

# Computer Science Program Curriculum with Data Science Option

## First Year

## Second Year

## Third Year

## Fourth Year

Math 140 (GQ)	Math 141 (GQ)	CMPSC 360 Discrete Math	Math 220 Matrices	CMPSC 463 Algo	CMPSC 445 Machine Learning	CMPSC 487W SW Engn	CMPSC 472 Operating System
CMPSC 131 (GQ) Prgmg	CMPSC 132 Prgmg	CMPSC 330 Prgmg	STAT 318/414/ Math 318	CMPSC 430 Database	CMPSC 460 Princ Prg Lang	CMPSC 446 Data Mining	CMPSC 488 Project
ENGL 15 (GWS)	Phys 211 (GN)	CMPSC 312 CA/Org	CMPSC 462 Data Struc.	ENGL 202C (GWS)	CMPSC 469 Formal Lang	STAT 462	Elective-1
GH	CAS 100 (GWS)	Phys 212 (GN) <i>recommended</i>	DS 220	STAT 401	Gen ED Explr	Inter- domain	Elective-2
GHW	GA	GS	Gen ED Explr	CMPSC 441 AI	SOO 100-400 level	SOO 100-400 level (2 units)	
PSU 1			Inter- domain				

### Legends

Tech Core
Gen Ed
Elective
SOO

### Entrance To Major Courses (ETMs):

Math 140, Math 141, CMPSC 131,  
CMPSC 132

**SOO – Support Of Option courses**  
**GQ – Quantification**  
**GA – Arts**  
**GH – Humanities**  
**GN – Natural Sciences**  
**GS – Social & Behavioral Sciences**  
**GWS – Writing & Speaking**  
**GHW – Health & Wealth**