Computer Engineering

Prerequisite Flowchart

These requirements are effective for students admitted to the Computer Engineering major beginning Fall 2008.

FRESHMAN YEAR

FALL Term 1
Bioscience – 3/4
Choose 1 from approved list

SPRING Term 2
CSE 231 – 4
Intro to Progr I

CEM 141 – 4
Gen Cem

EGR 100 – 2
Intro Engr Desgn

SOPHOMORE YEAR

FALL Term 3
CSE 232 - 4
Intro to Progr II

CEM 161 – 1 (P: CEM 141/ concurrent) OR PHY 191 – 1 (P: PHY 183/ concurrent)

SPRING Term 4
CSE 260 - 4
Disc Str in Cmp Sc

ECE 201 - 3
Circuits & Syst I

ECE 203 - 1
Elec Crc & Sys Lab

ECE 202 - 3
Circuits & Syst II

ECE 203 - 4
Elec Engr Analy

ECE 230 - 4
Operating Sysyms

MTR 132 - 3
Calc I

MTR 133 - 4
Calc II

MTR 234 - 4
Multivar Calc

MTR 235 – 3
Diff Equations

MTR 236 – 3
Diff Equations

PHY 183 – 4
Physics I

PHY 184 – 4
Physics II

JUNIOR YEAR

FALL Term 5
CSE 410 - 4
Operating Sysyms

ECE 280 - 3
Elec Engr Analy

ECE 302 - 3
Electr Circuits

ECE 303 – 1
Electronics Lab

Core Elect #1 – 3/4
Choose 1 from approved list

Core Elect #2 – 3/4
Choose 1 from approved list

Core Elect #3 – 3/4
Choose 1 from approved list

Core Elect #4 – 3/4
Choose 1 from approved list

Core Elect #5 – 3/4
Choose 1 from approved list

Core Elect #6 – 3/4
Choose 1 from approved list

MTR 234 - 4
Multivar Calc

MTR 235 – 3
Diff Equations

MTR 236 – 3
Diff Equations

IAH 20X – 4
1st Int Arts & Hum

ISS 2XX – 4*
1st Int Soc Sci

FALL Term 6
IAH 3XX – 4
2nd Int Soc Sci

ISS 3XX – 4
2nd Int Soc Sci

SENIOR YEAR

FALL Term 7
Core Elect #7 – 3/4
Choose 1 from approved list

Core Elect #8 – 3/4
Choose 1 from approved list

Core Elect #9 – 3/4
Choose 1 from approved list

Core Elect #10 – 3/4
Choose 1 from approved list

Core Elect #11 – 3/4
Choose 1 from approved list

Core Elect #12 – 3/4
Choose 1 from approved list

ECE 480 - 4
Senior Design

ECE 390 - 1
Ethics, Prof & Cont Issues

ECE 303 – 1
Electronics Lab

ECE 331 – 4
Micropr & Dig Sys

Core Elect #13 – 3/4
Choose 1 from approved list

Core Elect #14 – 3/4
Choose 1 from approved list

Core Elect #15 – 3/4
Choose 1 from approved list

Core Elect #16 – 3/4
Choose 1 from approved list

Core Elect #17 – 3/4
Choose 1 from approved list

Core Elect #18 – 3/4
Choose 1 from approved list

SPRING Term 8

Elective – Var
X crs of Gen Elecs

LEGEND
Prerequisite
Prerequisite or Concurrent
Rounded box: Offered only in the semester listed (excluding summer)

* May be interchanged

Last Revised: 07/13/09