GEORGE MASON UNIVERSITY
The Volgenau School of Engineering
B.S. DEGREE IN APPLIED COMPUTER SCIENCE
Bioinformatics Concentration
(4300 Nguyen Engineering, 703-993-1530)
http://cs.gmu.edu/programs/undergraduate/
2014-2015 CATALOG

	Department(s) & Course #(s)	Completed/ Grade(s)	Needed

MASON CORE REQUIREMENTS (24 credits)

a. Composition: English 101 (100), 302 (C or better) (3,3)
b. Communication 100 (3)
c. Quantitative Reasoning (satisfied by completion of major requirements)
d. Literature (3)
e. Arts (3)
f. Western Civilization (HIST 100, 125, or acceptable transfer course) (3)
g Social & Behavioral Science (3)
h. Natural Science (satisfied by completion of major requirements)
i. Global Understanding (3)
j. Information Technology (satisfied by completion of major requirements)
k. Synthesis (satisfied by completion of major requirements)

Go to: http://catalog.gmu.edu to link to information on Mason Core requirements.

MAJOR REQUIREMENTS (92 credits)

a. CS 101, 105 (2,1)
b. CS 112, 211 (4,3)
c. CS 262, 310 (2,3)
d. CS 330, 367 (3,3)
e. CS 321, 465 (3,3)
f. CS 483, ECE 301 (3,3)
g. One CS course numbered above 400 (3) CS_____
h. Fourteen hours of Mathematics course work (14)
   1. MATH 113, 114 (4,4)
   2. MATH 203, 125 (3,3)

BIOINFORMATICS CONCENTRATION

a. PHYS 160/161 (3,1)
b. CHEM 201, BIOL 213 (3,4)
c. CS 306, STAT 344 (3,3)
d. BINF 450 (4)
e. BIOL 482, 580 (3,3)
f. CS 450 (3)
g. One of the following: BINF 401, CS 444 (3) List course _____
h. One of the following: BINF 402, CS 445 (3) List course _____
i. Two approved electives related to bioinformatics (6) (List courses)
_____ _____

GENERAL ELECTIVES (4 credits) (List courses)

_____

MINIMUM HOURS TO GRADUATE: 120

UPPER DIVISION HOURS (minimum 45):

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2014-2015 Catalog; the University Catalog is the official reference for program requirements.