



Two Natural Science electives: BSC2010/2011, CHM1045/1046, GLY1010 or any upper division science course that has any of the lower division science electives as prerequisite, or PHY2048 and/or PHY2049 as a prerequisite.

CS Electives: Choose 3 electives (3 credits each)

- CAP 4453-Robot Vision (Prereq: COP3530 & MAC2312)
- CAP 4506-Intro to Game Theory (Prereq: MAC2312)
- CAP 4630-Artificial Intelligence (Prereq: COP3530)
- CAP 4641-Natural Language Processing (Prereq: COP3530)
- CAP 4710-Computer Graphics (Prereq: COP3337 & MAC2312)
- CAP 4770-Data Mining (Prereq: COP3530 & Co-Req:COP4710)
- CDA 4625-Intro to Mobile Robotics (Prereq: COP3530 & STA3033)
- CEN 4021-Software Engineering II (Prereq: CEN4010)
- CEN 4072-Software Testing (Prereq: COP3530)
- CEN 4083-Cloud Computing (Prereq: CNT4713 & CDA4101)
- COP 4226-Advanced Windows Programming (Prereq: COP3530)
- COP 4520-Intro to Parallel Computing (Prereq: COP3530 & CDA4101)
- COP 4534-Algorithm Techniques (Prereq: COP3530)
- COP 4604-Advanced UNIX Programming (Prereq: COP4610)
- COP 4722-Survey of Database Systems (Prereq: COP4710)
- COT 4521-Intro to Computational Geometry (Prereq: COP3530)
- MAD 3401-Numerical Analysis (Prereq: COP2210 & COT3100/MAD2104)
- MAD 3305-Graph Theory (Prereq: COP2210 & COT3100/MAD2104)
- MAD 4203-Combinatorics (Prereq: MAD2104 & MAC2312)
- MAD3512-Algorithms (Prereq: COT3541)

A line indicates a prerequisite. The course above must be completed before the course below can be taken.

A diamond indicates a co-requisite. The course closer to the diamond may be taken at the same time as the co-requisite. The co-requisite is a prerequisite for any course that requires the course closer to the diamond.

A junction is where multiple prerequisites are joined.