

**Electrical Engineering Supplement to the
BME Degree Worksheet
for Students Following Catalog Year 2009-2010**

Eng credit	√	Course	Course Name	Prerequisites	Add'l Info
Basic Engineering – a petition must be submitted for these basic eng courses					Basic Engg Area
1		EECS 202	Introduction to Electrical Engineering	Gen Eng 205-3	Electrical Science
.75		EECS 203	Introduction to Electrical Engineering		Computer arch. and numerical methods;
1		BME 270, ME 241, or BME 271	Fluid Mechanics, Fluid Mechanics, or Intro. To Biomechanics	ME 241: Gen Eng 205-4	Fluids and Solids
1		Mat Sci 201 or 301	Principles of the Properties of Materials or Chemical Aspects of Eng Materials	Chem 102	Materials Sci and Engg
1		BME 220, IEMS 201, IEMS 303, or ME 359	Intro to Biostatistics; Intro to statistics; Statistics I, or Reliability Engineering	IEMS 303: IEMS 202 or equiv.; ME 359: Gen Eng 205-4	Prob., Stats, and Quality Control
Core - Take the 9 Core Courses + 1 zero credit seminar as listed					
Alternatively, EECS 202 and EECS 222 can replace BME 305 and BME 306*					
Track Courses – take all of the following:					
.1		EECS 223	Fundamentals of Solid State Engineering	EECS 202; Physics 135-3; Math 234	
1		EECS 225	Fundamentals of Electronics	EECS 221; EECS 223	
1		EECS 230	Programming for Computer Engineers	Gen Eng 205-1,2	
.9		EECS 303	Advanced Digital Logic Design	EECS 203	
1		BME 383	Cardiovascular Instrumentation	EECS 202,270, equivalent or consent of instructor	

*If EECS 202 and EECS 222 are used to replace BME 305 and 306, an additional course must be taken. This can be any other engineering course.