

## **Biological Engineering**

Statistics, Bio & Related Science Courses

February 2017

Courses in **bold** offered in Fall 2017

### **Statistics Courses**

**Stat 4710 Introduction to Mathematical Statistics (3)**

IMSE 2110 Probability & Statistics for Engineers (3)

BE/ChE4270 SQC & DOE for Engineers (3)

### **Biological and Related Science Courses**

An Sci 3254 Physiology of Domestic Animals (3)

**BioSc 2200 Genetics (4)**

**BioSc 2300 Cell Biology (4)**

**BioSc 3700 Animal Physiology (5)**

**BioSc 4976 Molecular Biology (Capstone) (3)**

BE 4001 Physiology for Engineering

Biochem3630 General Biochemistry (3)

DMU 4200 Principles of Diagnostic Medical Ultrasound (3)

**MPP 3202 Elements of Physiology (Human) (5)**

Physics 4110 Light and Modern Optics (4)

Physics 4310 Physics in Cell and Developmental Biology (3)

Food Sc 2172 Elements of Food Microbiology (3)

**Food Sc 4310 Food Chemistry (4)**

**Food Sc 4370 Food Microbiology (3)**

Plt Sci 2110 Plants and their Cultivation (3)

Plt Sci 3213 Genetics of Agricultural Plants and Animals (3)

Plt Sci 4313 Soil Fertility and Plant Nutrition (3)

Plt Sci 4314 Soil Fertility and Plant Nutrition (lab) (2)

Plt Sci 4315 Crop Physiology (3)

**Plt Sci 4320 Plant Physiology (3)**

**Soil Sci 2100 Introduction to Soils (3)**

**Soil Sci 2106 Soil Science Laboratory (2)**

**Soil Sci 3290 Soils and the Environment (3)**

Soil Sci 4312 Soil Microbiology (3)

Soil Sci 4318 Environmental Soil Chemistry (3)

### **Courses that do not count toward an engineering degree**

Math numbered lower than Math 1500 Calculus I

Chemistry numbered lower than Chem 1320 General Chemistry I

Bio Sc 3100 Community Biology

Intdsc 1001 FIG Proseminar