

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) _____
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) _____