

**Biomedical Informatics Certificate  
Program of Study  
College of Engineering & Applied Science**

Name: \_\_\_\_\_ M#: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_ Program \_\_\_\_\_

Advisor: \_\_\_\_\_ Expected graduation term: \_\_\_\_\_

Degree Goal: \_\_\_\_\_

---

*The Biomedical Informatics Graduate Certificate (BMI-GC) requires 19 graduate, semester credit hours as outlined below. Permission must be obtained for any deviation from the below Required or Elective courses from the department Graduate Director on an approved CEAS Change Form. The Change Form is available in the Graduate Studies Office in 665 Baldwin Hall.*

---

<b>Course # / Title</b>	<b>Credits</b>	<b>Grade</b>	<b>Term/Year</b>
-------------------------	----------------	--------------	------------------

**Pre-Requisites**

CS 4071	Design & Analysis of Algorithms	_____	_____	_____
GNTD 8001	Intro to Functional Genomics	_____	_____	_____
OR				
CS 7079		_____	_____	_____

**Required Curriculum - Four Core Courses**

BE 7022	Intro to Biostatistics	_____	_____	_____
BE 8062	Intro to Medical Informatics	_____	_____	_____
CS7099	Intro to Bioinformatics	_____	_____	_____
EECE 6010	Database Management Theory	_____	_____	_____
SEMINAR	Topics in BMI Journal Club	_____	_____	_____

**Two Elective Courses (Choose from the following)**

BE 7066	Principles of Clinical Trials	_____	_____	_____
BE 7076	Intro of Epidemiology	_____	_____	_____
BE 7068C	Decision & Cost Eff. Analysis	_____	_____	_____
BE 8068	Genetics of Complex Disease	_____	_____	_____
CS 6033	Artificial Intelligence	_____	_____	_____
CS 6052	Intelligent Data Analysis	_____	_____	_____
CS 7081	Advanced Algorithms I	_____	_____	_____
CS 8021	Pattern Recognition	_____	_____	_____
EECE 6041	Digital Image Processing	_____	_____	_____
EECE 8075	Warehousing and Mining	_____	_____	_____
MCP 6031C	Computational System Biology	_____	_____	_____
STAT 6043	Applied Bayesian Analysis	_____	_____	_____

Attach to the back of this program of study an “unofficial transcript” printed from OneStop showing all above courses and grades.

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Program Advisor or Graduate Program Director)