MECHANICAL ENGINEERING

B.S. Degree Requirements
131 Credits

GENERAL REQUIREMENTS

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

PERSPECTIVES ON THE HUMAN CONDITION: (18-22)
   Complete the 6 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)
   COMM 131X or 141X (3)
   ART/MUS/THR 200X or HUM 201X or ANS 202X (3)
   BA 323X or COMM 300X or JUST 300X or NRM 303X or
   PHIL 322X or PS 303X (3)
   Language option as listed above:
   ______( ) ______( ) ______( ) ______( ) ______( ) ______( )

MATHEMATICS: (15)
   MATH 200X (4)
   MATH 201X (4)
   MATH 202X (4)
   MATH 302 (3)

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

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

D. Complete 2 elective credits:
   _______ ( ) _______ ( ) _______ ( ) _______ ( )

E. Complete the Fundamental Engineering
   Exam:_________

Note: Students electing to complete the
   aerospace engineering concentration must complete
   the following as part of their program requirements
   ("C" or better grades) and complete a senior design
   project that is related to aerospace engineering:
   ME 450 (3) ME 452 (3)
   ME 451 (3) ME 453 (3)

Note: Students electing to complete the
   petroleum engineering concentration must complete
   the following as part of their program requirements
   ("C" or better grades) and complete a senior design
   that is related to petroleum engineering:
   ME 409 (3) ME 416 (3)
   or equivalent; plus 2 400-level PETE courses:
   PETE _______ (3) PETE _______ (3)

*Designates only grades of "C" or better may be used
   to fulfill this requirement, with the exception of ES 101.

**MAJOR REQUIREMENTS

A. Complete the following: (37)
   ME 302 (4) ME 408 (3)
   ME 308 (3) ME 415 (3) (W)
   ME 313 (3) ME 441 (3)
   ME 321 (3) ME 487 (3) (W/O)
   ME 334 (3) ME____ (3) +
   ME 403 (3) ME____ (3) +
   +Must be at the 400-level or above.

B. Complete a Technical elective engineering
course at the 400-level or above:
   ______(3) ("C" grade or better)

C. Complete the following: Must earn a "C" grade
   or better in ES 331, ES 341 and ES 346: (3)
   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 2 elective credits:

E. Complete the Fundamental Engineering
   Exam:_________

Note: Students electing to complete the
   aerospace engineering concentration must complete
   the following as part of their program requirements
   ("C" or better grades) and complete a senior design
   project that is related to aerospace engineering:
   ME 450 (3) ME 452 (3)
   ME 451 (3) ME 453 (3)

Note: Students electing to complete the
   petroleum engineering concentration must complete
   the following as part of their program requirements
   ("C" or better grades) and complete a senior design
   that is related to petroleum engineering:
   ME 409 (3) ME 416 (3)
   or equivalent; plus 2 400-level PETE courses:
   PETE _______ (3) PETE _______ (3)

Credits for core/general requirements: 58
Credits required for major: 71
Elective credits: 2
Total credits required for degree 131