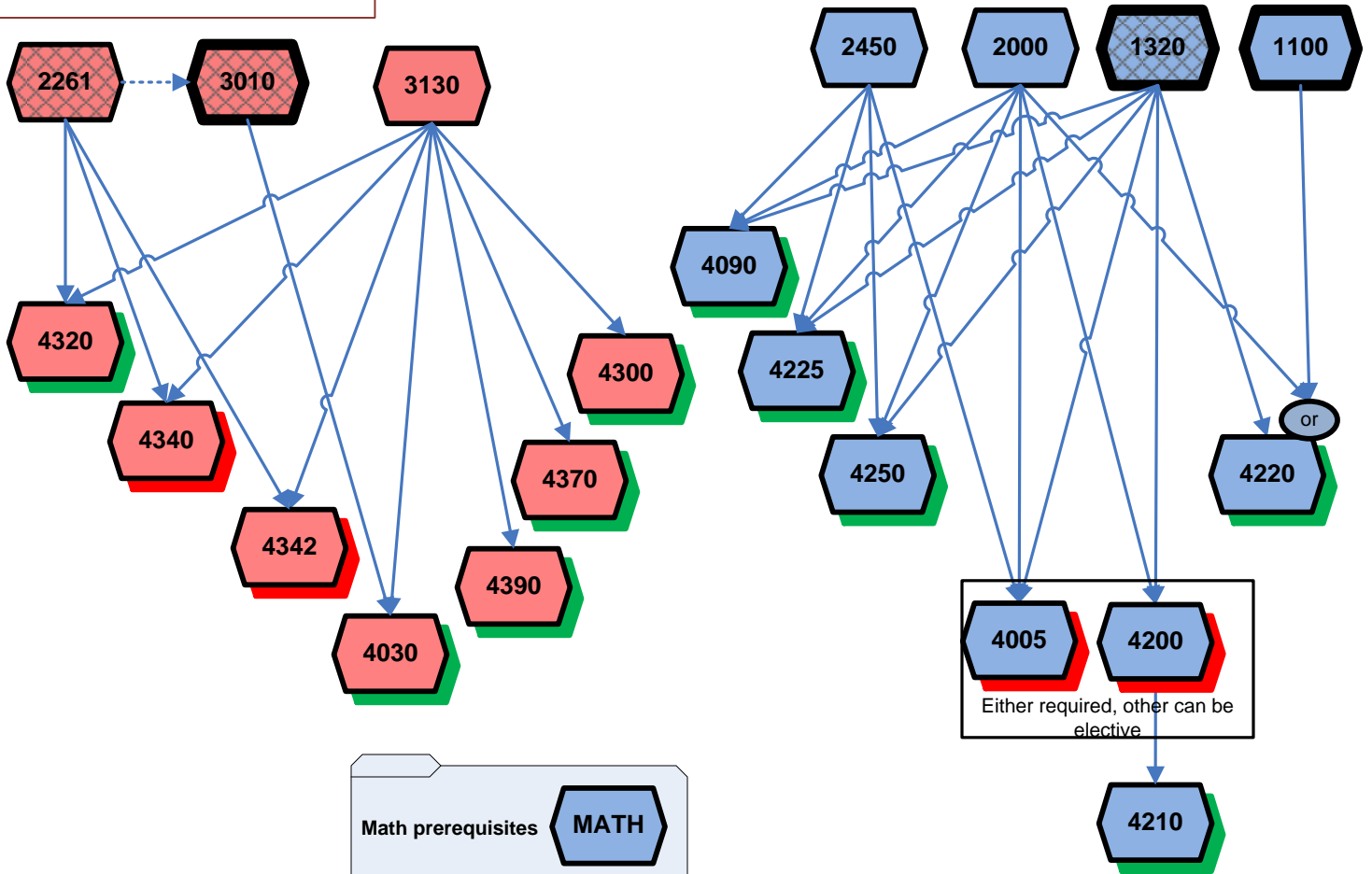
UMSL is a NSA/DHS National Center of Excellence in Cyber Defense Education

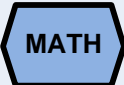

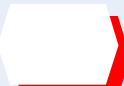
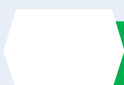



## UMSL: Data Science Certificate, Computational Option

The certificate program provides basic training on skills required for working in growing and popular fields involving data and data analysis. It has two options: statistics and computational, with different backgrounds yet allowing to focus on specific technologies and skillsets. Each track consists of three required courses (9 credit hours) plus three additional elective courses (9 credit hours). At least five must be taken at UMSL to satisfy residency requirement. Elective courses may be substituted with the permission of the program director. For more information, contact the department chair or email [info@arch.umsl.edu](mailto:info@arch.umsl.edu)

**UMSL|NOW**  : Certificate can be completed in the evening.



Math prerequisites	
Computer Science courses	
Certificate required	
Certificate elective	
Required in all computing BS programs	
Available online in 2019/2020	