

2002-03 CATALOG

ELECTRICAL ENGINEERING

B.S. Degree Requirements
134 Credits

GENERAL REQUIREMENTS

COMMUNICATIONS:- (9)

Engl 111X (3)____
Engl 211X or 213X (3)____
Comm 131X/141X____(3)____

PERSPECTIVES ON THE HUMAN CONDITION:- (18-22)

Complete 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)____
Hist 100X (3)____
Art/Mus/Thr 200X or Hum 201X (3)
 or Ans 202X (3)____
Engl/FI 200X (3)____
Comm 300X or Just 300X or Nrm 303X or
 Phil 322X or PS 300X (3)____
Language Requirement:
_____() _____() _____() _____

MATHEMATICS:- (18)

Math 200X (4)____ Math 201X (4)____
Math 202X (4)____ Math 302 (3)____
1 course from:
Math 310 (3)____ Math 314 (3)____
Math 371 (3)____ Math 401 (3)____(W)
Math 421 (4)____ Math 422 (4)____

NATURAL SCIENCE:- (16)

Chem 105X (4)____ Chem 106X (4)____
Phys 211X (4)____ Phys 212X (4)____

LIBRARY INFORMATION & RESEARCH:- (1)

LS 101X (1)____

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)
_____(O/2)

UPPER DIVISION CREDITS:- (39)

Transfer Credits _____
UAF Credits (24)* _____
TOTAL TO DATE: _____

*a minimum of 24 UAF credits

PLEASE NOTE: Grades of 'C' or better are required for all E.E. courses.

*MAJOR REQUIREMENTS:

A. Complete the following:- (41)

E.E. 102 (3)____ E.E. 333 (4)____(W)
E.E. 203 (4)____ E.E. 334 (4)____
E.E. 204 (4)____ E.E. 343 (4)____
E.E. 303 (4)____ E.E. 353 (3)____
E.E. 311 (3)____ E.E. 354 (3)____
E.E. 331 (1)____ E.E. 471 (4)____

B. Complete at least 6 credits of Technical elective.

At least 1 course must come from the following:

E.E. 434 (4)____(W,O)
E.E. 464 (4)____(W,O)
E.E. _____()____(elective)
(Any upper division EE course EXCEPT 341 or EE 342.)

C. Complete the following:

E.S. 101 (2)____
E.S. 201 or CS 201 (3)____
E.S. 208 (4)____
E.S. 331,341,346 OR
 ES/ME 334 (3/4)____
ESM 450 (3)____(W)

D. Complete 1 concentration:

Communications:

E.E. 312 (3)____
E.E. 332 (1)____
E.E. 461 (4)____
E.S. 331,341,346 OR
 ES/ME 334 (3/4)____

Power & Control:

E.E. 404 (4)____
E.E. 406 (4)____
E.S. 331,341,346 OR
 ES/ME 334 (3/4)____+
+Course may not satisfy the .
 same requirement under "C"

Computer Engineering:- (12)

E.E. 443 (4)____
E.E. 451 (4)____
E.E. 461 (4)____

E. Complete the Fundamentals of
Engineering Exam: _____