

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

COURSE	CR ⁺	SEM ⁺
BENG 1000* Intro to Undergrad. Research	1	F
BIOL 1610* + 1615* Biology 1 + Lab	4	F
CHEM 1210* Chemistry 1	4	FSp
CHEM 1215* Chemistry 1 Lab	1	FSp
MATH 1210* Calculus 1	4	FSpSu
GENERAL EDUCATION Breadth Course (BCA)	3	FSpSu

TOTAL CREDITS 17

FRESHMAN SPRING

COURSE	CR ⁺	SEM ⁺
BENG 1880* Quantitative Biological Sys.	3	Sp
ENGR 2270* Computer Engr. Drafting	2	FSp
MATH 1220* Calculus 2	4	FSpSu
PHYS 2210* Physics 1	4	FSpSu
PHYS 2215* Physics 1 Lab	1	FSpSu
ENGL 2010* Intermediate Writing	3	FSpSu

TOTAL CREDITS 17

SOPHOMORE FALL

COURSE	CR ⁺	SEM ⁺
BENG 2330* Properties of Biomaterials	3	F
CHEM 2300* Organic Chemistry 1	3	F
CHEM 2315* Organic Chemistry 1 Lab	1	F
ENGR 2010* Statics	3	FSp
MATH 2250* Linear Algebra & Diff. Eq.	4	FSpSu
GENERAL EDUCATION Breadth Course (BAI)	3	FSpSu

TOTAL CREDITS 17

SOPHOMORE SPRING

COURSE	CR ⁺	SEM ⁺
BENG 2400* Thermodynamics	3	Sp
ENGR 2140* Mechanics of Materials	3	FSpSu
ENGR 2210* Fundamental Electronics	3	FSpSu
CHEM 3700 Introductory Biochemistry	3	Sp
CHEM 3710 Introductory Biochemistry Lab	1	Sp
GENERAL EDUCATION Breadth Course (BSS)	3	FSpSu

TOTAL CREDITS 16

PROFESSIONAL PROGRAM

JUNIOR FALL

COURSE	CR ⁺	SEM ⁺
BENG 3200 Intro to Unit Operations	3	F
BENG 3500 Fluid Mechanics in Biol. Engr.	3	F
BENG 3870 Biol. Engr. Design 1	1	F
STAT 3000 Statistics for Scientists	3	FSpSu
CS 1400 Computer Science 1	4	FSpSu
GENERAL EDUCATION Breadth Course (BHU)	3	FSpSu

TOTAL CREDITS 17

JUNIOR SPRING

COURSE	CR ⁺	SEM ⁺
BENG 3000 Instrumentation for Bio. Sys.	3	Sp
BENG 3670 Transport Phenomena	3	Sp
BENG 4880 Biol. Engr. Design 2	3	Sp
ENGR 2450 Numerical Methods	3	Sp
BIOL 3300 General Microbiology	4	FSp

TOTAL CREDITS 16

SENIOR FALL

COURSE	CR ⁺	SEM ⁺
BENG 4890 Biol. Engr. Design 3	3	F
BENG 5020 Biol. Modeling and Controls	3	F
BENG ELECTIVE	3	FSp
ENGR ELECTIVE	3	FSp
TECHNICAL ELECTIVE	2	FSp

TOTAL CREDITS 14

SENIOR SPRING

COURSE	CR ⁺	SEM ⁺
BENG ELECTIVE	3	FSp
TECHNICAL ELECTIVE	3	FSp
TECHNICAL ELECTIVE	3	FSp
GENERAL EDUCATION Depth Course (DSS)	3	FSpSu
GENERAL EDUCATION Depth Course (DHA)	2	FSpSu
FUND. OF ENGR. EXAM (FE) Graduation Requirement		

