

The following is a sample 4-year plan. Please note that student-specific plans may differ. Consult with your academic advisor for your specific plan.

For more information on major requirements and technical elective courses, go to catalog.usu.edu and select "Degree Maps."

PRE-PROFESSIONAL PROGRAM

| FRESHMAN FALL | | | FRESHMAN SPRING | | | SOPHOMORE FALL | | | SOPHOMORE SPRING | | |
|---|-----------------|------------------|---|-----------------|------------------|--|-----------------|------------------|---|-----------------|------------------|
| COURSE | CR ⁺ | SEM ⁺ | COURSE | CR ⁺ | SEM ⁺ | COURSE | CR ⁺ | SEM ⁺ | COURSE | CR ⁺ | SEM ⁺ |
| BENG 1000* Intro to Undergrad. Research | 1 | F | BENG 1880* Quantitative Biological Sys. | 3 | Sp | BENG 2330* Properties of Biomaterials | 3 | F | BENG 2400* Thermodynamics | 3 | Sp |
| BIOL 1610* Biology 1 | 3 | F | ENGR 2270* Computer Engr. Drafting | 2 | FSp | CHEM 2300* Organic Chemistry 1 | 3 | F | ENGR 2140* Mechanics of Materials | 3 | FSpSu |
| BIOL 1615* Biology 1 Lab | 1 | F | MATH 1220* Calculus 2 | 4 | FSpSu | CHEM 2315* Organic Chemistry 1 Lab | 1 | F | ENGR 2210 Fundamental Electronics | 3 | FSpSu |
| CHEM 1210* Chemistry 1 | 4 | FSp | PHYS 2210* Physics 1 | 4 | FSpSu | ENGR 2010* Statics | 3 | FSp | CHEM 3700 Introductory Biochemistry | 3 | Sp |
| CHEM 1215* Chemistry 1 Lab | 1 | FSp | PHYS 2215* Physics 1 Lab | 1 | FSpSu | MATH 2250* Linear Algebra & Diff. Eq. | 4 | FSpSu | CHEM 3710 Introductory Biochemistry Lab | 1 | Sp |
| MATH 1210* Calculus 1 | 4 | FSpSu | ENGL 2010* Intermediate Writing | 3 | FSpSu | GENERAL EDUCATION Breadth Course (BAI) | 3 | FSpSu | GENERAL EDUCATION Breadth Course (BSS) | 3 | FSpSu |
| GENERAL EDUCATION Breadth Course (BCA) | 3 | FSpSu | | | | | | | | | |
| TOTAL CREDITS 17 | | | TOTAL CREDITS 17 | | | TOTAL CREDITS 17 | | | TOTAL CREDITS 16 | | |

PROFESSIONAL PROGRAM

| JUNIOR FALL | | | JUNIOR SPRING | | | SENIOR FALL | | | SENIOR SPRING | | |
|--|-----------------|------------------|---|-----------------|------------------|---|-----------------|------------------|--|-----------------|------------------|
| COURSE | CR ⁺ | SEM ⁺ | COURSE | CR ⁺ | SEM ⁺ | COURSE | CR ⁺ | SEM ⁺ | COURSE | CR ⁺ | SEM ⁺ |
| BENG 3200 Intro to Unit Operations | 3 | F | BENG 3000 Instrumentation for Bio. Sys. | 3 | Sp | BENG 4890 Biol. Engr. Design 3 | 3 | F | BENG ELECTIVE See approved list | 3 | FSp |
| BENG 3500 Fluid Mechanics in Biol. Engr. | 3 | F | BENG 3670 Transport Phenomena | 3 | Sp | BENG 5020 Biol. Modeling and Controls | 3 | F | TECHNICAL ELECTIVE See approved list | 3 | FSp |
| BENG 3870 Biol. Engr. Design 1 | 1 | F | BENG 4880 Biol. Engr. Design 2 | 3 | Sp | BENG ELECTIVE See approved list | 3 | FSp | TECHNICAL ELECTIVE See approved list | 3 | FSp |
| STAT 3000 Statistics for Scientists | 3 | FSpSu | ENGR 2450 Numerical Methods | 3 | Sp | ENGR ELECTIVE See approved list | 3 | FSp | GENERAL EDUCATION Depth Course (DSS) | 3 | FSpSu |
| CS 1400 Computer Science 1 | 4 | FSpSu | BIOL 3300 General Microbiology | 4 | FSp | TECHNICAL ELECTIVE See approved list | 2 | FSp | GENERAL EDUCATION Depth Course (DHA) | 2 | FSpSu |
| GENERAL EDUCATION Breadth Course (BHU) | 3 | FSpSu | | | | FUND. OF ENGR. EXAM (FE) Graduation Requirement | | | | | |
| TOTAL CREDITS 17 | | | TOTAL CREDITS 16 | | | TOTAL CREDITS 14 | | | TOTAL CREDITS 14 | | |

TOTAL CREDITS REQUIRED 128

UNIVERSITY REQUIREMENTS

English 1010 is a University requirement and is a prerequisite for English 2010. An English ACT score of 29+ or an SAT verbal score of 640+ will fulfill the English 1010 requirement.

