

FOR TRANSFER TO **COMPUTER ENGINEERING** 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, and 4C	PHYS 221, 222, and 223 (covers B1+B3 Goals)
MATH 6A MATH 6B MATH 6C MATH 6D MATH 6E	MATH 201 (covers B4 Goal) MATH 202 MATH 203 and MATH 204 MATH 205 (this is optional at CSUB) MATH 330
COMM B1 ENGL B1a BIOL B3a or BIOL B11 ECON B1 or ECON B2	A1 Goal A2 Goal B2 Goal D2 Goal
HIST B17a and POLB B1	US History Req't and D3 Goal and 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
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Remaining Lower Division (5) Note: All units shown are **quarter** units

CMPS 295 Discrete Structures

Upper Division (40)

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

Upper Division CENG Electives (select 1 course from each of the three areas) (15)

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

Upper Division CMPS Electives (select **any** 2 courses from the following list) (10)

CMPS 335, CMPS 435, CMPS 342, CMPS 442, CMPS 356, CMPS 456, CMPS 371, CMPS 471,
 CMPS 376, CMPS 476

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