**GENERAL REQUIREMENTS**

**COMMUNICATION:**- (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 three semester length courses (9 credits) in American Sign Language.
- Anth 100X/Soc 100X (3)
- Econ/PS 100X (3)
- Hist 100X (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:**- (18)
- Math 200X (4)
- Math 201X (4)
- Math 202X (4)

**NATURAL SCIENCE:**- (16)
- Chem 105X (4)
- Phys 211X (4)
- Chem 106X or Phys 213X (4)

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

**UPPER DIVISION CREDITS:**- (39)
- Transfer Credits
- UAF Credits (24)*

TOTAL TO DATE:  
TO BE COMPLETED:

*Designates only grades of "C" or better may be used to fulfill this requirement.

**MAJOR REQUIREMENTS**

1. Complete the following: (72)
   - CS 201 (3)
   - CS 202 (3)
   - CS 301 (3)
   - CS 311 (3)
   - CS 321 (3)
   - CS 331 (3)
   - EE 102 (3)
   - EE 203 (4)
   - EE 204 (4)
   - EE 311 (3)
   - EE 331 (1)
   - EE 333 (4) (W)
   - EE 334 (4)
   - EE 343 (4) (was EE 442)
   - EE 443 (4)
   - EE 444 (4) (W, O)
   - EE 463 (3)
   - ES 101 (3)
   - ESM 450 (3) (W)

2. Complete 9 300/400-level credits of approved electives. The following are recommended:
   - CS 302 (3)
   - CS 381 (3)
   - CS 411 (3)
   - CS 402 (3) (W)
   - CS 431 (3) (W)
   - CS 441 (3)
   - CS 471 (3) (W)

3. Complete 3 credits of approved engineering science from the following:
   - ES 208 (4)
   - ES 331 (3)
   - ES 334 (3)
   - ES 341 (4)
   - ES 346 (3)

4. Complete the Fundamentals of Engineering Exam: ________________

COMPLETE 2 DESIGNATED (W) COURSES
AND 1 DESIGNATED (O) COURSE OR 2 COURSES DESIGNATED (O/2) AT THE UPPER DIVISION LEVEL:

(W) (W) (W)
(W) (O) OR (O/2) (O/2)

Credits for core/general requirements: **84**
Credits required for major: **135**
Total credits required for degree: **10/24/2008**
### Bachelor of Science in Computer Engineering

#### First Year: Fall
- ENGL 111X – Methods of Communication: 3
- Math 200X - Calculus I: 4
- ES 101 – Intro to Engineering: 3
- CHEM 105-General Chemistry: 4
- Perspectives on Human Condition: 3
- Total: 17

#### First Year: Spring
- COMM 131X or COMM 141X: 3
- MATH 201X-Calculus: 4
- EE 102 - Introduction to Electrical Engineering: 3
- CHEM 106-General Chemistry: 4
- Perspectives on the Human Condition: 3
- Total: 17

#### Second Year: Fall
- MATH 202X-Calculus: 4
- PHYS 211-General Physics: 4
- ENGL 211X or 213X: 3
- CS 201 - Computer Science I: 3
- EE 203 - Fundamentals of Electrical Engineering: 4
- Total: 18

#### Second Year: Spring
- MATH 302-Differential Equations: 3
- PHYS 212-General Physics: 4
- EE 204 - Fundamentals of Electrical Engineering: 4
- CS 202 - Computer Science II: 3
- Perspectives on Human Condition: 3
- LS 101X-Library Info and Research: 1
- Total: 18

#### Third Year: Fall
- EE 333W - Physical Electronics: 4
- EE 343 - Digital Systems Analysis and Design: 4
- CS 301 - Assembly Language Programming: 3
- CS 311 – Data Structures and Algorithms: 3
- Perspectives on Human Condition: 3
- Total: 17

#### Third Year: Spring
- EE 334 - Electronic Circuit Design: 4
- EE 443 – Computer Engineering Analysis: 4
- CS 321 – Operating Systems: 3
- CS 331 – Programming Languages: 3
- Perspectives on Human Condition: 3
- Total: 17

#### Fourth Year: Fall
- Math 307 – Discrete Mathematics: 3
- EE 311 – Applied Engineering Electromagnetics: 3
- EE 331 – High Frequency Lab: 1
- Approved Engineering Science Elective: 3
- EE 444WO – Embedded Systems Design: 4
- Approved EE or CS Elective: 3
- Total: 17

#### Fourth Year: Spring
- ESM 450-Econ. Analysis & Operations: 3
- EE 463 – Communication Networks: 3
- Perspectives on Human Condition: 3
- Approved EE or CS Elective: 3
- Approved EE Elective: 3
- Take Alaska Engineer-int-Training Exam: 18-19

(CMER) 10/24/2008