Pre-Bioengineering

Academic Year: 2014-2015

FIRST YEAR

**Fall**
- CBEE 101 or ENGR 111 (F)
- CH 231/261 Chemistry (W, F, S)
- MTH 251 Differential Calculus (W, F, S)
- WR 121 English Composition (F, W, S)
- COMM 111/114 Speech (F, W, S)
- Perspective Social Processes & Institutions (F, W, S)

**Winter**
- CBEE 102 or ENGR 112 (F, W, S)
- CH 232/262 Chemistry (F, W, S)
- MTH 252 Integral Calculus (F, W, S)
- COMM 111/114 Speech (F, W, S)
- Perspective Social Processes & Institutions (F, W, S)

**Spring**
- MTH 254 Vector Calculus (F, W, S)
- PH 211 Physics w/ Calculus (F, W, S)
- REC 111/114 Speech (F, W, S)
- Perspective Social Processes & Institutions (F, W, S)

**SECOND YEAR**

**Fall**
- Lifetime Fitness e.g. HHS 231 + Lab. (F, W, S)
- CH 233/263 Chemistry (S)
- MTH 256 Differential Equations (F, W, S)
- MTH 251 Differential Calculus (F, W, S)
- BI 231 Intro. to Human Anatomy & Physiology (F)

**Winter**
- CBEE 211 Material Balances and Stoichiometry (F)
- MTH 252 Co-Req
- CH 331 Organic Chemistry (F)
- MTH 252 Co-Req
- PH 212 Physics w/ Calculus (F, W)

**Spring**
- CBEE 212 Energy Balances (W, S)
- MTH 254 Co-Req
- CH 332 Organic Chemistry (F)
- MTH 252 Co-Req
- PH 213 General Physics (W, S)

Shaded courses are required by the college prior to admission to the Professional Engineering Program.
Shaded courses are additional prerequisites for third-year courses.
The number within the parenthesis represent the credits of the course.
F, W, S: Represents the term the course is offered (Fall, Winter and Spring term respectively)
Pre-BIOENGINEERING

Additional courses not requiring admission to the Professional Engineering Program

NOTES:

1. MTH 306 – Matrix and Power Series Methods (4), includes content covered in MTH 253 – Infinite Series (4) and MTH 341 – Linear Algebra (3) or equivalent.

2. Credits to graduate = 192.

3. CHE 299 (6) is an 11-week, on-line course offered in the summer to fulfill the CBEE 211 & 212 requirement. Register with departmental approval only.