If you are using requirements from **2011-2012 and beyond**, 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: 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 200X (4)  
- MATH 202X (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:
- (W) (W)
- (O) OR (O/2)

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)  
- ME 415 (3) (W)
- ME 441 (3)
- ME 486 (1)  
- ME 487 (3)  
- 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)  
- 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)