

# FLORIDA ATLANTIC UNIVERSITY

## Department of Electrical Engineering

### BIOENGINEERING GRADUATE CERTIFICATE PROGRAM ADVISING SHEET (minimum 15 credits)

Name: \_\_\_\_\_ Z Number. : \_\_\_\_\_

FAU Start Date: \_\_\_\_\_ E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

**Science Menu- Choose 2 courses (min 6 crs)**

**PCB 3063 Genetics DOES NOT COUNT.** However, it is required to take as a deficiency if no course has been taken equivalent to it. If courses have been taken toward the Science Biotechnology Certificate Program in the College of Science at FAU, they **will not be double counted.**

|          |          | Crs | Smtr | Grd | Smtr | Grd |
|----------|----------|-----|------|-----|------|-----|
| PCB 3063 | Genetics |     |      |     |      |     |

| Course    | Title  | Crs | Smtr | Grd | Smtr | Grd |
|-----------|--|-----|------|-----|------|-----|
| BSC 4403L | Biotechnology Lab 1  | 2   |      |     |      |     |
| BSC 4428L | Biotechnology Lab 2  | 2   |      |     |      |     |
| BSC 6458C | Bioinformatics   | 4   |      |     |      |     |
| ISC 6460  | Computational Neuroscience I   | 3   |      |     |      |     |
| ISC 6466  | Neurobiological Signal Processing                                      | 3   |      |     |      |     |
| ISC 6930  | Theoretical Neuroscience 1   | 3   |      |     |      |     |
| ISC 6930  | Theoretical Neuroscience 2   | 3   |      |     |      |     |
| PHY 5937  | Introduction to Nanomaterials Physics (Still listed as special topics) | 3   |      |     |      |     |
| PSB 6345  | Neuroscience 1   | 3   |      |     |      |     |
| PSB 6346  | Neuroscience 2   | 3   |      |     |      |     |
|           |  |     |      |     |      |     |
|           | Other with permission of advisor                                       |     |      |     |      |     |

**COMPUTER SCIENCE COURSES - Choose at least one.**

| Course   | Title                                       | Crs | Smtr | Grd | Smtr | Grd |
|----------|---|-----|------|-----|------|-----|
| CAP 6673 | Data Mining & Machine Learning              | 3   |      |     |      |     |
| COP 6726 | New Directions in Database Systems          | 3   |      |     |      |     |
| COP 6731 | Theory & Implementation of Database Systems | 3   |      |     |      |     |
|          |   |     |      |     |      |     |
|          | Other with permission of advisor            |     |      |     |      |     |

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

| Course    | Title  | Crs | Smtr | Grd | Smtr | Grd |
|-----------|--|-----|------|-----|------|-----|
| BME 5000  | Introduction to Bioengineering   | 3   |      |     |      |     |
| BME 5742  | BioSystems Modeling & Control  | 3   |      |     |      |     |
| BME 6572  | Nanotechnology   | 3   |      |     |      |     |
| BME 6762  | Bioinformatics: Bioengineering Perspectives (prev EEL 6935 Bioinformatics) | 3   |      |     |      |     |
| BSC 6458C | Bioinformatics   | 3   |      |     |      |     |
| EEL 5934  | Biometrics   | 3   |      |     |      |     |
| EEL 5934  | Digital Imaging  | 3   |      |     |      |     |
| EEL 6935  | Automatic Biometrics   | 3   |      |     |      |     |
| EML 6930  | Fields, Forces & Flows in Biological Systems                               | 3   |      |     |      |     |
| EML 6930  | Molecular, Cellular & Tissue Biomechanics                                  | 3   |      |     |      |     |
|           |  |     |      |     |      |     |
|           | Other with permission of advisor   |     |      |     |      |     |

**ADVISOR COMMENTS:**

---



---



---