It is recommended that you use DegreeWorks on your UAOnline account for the most up to date and reliable degree requirements. This worksheet is for planning purposes only!

Total credits needed as per catalog: 130

**General UAF Requirements:**

**COMMUNICATIONS: (9)**
ENGL 111X (3)_______  
ENGL 211X or 213X (3)_______  
COMM 131X or 141X (3)_______

**PERSPECTIVES ON THE HUMAN CONDITION: (18)**
Complete 6 of the courses listed OR 4 of those listed plus 2 semester length courses in a single AK Native or other non-English language or 3 semester length courses (9 credits) in American Sign Language.

ANTH 100X/SOC 100X (3)_______  
ECON/PS 100X (3)_______  
HIST100X (3)_______  
ART/MUS/THR 200X or HUM 201X or ANS 202X (3)_______  
ENGL/FL 200X (3)_______  
BA 323X or COMM 300X or JUST 300X or NRM 303X or PHIL 322X or PS 300X (3)_______  

Language option as listed above:
_________ ( ) _______ _______ _______ _______ _______

**MATHEMATICS: (15)**
MATH 251X (4)_______ MATH 252X (4)_______  
MATH 253X (4)_______ MATH 302 (3)_______

**NATURAL SCIENCE: (16)**
CHEM 105X (4)_______ CHEM 106X (4)_______  
PHYS 211X (4)_______ PHYS 212X (4)_______

**LIBRARY & INFO SKILLS: (0-1)**
LS 100X or 101X (1)_______  
or LS competency test (0)___________

Complete 2 designated (W) courses AND 1 designated (O) course OR 2 courses designated (O/2) at the upper division level: (these are built in to our program)

ESM 450 (W)  ME 415 (W)  ME 487 (O)

Must have 39 UPPER DIVISION CREDITS and minimum of 24 UAF credits

**Mechanical Engineering Major Requirements:**

**A. Complete the following: (32)**
ME 302 (4)_______  
ME 308 (3)_______  
ME 313 (3)_______  
ME 321 (3)_______  
ME 334 (3)_______  
ME 403 (3)_______  
ME 408 (3)_______  
ME 415 (3)_______ (W)  
ME 441 (3)_______  
ME 486 (1)_______ (W/O)  
ME 487 (3)_______ (W/O)

**B. Complete electives (9)**
(Can be courses taken for either concentration listed below)

ME_______ (3)_______*  
ME_______ (3)_______*  
*Electives must be at the 400-level or above.  
_________ (3)_______

Technical elective engineering course at the 400-level or above, work with advisor

**C. Complete the following: (31)**
ES 101 (3)_______  
ES 201 (3)_______  
ES 209 (3)_______  
ES 210 (3)_______  
ES 301 (3)_______  
ES 307 (3)_______  
ES 331 (3)_______  
ES 341 (4)_______  
ES 346 (3)_______  
ESM 450 (3)_______ (W)

**D. Complete the Fundamentals of Engineering (FE) Exam**

**Available concentrations:**

**Aerospace Engineering Concentration:**
(must complete the following as part of their program requirements and complete a senior design project (ME486/487) that is related to aerospace engineering)

ME 450 (3)_______ ME 451 (3)_______  
ME 452 (3)_______ ME 453 (3)_______

**Petroleum Engineering Concentration:**
(must complete the following as part of their program requirements and complete a senior design project (ME486/487) that is related to petroleum engineering)

ME 409 (3)_______ ME 416 (3)_______  
ME 464 (3)_______ PETE 426 (3)_______