

Name: _____

Exp. Grad.: Fall ____ / Spring ____

Renewable Engineering
Suggested Curriculum Course Plan for students entering Fall 2022 – Spring 2023

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 106L (1)		ENGR 110 (4)		ELEC 221 (4)	
ENGL 101 (4)*		ENGR 102 (2)		ENGR 360 (0)		CSCI 156 (4)	
ENGR 101 (2)		ENGR 160 (0)		MATH 253 (4)		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 104 (2)		GenEd (3)		MECH 212 (3)	
		UNIV 101 (1)					
Total (16)		Total (17)		Total (86)		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
ELEC 321 (4)		ENGR 306 [‡] (2)		ENGR 360 (0)		ENGR 360 (0)	
ENGR 360 (0)		ENGR 360 (0)		ENGR 490 (2)		ENGR 490 (2)	
MECH 320 (3)		ENGR 395 [‡] (2)		RNEW 310 (3)		RNEW 431 (3)	
MECH 324 (3)		MECH 326 (3)		RNEW 355 (3)		RNEW 432 (3)	
MECH 435 (3)		MECH 354 (3)		RNEW 468 (3)		°Elective (3)	
RNEW 322 (3)		MECH 422 (3)		GenEd (4)		GenEd (4)	
GenEd (2)		°Elective (3)					
Total (18)		Total (16)		Total (15)		Total (15)	

Total Credits: 132

°Six electives as defined below.

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

Complete SOE requirements are available in the AU Undergraduate Catalog 2022-2023.

<https://alfred.edu/academics/undergrad-majors-minors/catalog.cfm>

Degree Evaluation 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.

Requirements:

8. AU Global Perspective
9. AU Wellness & Physical Education
10. SOE Minimum Credit Requirement of 128 credits
11. SOE GPA requirement and 'D' policy
12. SOE Seminar requirement
13. SOE General Education Requirement of 60 credits comprising: Quantitative Reasoning, Humanities (minimum of **six credits with at least two different acronyms**, Natural Science, Social Science (minimum of **three credits**), AU Wellness, Written Communication, and General/Arts (maximum of eight credits).
14. Defense of Capstone Poster & submission of approved Thesis. (Thesis **ENGR 490 2+2** with the same instructor).

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Degree Evaluation, including What-If, available at <https://banweb.alfred.edu/> or via DegreeWorks.