PRE-PROFESSIONAL PROGRAM (PPRU) REQUIREMENTS

- Complete courses marked with an asterisk (*)
- No more than three total repeats for PPRU courses
- Minimum 2.3 PPRU GPA
- Minimum grade of C- for PPRU courses

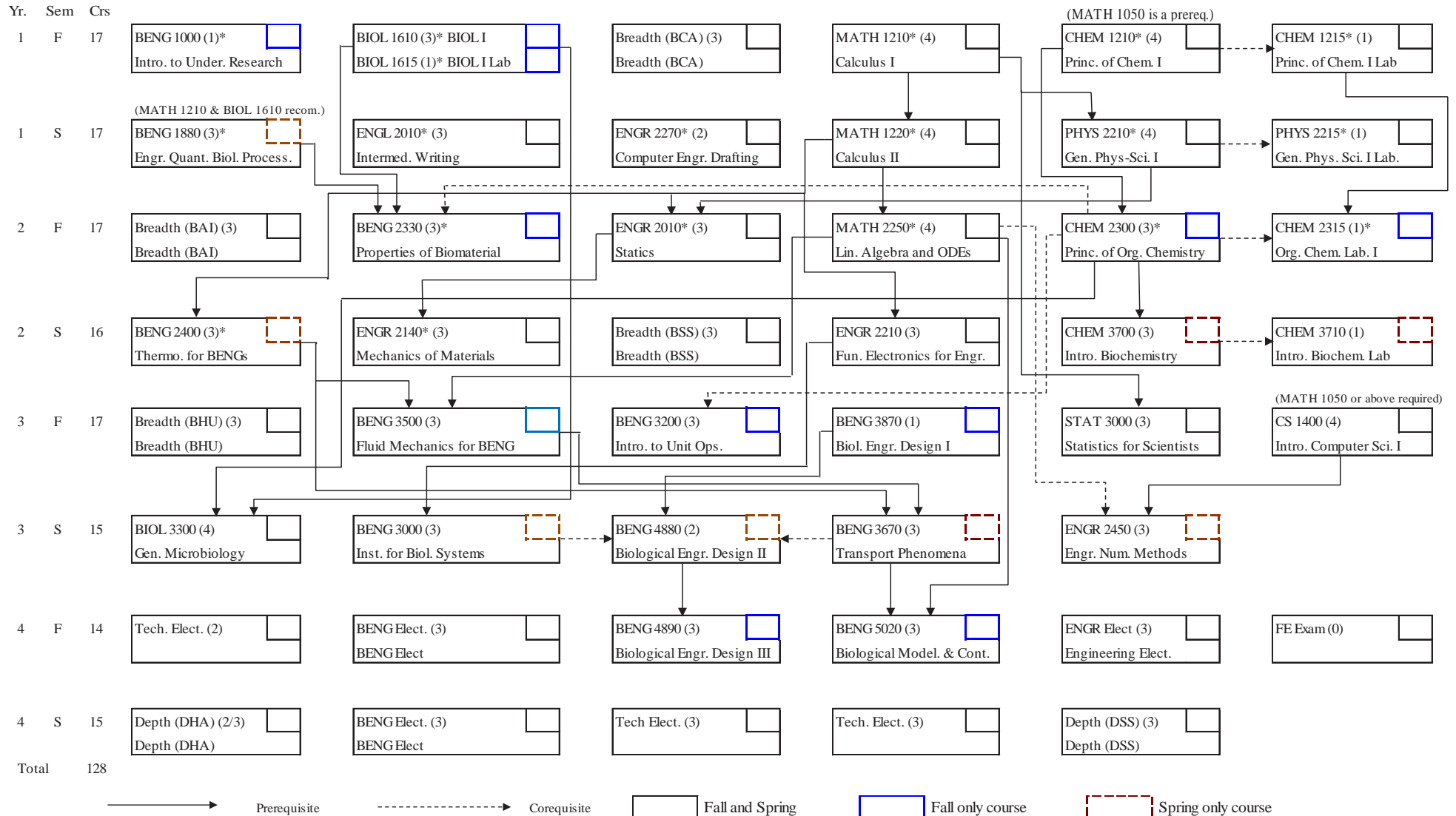
PROFESSIONAL PROGRAM (PEP) REQUIREMENTS

- No more than three total repeats for PEP courses
- Minimum 2.0 PEP GPA
- Minimum grade of C- for PEP courses

+ Abbreviations: (CR) Credits • (SEM) Semester • (F) Fall • (Sp) Spring • (Su) Summer

ACADEMIC YEAR
2017-18

Any discrepancy between this chart and the 2017-18 General Catalog is resolved in favor of the General Catalog.



* Required for admission to Professional Program.

^a Classes traditionally offered (3) in the summer.



ACADEMIC YEAR
2017-18