

Minor in Biomedical Engineering
Plan of Study
School of Engineering
2003-2004

Minor Requirements – Audit Checklist

Instructions to Students

Indicate your planned coursework by printing a checkmark in the appropriate box. When preparing your final Plan of Study, you must obtain approval – as indicated by their signatures – from *both* the:

- Head of your home department (Chemical Engineering, Civil & Environmental Engineering, Computer Science & Engineering, Electrical & Computer Engineering, Mechanical Engineering, or Materials Science & Engineering) and
- Biomedical Engineering Program Director

Submit the original of this form with your final Plan of Study to the Registrar. Give one copy to your advisor, and keep one copy for your records.

Course Requirements

Five courses are necessary to fulfill requirements of the Biomedical Engineering minor. All students must take *all* of the following three required courses:

- Organic Chemistry (Chem 243, 3 credits)
- Human Physiology & Anatomy I (PNB 264, 4 credits)
- Introduction to Biomedical Engineering (BME 210, 3 credits)

All students must take *one* of the following engineering courses:

- Biochemical Engineering (BME 221, 3 credits)
- Introduction to Biochemical Engineering (CHEG 273)
- Physiological Control Systems (BME 253, 3 credits)
- Fluid Mechanics (CE 297, 3 credits)
- Computer Networks & Data Communications (CSE 245, 3 credits)
- Fluid Dynamics I (ME250, 3 credits)
- Materials Characterization (MMAT 236, 3 credits)
- Polymeric Materials (CHEG 256, 3 credits)

All students must take *one* of the following life science courses:

- Biochemistry (MCB 204, 5 credits)
- Fundamental of Microbiology (MCB 229, 4 credits)
- Microcomputer Applications in Molecular & Cell Biology (MCB 232C, 3 credits)
- Human Physiology & Anatomy II (PNB 265, 4 credits)

Student's Name: _____

Student's Social Security Number: _____

I approve the above program for the Minor in Biomedical Engineering.

Department Head

Biomedical Engineering Program Director