

Name: _____

Exp. Grad.: Fall ____ / Spring ____

Renewable Engineering
Suggested Curriculum Course Plan for students entering Fall 2021 – Spring 2022

Semester 1		Semester 2		Semester 3		Semester 4	
Course (cr. Hr.)	X	Course (cr. Hr.)	X	Course (cr. Hr.)	X	Course (cr. Hr.)	X
CHEM 105 (3) & CHEM 105L(1)		CHEM 106 (3) & CHEM 106(1)		ENGR 102 (2)		ENGR 220/ELEC 221 (4)	
ENGL 101 (4)*		ENGR 104 (2)		ENGR 360 (0)		RNEW 303/ENGR 203 or CSCI 156 (4)	
ENGR 101 (2)		ENGR 160 (0)		MATH 253 (4)		ENGR 305 or ENGR 202 (3)	
ENGR 117 (2)		MATH 152 (4)		PHYS 126 (4)		ENGR 360 (0)	
ENGR 160 (0)		PHYS 125 (4)		RNEW 201 (3)		MATH 271 (3)	
MATH 151 (4)		ENGR 110 (4)		RNEW 255 (3)		MECH 212 (3)	
UNIV 101 (1)							
Total (17)		Total (18)		Total (16)		Total (17)	

*ENGL 101 if required ; otherwise ENGR 110 or student choice of GenEd (2-4).

Semester 5		Semester 6		Semester 7		Semester 8	
Course (cr. Hr.)	X	Course (cr. Hr.)	X	Course (cr. Hr.)	X	Course (cr. Hr.)	X
ENGR 306 [†] (2)		ENGR 360 (0)		ENGR 360 (0)		ENGR 360 (0)	
ENGR 360 (0)		ENGR 395 [†] (2)		ENGR 490 (2)		ENGR 490 (2)	
MECH 320 (3)		MECH 326 (3)		RNEW 310 (3)		RNEW 431 (3)	
MECH 324 (3)		MECH 354 (3)		RNEW 468 (3)		RNEW 432 (3)	
MECH 435 (3)		MECH 422 (3)		GenEd (4)		Elective [°] (3)	
RNEW 320/ELEC 321 (4)		Elective [°] (3)		GenEd (3)		GenEd (4)	
RNEW 322 (3)		GenEd (2)					
Total (18)		Total (16)		Total (15)		Total (15)	

°Six electives as defined below.

Total Credits: 132

†ENGR 486 (4) may be substituted for ENGR 306 (2) and ENGR 395 (2).

Requirements:

1. AU Global Perspective
2. AU Wellness & Physical Education
3. SOE Minimum Credit Requirement of 128 credits
4. SOE GPA requirement and 'D' policy
5. SOE Seminar requirement
6. SOE General Education Requirement of 60 credits comprising: Quantitative Reasoning, Humanities (minimum of two courses with different subjects), Natural Science, Social Science (minimum of one course), AU Wellness, Written Communication, and General/Arts (maximum of eight credits).
7. Defense of Capstone Poster & submission of approved project report. (Thesis 480 2+2 with the same instructor)

Complete SOE requirements are available in the AU Undergraduate Catalog 2020-2021.

<https://alfred.edu/academics/undergrad-majors-minors/catalog.cfm>Degree Evaluation, including What-If, available at <https://banweb.alfred.edu/> or via *DegreeWorks*.**Definitions of Electives:**

Electives: (A) Most 300- and 400-level courses designated CEMS, CHEM, ENGR, MATH, MECH, PHYS, or RNEW. Exceptions include CHEM 343 and MATH 331 and Topics courses unless approved by the Dean. (B) One of FIN 348 or MGMT 328, (C) COOP 385.