

FLORIDA ATLANTIC UNIVERSITY™

Department of Electrical Engineering

BIOENGINEERING GRADUATE CERTIFICATE PROGRAM ADVISING SHEET (minimum 15 credits)

Name: _____ Soc. Sec. No. : _____

FAU Start Date: _____ E-mail: _____ Phone: _____

SCIENCE COURSES - Choose 2 courses (min 6 credits)

PCB 3063 does not count. However, it is recommended to take as a deficiency if no course has been taken equivalent to it. There is no double counting of courses if courses have been taken in the College of Science at FAU in the Science Biotechnology Certificate Program.

Course	Title	Credits	Semester	Grade	Semester	Grade
BSC 4403L	Biotechnology Lab 1	2				
BSC 4428L	Biotechnology Lab 2	2				
BSC 6458C	Bioinformatics	4				
ISC 6930	Theoretical Neuroscience 1	3				
ISC 6930	Theoretical Neuroscience 2	3				
ISC 6460	Computational Neuroscience I	3				
<i>PCB 3063</i>	<i>Genetics (previously PCB 4522 Molecular Genetics)</i>	4				
PSB 6345	Neuroscience 1	3				
PSB 6346	Neuroscience 2	3				
PHY 5937	Introduction to Nanomaterials Physics (Still listed as special topics)	3				
	Other with Advisor's permission					

COMPUTER SCIENCE COURSES - Choose at least one.

Course	Title	Credits	Semester	Grade	Semester	Grade
COP 6726	New Directions in Database Systems	3				
COP 6731	Theory & Implementation of Database Systems	3				
CAP 6673	Data Mining & Machine Learning	3				
	Other with Advisor's permission					

ENGINEERING COURSES - Choose two if a computer science course has been taken, if not, choose three.

Course	Title	Credits	Semester	Grade	Semester	Grade
BME 5000	Introduction to Bioengineering	3				
EEL 5742	BioSystems Modeling & Control	3				
EEL 5934	Biometrics	3				
BME 6572	Nanotechnology	3				
EML 6930	Molecular, Cellular & Tissue Biomechanics	3				
BME 6762	Bioinformatics: Bioengineering Perspectives (prev EEL 6935 Bioinformatics)	3				
EML 6930	Fields, Forces & Flows in Biological Systems	3				
	Other with Advisor's permission					

COMMENTS:

Advisor: