

Electrical & Computer Engineering and Biomedical Engineering
(ECE-BME) Dual Major (Classes 2010 and 2011 only)

Math and Basic Science	Semester	Notes
MATH 31		
MATH 32		
MATH 103		
MATH 107		
MATH 108		
STA 113		
CHEM 21L or 31L		All BME majors are required to take two CHEM courses. Students who receive AP credit (CHEM 19) must take a 2nd course typically CHEM 22L or CHEM 23L
CHEM 22L or 31L or 151L		
PHYSICS 61L		Matriculating students who have AP credit for PHYSICS 61L (but not 62L) take PHYSICS 62L; those who have AP for PHYSICS 61L & 62L take PHYSICS 63L; and international students who have IPCs for GCE A-level physics take PHYSICS 63L or 143.
PHYSICS 62L		
BIOLOGY 25L		AP BIOLOGY 19 is acceptable, but not BIOLOGY 147.
Life Science		Choose from approved list in BME Undergraduate Program Handbook.
Engineering Topics		
ECE 27L		
ECE 51L		
ECE 52L		
ECE 53L		
ECE 54L		Students who successfully completed BME 171 in Spring 2006 or earlier need not take ECE 54L
ECE Concentration Elective		Two approved concentration electives in <i>one</i> Area of ECE Concentration.
ECE Concentration Elective		
ECE Elective		Any ECE course at 100 level or above except 148L, which latter course may be taken as a general elective
BME 110L or EGR 75L		
BME 83L or ME 83L		If BME 83L is elected, take BME 101L or EGR 75L first.
BME 154L		
BME 100L		
BME 101L		
BME-ECE Design Elective		BME 236L, BME 261L or BME264L.
BME Elective		
BME Elective		At least one BME elective must be at the 200 level
EGR 53L		Students matriculating prior to 2004 are not required to take EGR 53L
CPS 100E or 100		
Other General Education		
Writing 20		University writing program, required first year
SSH1		SSH choices must cover 3 of 4 Areas of Knowledge (AL, CZ, FL, SS), must include at least one SS course and must include at least two courses from a single department (with at least one at the 100 or higher level).
SSH2		
SSH3		
SSH4		
SSH5		