# BS in Engineering with Pre-Med Advising Curriculum

## Freshman Year

### Fall - 16 credit hours

- **ENGR 101** Introduction to Engineering Design (4)
- **MATH 161** Calculus I (4)
- **BIOL 101** General Biology I
- **BIOL 111** General Biology Lab I (1)
- **PHYS 111K** College Physics I
- **UNIV 101** First Year Seminar (1)

### Spring - 18 credit hours

- **COMP 170** Object-Oriented Programming
- **MATH 162** Calculus II (4)
- **PHYS 112K** College Physics II
- **PHYS 126L** General Physics Laboratory II (1)
- **UCWR 110** Writing Responsibility
- **LUC Core**
- **ENGR 102** Freshman Seminar (1)

## Sophomore Year

### Fall - 14 credit hours

- **ENGR 201** Experiential Engineering
- **MATH 263** Multivariate Calculus
- **CHEM 101** General Chemistry A
- **CHEM 111** General Chemistry Lab A (1)
- **LUC Core**
- **Foreign Language 101**

### Spring - 14 credit hours

- **ENGR 311** Engineering Systems I
- **ENGR 321** Electronic Circuits & Devices (2)
- **MATH 266** Differential Equations & Linear Algebra
- **LUC Core**
- **Foreign Language 102**

## Summer Session I

- **BIOL 102** General Biology II
- **LUC Core**

## Summer Session II

- **CHEM 102** General Chemistry B
- **LUC Core**
# JUNIOR YEAR

### FALL - 15 credit hours
- ENGR 312 Engineering Systems II
- ENGR 322 Chemical & Thermal Processes
- ENGR 323 Digital Electronics/Computer Engineering (2)
- ENGR 324 Mechanics
- ENGR 324L Core Engineering Lab (1)
- LUC Core

### SPRING - 16 credit hours
- ENGR 313 Engineering Systems III
- ENGR 325 Materials Engineering
- ENGR 3xx Specialty Engineering I
- ENGR 3xxL Specialty Engineering I Lab (1)
- STAT 203 Statistics
- LUC Core

### SUMMER SESSION I
- CHEM 223 Organic Chemistry A
- CHEM 225 Organic Chemistry Lab A (1)

### SUMMER SESSION II
- CHEM 224 Organic Chemistry B
- CHEM 226 Organic Chemistry Lab B (1)

# SENIOR YEAR

### FALL - 16 credit hours
- ENGR 38x Specialty Capstone Design I (4)
- ENGR 3xx Specialty Engineering II
- LUC Core
- LUC Core
- LUC Core

### SPRING - 12 credit hours
- ENGR 39x Specialty Capstone Design II
- ENGR 3xx Specialty Engineering III
- LUC Core
- LUC Core
- LUC Core

# PART-TIME POST-BAC YEAR

### FALL
- BIOL 251 Cell Biology (Very Highly Recommended for MCAT)
- BIOL 282 Genetics (Very Highly Recommended for MCAT)

### SPRING
- CHEM 361 Survey in Biochemistry
- OR BIOL 366 Cell Physiol & Bioch