

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* Quantification Biol. Processes	3	Sp	BENG 2330* Properties of Biomaterials	3	F	BENG 2400* Thermodynamics	3	Sp
BIOL 1610* Biology 1	3	F	BENG 1200* SolidWorks	2	FSp	CHEM 2300* Principles of Organic Chem.	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 4880 Biol. Engr. Design 2	3	F	BENG 4890 Biol. Engr. Design 3	3	Sp
BENG 3500 Fluid Mechanics in Biol. Engr.	3	F	BENG 3670 Transport Phenomena	3	Sp	BENG 5020 Biol. Modeling and Controls	3	F	BENG ELECTIVE See approved list	3	FSp
CS 1400 Computer Science 1	4	FSpSu	BENG 3870 Biol. Engr. Design 1	1	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	BIOL 3300 General Microbiology	4	FSp	ENGR ELECTIVE See approved list	3	FSp
GENERAL EDUCATION Breadth Course (BHU)	3	FSpSu	ENGR 3080 Tech. Comm. for Engineers	3	FSp	TECHNICAL ELECTIVE See approved list	2	FSp	GENERAL EDUCATION Depth Course (DSS)	3	FSpSu
			GENERAL EDUCATION Depth Course (DHA)	2	FSpSu	FUND. OF ENGR. EXAM (FE) Graduation Requirement					
TOTAL CREDITS 16			TOTAL CREDITS 15			TOTAL CREDITS 15			TOTAL CREDITS 15		

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 (PP) REQUIREMENTS

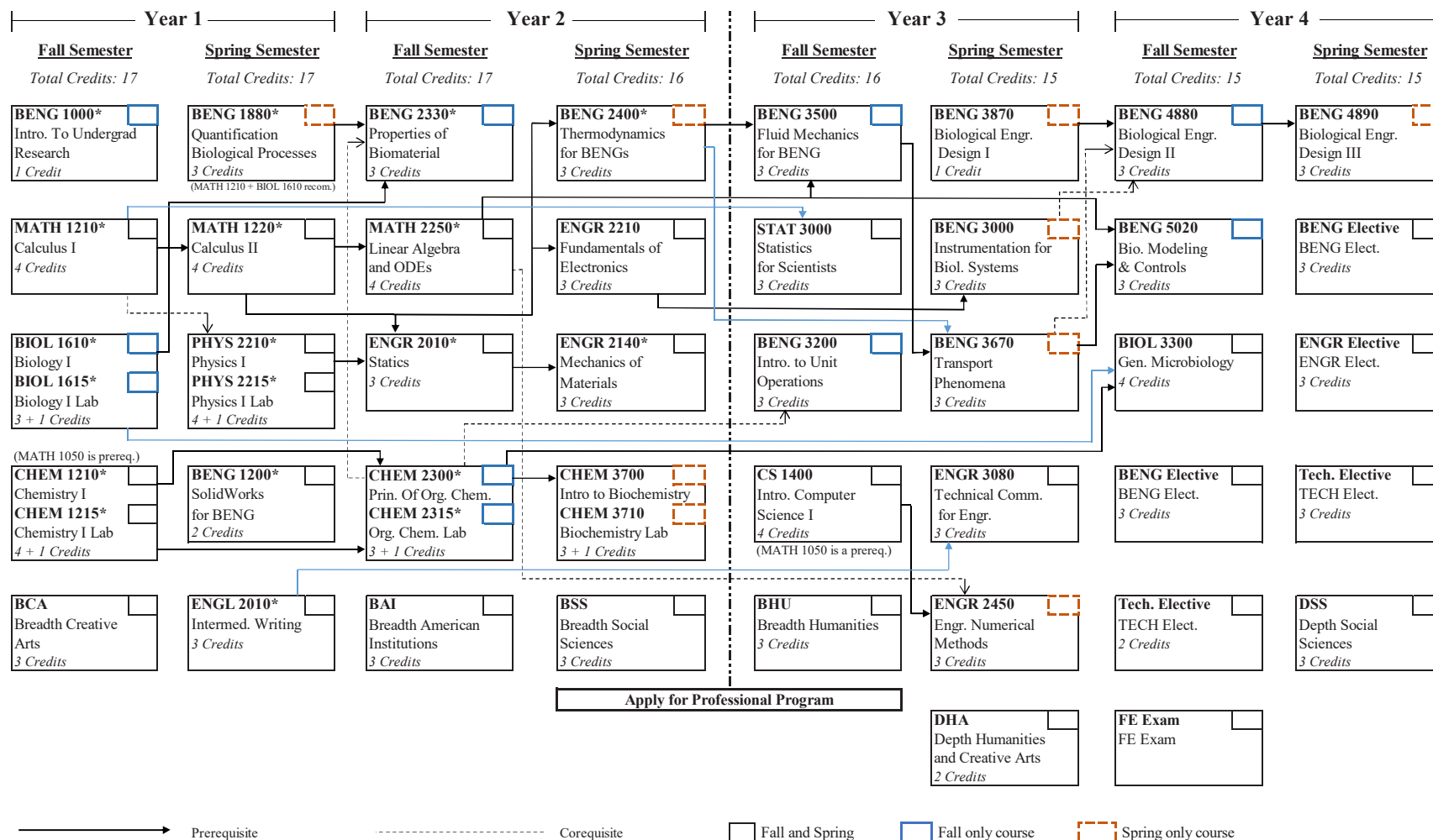
- No more than three total repeats for Professional Program courses
- Minimum 2.0 Professional GPA
- Minimum grade of C- for Professional courses

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



ACADEMIC YEAR
2019-20

Any discrepancy between this chart and the 2019-20 General Catalog is resolved in favor of the General Catalog.



* Required for admission to Professional Program.



ACADEMIC YEAR
2019-20