



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 ⁺
CHEM 1210* Chemistry 1	4	FSp
CHEM 1215* Principles of Chemistry 1 Lab	1	FSp
MATH 1210* Calculus 1	4	FSpSu
MAE 1010* Intro to Mech. Engr.	3	FSp
GENERAL EDUCATION Breadth Course (BAI)	3	FSpSu

TOTAL CREDITS **15**

FRESHMAN SPRING

COURSE	CR ⁺	SEM ⁺
MAE 1200* Engineering Graphics	2	FSp
MATH 1220* Calculus 2	4	FSpSu
PHYS 2210* Physics 1	4	FSpSu
PHYS 2215* Physics 1 Lab	1	FSpSu
GENERAL EDUCATION Breadth Course (BCA)	3	FSpSu

TOTAL CREDITS **14**

SOPHOMORE FALL

COURSE	CR ⁺	SEM ⁺
ENGL 2010* Intermediate Writing	3	FSpSu
ENGR 2010* Statics	3	FSp
ENGR 2210* Fundamental Electronics	3	FSpSu
MATH 2210* Multivariable Calculus	3	FSpSu
PHYS 2220* Physics 2	4	FSpSu
PHYS 2225* Physics 2 Lab	1	FSpSu

TOTAL CREDITS **17**

SOPHOMORE SPRING

COURSE	CR ⁺	SEM ⁺
MAE 2160* Material Science	3	FSp
MAE 2165* Material Science Lab	1	FSp
MATH 2250* Linear Algebra & Diff. Eq.	4	FSpSu
ENGR 2030* Dynamics	3	FSpSu
ENGR 2140* Mechanics of Materials	3	FSpSu
MAE 2300* Thermodynamics 1	3	SpSu

TOTAL CREDITS **17**

PROFESSIONAL PROGRAM

JUNIOR FALL

COURSE	CR ⁺	SEM ⁺
CS 1400 Computer Science 1	4	FSpSu
MAE 3600 Engr. Professionalism & Ethics	1	FSp
ENGR 3080 Technical Communication	3	FSp
MAE 3040 Mechanics of Solids	3	F
MAE 5360 or MAE 5300 Adv. Dynamics or Vibrations	3	F
MAE 3420 Fluid Mechanics	3	F

TOTAL CREDITS **17**

JUNIOR SPRING

COURSE	CR ⁺	SEM ⁺
MAE 3210 Numerical Methods	3	Sp
MAE 3340 Instr. & Measurements	3	Sp
MAE 3440 Heat Transfer	3	Sp
MAE 4300 Machine Design	3	Sp
GENERAL EDUCATION Breadth Course (BLS)	3	FSpSu

TOTAL CREDITS **15**

SENIOR FALL

COURSE	CR ⁺	SEM ⁺
MAE 4400 Fluids/Thermal Lab	2	FSp
MAE 4800 Capstone Design 1	3	FSp
TECHNICAL ELECTIVE	3	FSp
TECHNICAL ELECTIVE	3	FSp
GENERAL EDUCATION Breadth Course (BHU)	3	FSpSu
GENERAL EDUCATION Breadth Course (BSS)	3	FSpSu

TOTAL CREDITS **17**

SENIOR SPRING

COURSE	CR ⁺	SEM ⁺
MAE 4810 Capstone Design 2	3	FSp
TECHNICAL ELECTIVE	3	FSp
TECHNICAL ELECTIVE	3	FSp
GENERAL EDUCATION Depth Course (DHA)	3	FSpSu
GENERAL EDUCATION Depth Course (DSS)	3	FSpSu
FUND. OF ENGR. EXAM (FE) Graduation Requirement		

TOTAL CREDITS **15**

TOTAL CREDITS REQUIRED **127**

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 2.8 PPRU GPA
- Minimum grade of C- for PPRU courses

