

FOR TRANSFER TO THE **ELECTRICAL ENGINEERING CONCENTRATION**  
AT CSU BAKERSFIELD

BAKERSFIELD COLLEGE COURSE	SATISIFES CSU BAKERSFIELD COURSE
ENGR B17/L ENGR B47	PHYS/ENGR 207 CSUB 101 (CENG section)
ENGR B19C/C++ COMS B35 COMS B27	CMPS 221 CMPS 223 (CMPS 222 not required) CMPS 224
PHYS 4A, 4B, <b>and</b> 4C	PHYS 221, 222, <b>and</b> 223 (covers B1+B3 Goals)
MATH 6A MATH 6B MATH 6C MATH 6D MATH 6E	MATH 201 (covers B4 Goal) MATH 202 MATH 203 <b>and</b> MATH 204 MATH 205 (this is optional at CSUB) MATH 330
COMM B1 ENGL B1a BIOL B3a <b>or</b> BIOL B11 ECON B1 <b>or</b> ECON B2	A1 Goal A2 Goal B2 Goal D2 Goal
HIST B17a <b>and</b> POLB B1	US History Req't <b>and</b> D3 Goal <b>and</b> State Government Req't

For more information about the General Education Goals, please refer to the full articulation document at:  
<http://www2.bakersfieldcollege.edu/counseling/csugened2010-2011.html>

**AFTER TRANSFER, THE STUDENT WILL NEED TO COMPLETE THE FOLLOWING COURSE WORK**

Remaining Lower Division (5) Note: All units shown are **quarter** units

CMPS 295 Discrete Structures

Upper Division (50)

CENG 304 Linear Systems  
CENG 306 Complex Analysis in Engineering  
CENG 307 Analog Circuits  
CENG 320 Digital Circuits  
CMPS 321 Computer Architecture  
CENG 322 Digital Design with VHDL  
CENG 330 Signals and Systems  
CMPS 360 Operating Systems  
CENG 420 Embedded Systems  
CENG 490 Senior Project in Computer Engineering

Upper Division CENG Electives (select 2 courses from one area and 1 course from remaining areas) (20)

CENG 422 Digital Signal Processing **or** CENG 423 Digital Communications  
CENG 457 Robotics **or** CENG 432 Instrumentation, Control and Data Acquisition **or** CENG 434  
Introduction to Control Theory  
CENG 446 Image Processing **or** CENG 447 Computer Vision

Cognate Requirements have all been completed at BC (0)

Lower Division General Education (satisfy each **remaining** goal which was not satisfied at BC) (0-20)

C1, C2, C3  
D1

Upper Division General Education (15)

Theme II - PHIL 316 (Ethics)  
Theme III  
Gender, Race, or Ethnicity (GRE)

**Note: Degree information is accurate as of May 15, 2011**