



CS Electives (choose three)

All courses are 3 credits, except as noted.

CAP 4104 <i>Human Cmptr Interaction</i> Pre: COP3337	CAP 4453 <i>Robot Vision</i> Pre: COP3530 & MAC2312	CAP 4506 <i>Intro to Game Theory</i> Pre: MAC2312	CAP 4630 <i>Artificial Intelligence</i> Pre: COP3530	CAP 4641 <i>Natural Lang Processing</i> Pre: COP3530	CAP 4710 <i>Computer Graphics</i> Pre: COP3337, MAC2312
CAP 4770 <i>Introduction to Data Mining</i> Pre: COP3530 Co: COP 4710	CDA 4625 <i>Intro to Mobile Robotics</i> Pre: COP3530 & STA3033	CEN 4021 <i>Software Engineering II</i> Pre: CEN4010	CEN 4072 <i>Software Testing</i> Pre: COP3530	CEN 4083 <i>Cloud Computing</i> Pre: CNT4713, CDA4101	COP 4226 <i>Advanced Windows Programming</i> Pre: COP3530
COP 4520 <i>Intro to Parallel Computing</i> Pre: COP3530, CDA4101	COP 4534 <i>Algorithm Techniques</i> Pre: COP3530	COP 4604 <i>Advanced UNIX Programming</i> Pre: COP 4610	COP 4722 <i>Survey of Database Systems</i> Pre: COP4710	COT 4521 <i>Intro to Computational Geometry</i> Pre: COP3530	MAD 3305 <i>Graph Theory</i> Pre: COP2210, MAD2104
MAD 3401 <i>Numerical Analysis</i> Pre: COP2210, MAC2312	MAD 4203 <i>Combinatorics</i> Pre: MAD2104, MAC2312	MHF 4302 <i>Math Logic</i> Pre: MAD 3512			

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.

* Prerequisites:
 - ENC3249/ENC3213: UCC English requirements
 - MAC2311: MAC1147
 - COT3100 & MAD2104: MAC1105
 - COP2210: MAC1140 or higher level math course
 ^ Natural Science electives: lab not needed unless required by offering dept.