PROFESSIONAL PROGRAM (PEP) REQUIREMENTS

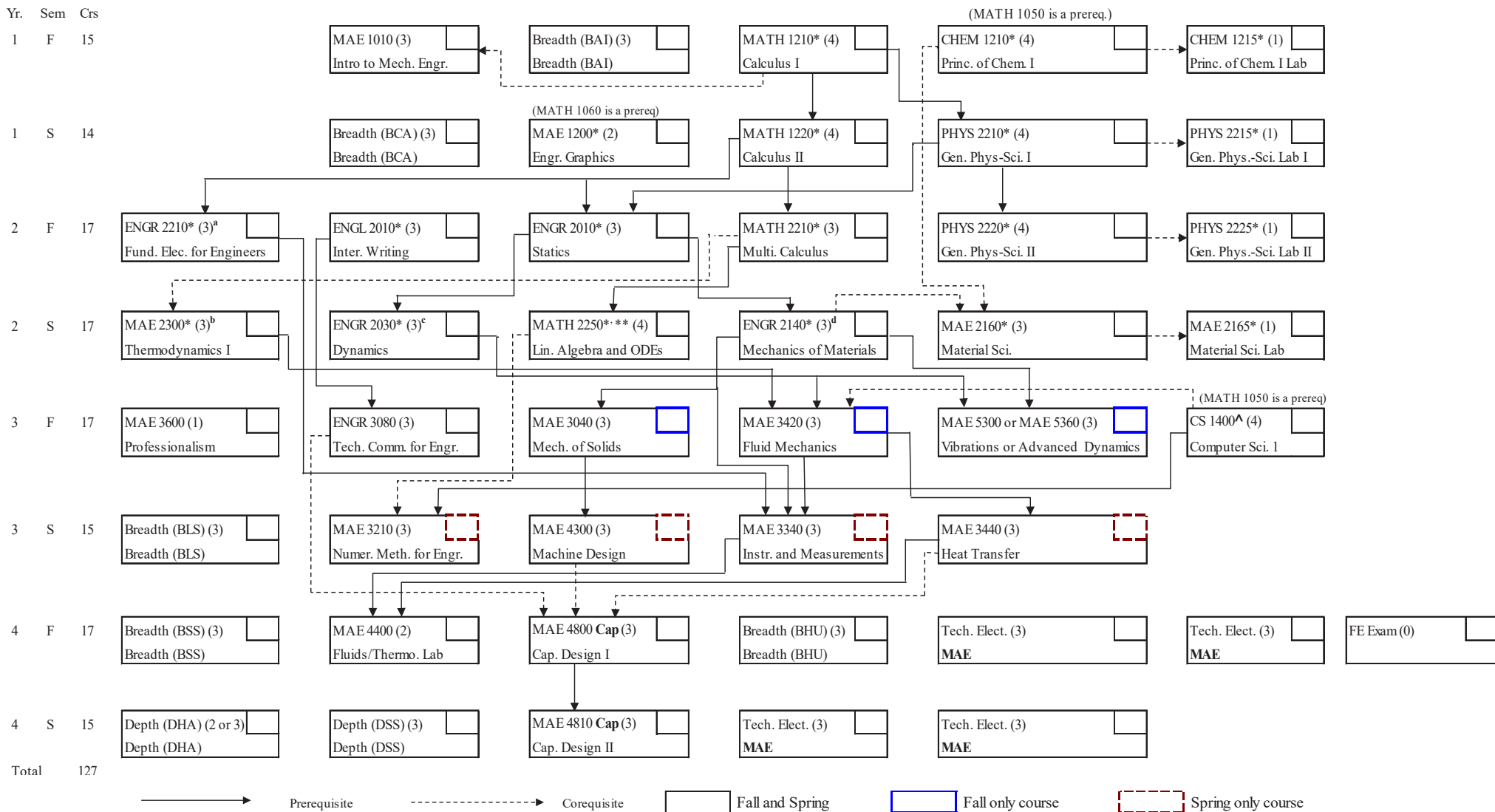
- No more than one total repeat for PEP courses
- Minimum 2.0 PEP GPA
- Up to 10 "D" credits are allowed (all other grades must be a C- or better)

⁺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.



ACADEMIC YEAR
2017 - 18