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

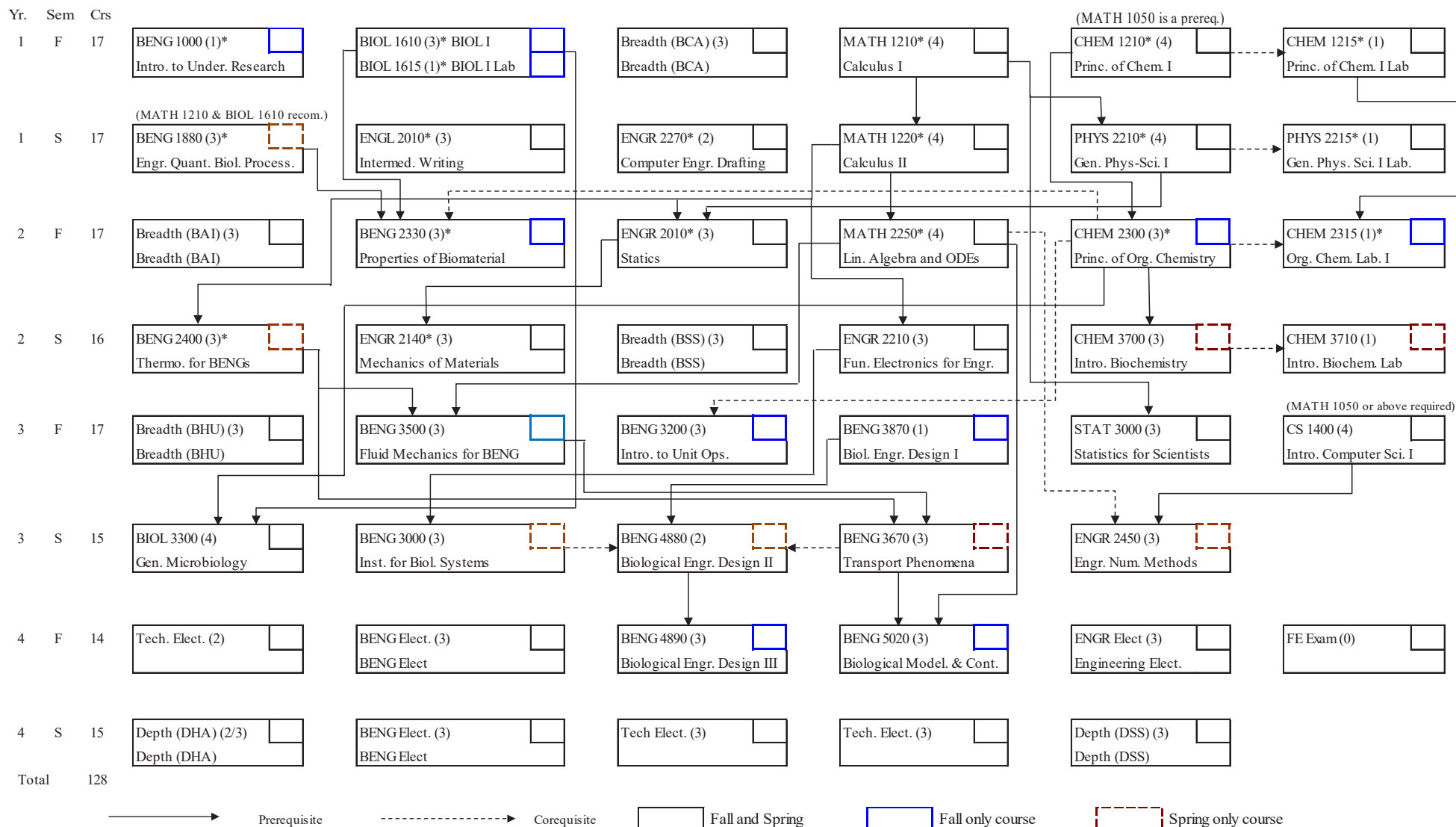
PROFESSIONAL PROGRAM (PEP) REQUIREMENTS

- 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 in the summer.



ACADEMIC YEAR
2017 - 18