

DEPARTMENT OF COMPUTER SCIENCE
GRADUATION COURSE CHECKLIST
BIOINFORMATICS CONCENTRATION

Student Name:	T-Number:
Advisor:	Senior Exit Exam (Y/N):
Concentration: Bioinformatics	

COURSES	Semester	Grade	Hrs	COURSES	Semester	Grade	Hrs
Communication (9)				Orientation and General CS (2)			
ENGL 1010 (min of C grade)			3	UNIV 1000			1
ENGL 1020 (min of C grade)			3	COMP 1500			1
COMM 2200			3	CS Core (37)			
Humanities/Fine Arts (9)				COMP 2140			
			3	COMP 2240			
One Humanities/Fine Arts course must be selected from ENGL 2110, 2310,2012,2013,2210, 2320, 2022, 2023, or 2220.				COMP 2400			
				COMP 3040			
				COMP 3050			
They must satisfy the university general education program requirements (i.e. ART 1010, HIST 1000, MUSC 1010, PHIL 1030, RELS 2010, THTR 1020, AREN 2310, or any of English courses above)				COMP 3190			
				COMP 3310			
				COMP 3560			
Social/Behavioral Sciences (6)				COMP 4100			
			3	COMP 3300			
			3	COMP 4500 (Bioinformatics focus)			
They must satisfy the university general education program requirements (i.e. AFAS 2010, ANTH 2300, ECON 2010, ECON 2020, GEOG 1010, GEOG 1020, HPSS 1510, POLI 2010, POLI 1010, PSYC 2010, SOCI 2010, URBS 2010, or WMST 2000)				COMP 4510 (Bioinformatics focus)			
				COMP 4700			
They must satisfy the university general education program requirements (i.e. HIST 2010, HIST 2020, HIST 2060, HIST 2070, HIST 2700, or HIST 2030)							
Natural Sciences (12)				Data Science Concentration Courses (13)			
BIOL 1110/1111			4	COMP 3110 or 3120 or 3130 or 3140 or 3150			3
BIOL 4110/4111			4	COMP 3710			3
			4	COMP 4820			3
Courses can be selected from: PHYS 2110/2111 (or PHYS 2010/2011), PHYS 2120/2121 (or PHYS 2020/2021), CHEM 1110/1111, CHEM 1120/1121, BIOL 1110/1111, or BIOL 1120/1121.				COMP 3112/3113			4
Mathematics (18)				Technical Elective Course (8)			
MATH 1910			4	Technical Elective			3
MATH 1920			4	Technical Elective			3
MATH 2050 or MATH 3100 or STAT 3110			3	Technical Elective			2
COMP 3010			4				
MATH ELECTIVE			3				
MATH Elective must be 2000 or higher level with approval of academic advisor. MATH 2500, 3130, 3710, 4500, 4724, 4750, 4900 are NOT accepted.							
Electives must be appropriately chosen so that the total of the 3000-4000 level courses must be at least 42 credits .							
TOTAL HOURS:				_____ 120 _____			

Student:	Date:	Department Head:	Date:
Advisor:	Date:	Dean:	Date: