

Name: \_\_\_\_\_

Exp. Grad.: Fall \_\_\_\_\_ / Spring \_\_\_\_\_

**Mechanical Engineering**  
**Suggested Curriculum by Semester for students entering Fall 2019 – Spring 2020**

<b>Semester 1</b>		<b>Semester 2</b>		<b>Semester 3</b>		<b>Semester 4</b>	
<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>
CHEM 105 (4)		CHEM 106 (4)		CEMS 214 (3)		ENGR 110 (4)	
ENGL 101 (4)*		ENGR 104 (2)		ENGR 360 (0)		ENGR 220 (4)	
ENGR 101 (2)		ENGR 160 (0)		MATH 253 (4)		ENGR 360 (0)	
ENGR 102 (2)		MATH 152 (4)		MECH 211 (3)		MATH 271 (3)	
ENGR 160 (0)		PHYS 125 (4)		PHYS 126 (4)		MECH 212 (3)	
MATH 151 (4)		Two of ENGR		Hum/SS/Arts (4)		MECH 241 (3)	
UNIV 101 (1)		111-116 Eng.					
Hum/SS/Arts (3)		Explorations (1+1)					
<b>Total (16)</b>		<b>Total (16)</b>		<b>Total (18)</b>		<b>Total (17)</b>	

\*ENGL 101 if required (credits not counted for graduation); otherwise student choice meeting a requirement.

<b>Semester 5</b>		<b>Semester 6</b>		<b>Semester 7</b>		<b>Semester 8</b>	
<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>
ENGR 305 (3)		ENGR 360 (0)		ENGR 360 (0)		ENGR 360 (0)	
ENGR 306 (2)		ENGR 395 (2)		ENGR 490 (2)		ENGR 490 (2)	
ENGR 360 (0)		MATH 371 (4)		MECH 343 (2)		MECH 327 (2)	
MECH 320 (3)		MECH 321 (3)		MECH 366 (3)		Elective° (3)	
MECH 324 (3)		MECH 326 (3)		MECH 417 (3)		Elective° (3)	
MECH 362 (3)		MECH 364 (3)		Elective° (3)		Hum/SS/Arts (4)	
Hum/SS/Arts (4)		Elective° (3)					
<b>Total (18)</b>		<b>Total (18)</b>		<b>Total (13)</b>		<b>Total (14)</b>	

°Electives must be Technical (3) or MECH (6) as defined below.

**Total Credits: 130**

**Requirements:**

1. AU Global Perspective
2. AU Wellness & Physical Education Requirement
3. SOE Minimum Credit Requirement of 128 credits, excluding Physical Education, Wellness, ENGL 101
4. SOE GPA requirement and 'D' policy
5. SOE Seminar requirement
6. SOE Written Communication Requirement: Typically ENGL 101 and ENGR 110. ENGR 101 does not count towards the minimum credits for graduation; some students may be exempt.
7. SOE Humanities/Social Science/Arts Requirement (20 credits including ENGR 110 and UNIV 101 with courses having a minimum of three attributes: A/B, C, D, E, II)
8. Defense of Capstone Poster & submission of approved Thesis.

Complete SOE requirements are available on pages 58-64 of the [AU Undergraduate Catalog 2019-2020](#)

Degree Evaluation, including What-If or via *DegreeWorks*.

**Definitions of Electives:**

**MECH Electives:** One of CEMS 336 or CEMS 446, RNEW 310, RNEW 322, RNEW 431, RNEW 432, RNEW 468, any non-required MECH 3xx or 4xx

**Technical Electives:** (A) Most 300- and 400-level courses designated CEMS, CHEM, ENGR, MATH, MECH, PHYS, or RNEW. Exceptions include MATH 331 and some special topic courses. (B) One of FIN 348 or MGMT 328, (C) COOP 385.