

COMPUTER SCIENCE (with Math Minor) ADVISING WORKSHEET

Name: _____ Date: _____

Core CS

Course	Cr	Done?	Sched?
121	3		
122 (ETM)	3		
221	3		
311	3		
360	3		
461	3		
465	3		
464	3		
473	3		
CMPEN 271	3		
CMPEN 331	3		
Total	33		

CS Electives

Course	Cr	Done?	Sched?
	3		
	3		
	3		
4__W	3		
Total	12		

Supporting Courses

Area	Cr	Done?	Sched?
	3		
	3		
Total	6		
Petition?			

Math/Stat

Course	Cr	Done?	Sched?
140 (ETM)	4		
141 (ETM)	4		
230 (ETM)	4		
220	2		
STAT 414*	3		
STAT 415*	3		
Total	20		

* 414 and 415 are recommended, as they are cross-listed as MATH courses and can be two of the four 400-level MATH courses needed for the minor. But, 318 and 319 count for CMPSC too.

Physics/GN

Course	Cr	Done?	Sched?
211 (ETM)	4		
212 (ETM)	4		
	2		
Total	10		
Credits to DL?			

English

Course	Cr	Done?	Sched?
15 or 30	3		
CAS 100A/B	3		
202C	3		
Total	9		

Health & Physical Activity

Course	Cr	Done?	Sched?
Total	3		

Gen Ed Electives

Area	Cr	Done?	Sched?
GA	3		
	3		
GH	3		
	3		
GS	3		
	3		
Total	18		
US?			
IL?			
3-6-9?			

First Year Seminar

Course	Cr	Done?	Sched?
	1		
Total	1		
Alternative?			

Foreign Language

Course	Cr	Done?	Sched?
Total			
HS?			

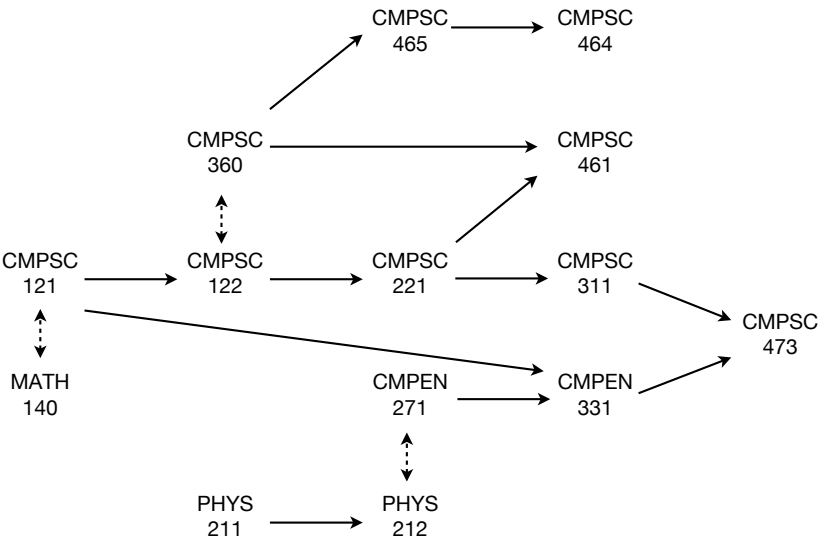
Department List

Course	Cr	Done?	Sched?
Total	14		

SUMMARY

Area	Cr	Done	Sched
Core	33		
CS Elec	12		
Math	20		
Physics/GN	10		
English	9		
GHA	3		
Gen Ed	18		
SC	6		
FYS	1		
FL			
DL	14		
Total	126		

Prerequisite Chains for the Core Courses



Double-headed arrows here indicate corequisites. A few alternative prerequisites are in the handbook.

Requirements for a Math Minor

Assuming you have not earned a “D” in any 200-level MATH courses CMPSC requires, the additional work required for a math minor is four 400-level MATH courses. Here are some options of where they fit into the CMPSC requirements:

___ STAT (MATH) 414 as a STAT course	___ CMPSC 467 as a CMPSC elective
___ STAT (MATH) 415 as a STAT course	___ MATH 4___ as a supporting course
___ CMPSC 451 or 455 as a CMPSC elective	___ MATH 4___ as a supporting course
___ CMPSC 456 as a CMPSC elective	(other MATH 4___ can count as dept. list)

Disclaimer: This advising worksheet was prepared by a faculty member in CSE via Math department documentation and asking a Math department advisor questions. Requirements may change, so you should consult with a Math department advisor to make sure your plans will definitely meet the minor requirements.

Resticted List of Electives (6 credits must come from here)

Course	Topic	Typical Semester	Prereqs.	Coreqs.
CMPEN 362	Networking	Fall/Spring	CMPEN 270/271	STAT
CMPEN 431	Architecture	Fall/Spring	CMPEN 331	
CMPSC 442	AI		CMPSC 122	CMPSC 465
CMPSC 443	Security	Spring	CMPEN 362, CMPSC 473	
CMPSC 448	Machine Learning	Spring	STAT 319/415, CMPSC 122	
CMPSC 450	Concurrent Programming		CS1, MATH 220, MATH 230/231	
CMPEN 454	Computer Vision	Fall	CS1, MATH 230/231	
CMPSC 458	Graphics	Fall	CMPSC 311, MATH 220, MATH 230/231	
CMPSC 471	Compiler Construction		CMPSC 461	
CMPSC 475	Applications Programming	Fall	CMPSC 221, CMPSC 311, CMPSC465	
EE 456	Neural Networks		CS1, MATH 220	

All of the courses below are cross-listed with MATH and count among 400-level courses required for a MATH minor:

CMPSC 451	Numerical Computations	Fa/Sp/Su	CS1, MATH 230/231	
CMPSC 455	Numerical Analysis I	Fall	CS1, MATH 220, MATH 230/231	
CMPSC 456	Numerical Analysis II	Spring	CMPSC 455	
CMPSC 467	Factorization/Primality	Fall	CMPSC 360 or MATH 311W	

"CS1" refers to Computer Science 1, which will usually be CMPSC 121.

Capstone Writing Course Options

Course	Topic	Typical Semester	Prereqs.
CMPSC 431W	Database Systems	Spring	CMPSC 221, ENGL 202C
CMPSC 483W	Software Engineering	Fall/Spring	CMPSC 221, CMPSC 465, ENGL 202C