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

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 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 361 (3)
- CS 381 (3)
- CS 411 (3)
- CS 421 (3)(W)
- CS 431 (3)(W)
- CS 441 (3)
- CS 471 (3)(W)
- CS 472 (3)(W, O)

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


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

Credits for core/general requirements: 62
Credits required for major: 84
Total credits required for degree: 135

(CMER) 5/26/2010
# Bachelor of Science in Computer Engineering

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

## 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
  
### 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

## 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
  
### 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

## 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
  
### 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 3-4
- Take Alaska Engineer-int-Training Exam 18-19

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(CMER) 5/26/2010