

# Computer Engineering Computer Hardware Track

## Possible 4 Year Course Plan

| FRESHMAN   |   |                          | SOPHOMORE   |                          |                                     | JUNIOR                                      |                                      |                                      | SENIOR                                 |                                    |                                  |
|--|---|--------------------------|---|--------------------------|-------------------------------------|---|--------------------------------------|--------------------------------------|--|------------------------------------|----------------------------------|
| FALL   | WINTER                                      | SPRING                   | FALL  | WINTER                   | SPRING                              | FALL  | WINTER                               | SPRING                               | FALL                                   | WINTER                             | SPRING                           |
| <b>Math / Science Requirements</b>                 |   |                          |   |                          |                                     |   |                                      |                                      |  |                                    |                                  |
|  | CALCULUS<br>I      II<br>MTH 251    MTH 252 |                          | LIN<br>ALG<br>MTH 261   | DIF<br>EQ I<br>MTH 256   |                                     |   |                                      | APPL<br>STAT<br>STAT 451             |  |                                    |                                  |
| CHEM<br>CH<br>221<br>CH 227                        |   |                          | PHYSICS<br>PH 211/221    PH 212/222    PH 213/223<br>PH 214    PH 215    PH 216 |                          |                                     |   |                                      |                                      |  |                                    |                                  |
|  |   |                          |   |                          |                                     | MTH/<br>SCI<br>ELEC                         | DISCR-<br>ETE<br>MATH<br>MTH 356     |                                      |  |                                    |                                  |
| <b>Engineering / Computer Science Requirements</b> |   |                          |   |                          |                                     |   |                                      |                                      |  |                                    |                                  |
| DIGI<br>CIRC<br>ECE 171                            | ENGR<br>COMP<br>ECE 102                     | INTRO<br>TO CS<br>CS 162 | ELEC<br>CIRC I<br>ECE 221<br>221L   |                          | ELEC<br>CIRC III<br>ECE 223<br>223L | ELECT<br>I<br>ECE 321<br>321L               |                                      | ECE<br>351<br>HDL                    | DIGI<br>IC<br>DES I<br>ECE 425         | DIGI<br>IC<br>DES II<br>ECE 426    |                                  |
|  |   |                          | DIGI<br>SYSTEM<br>ECE 271<br>271L   | DATA<br>STRUCT<br>CS 163 | MICRO<br>PROC<br>ECE 371            | INTER<br>FACE<br>EMBED<br>SYSTEM<br>ECE 372 | PROG<br>SYSTEM<br>CS 201             | RTOS<br>ECE 373<br>lab               | MICRO<br>SYSTEM<br>ECE 485             | COMP<br>ARCHIT<br>ECE 486          | ECE<br>Senior<br>elective<br>(1) |
|  |   |                          |   |                          |                                     |   |                                      | INTRO<br>OPER<br>SYSTEM<br>CS 333    | INDSTRY<br>DESIGN<br>PROCSS<br>ECE 411 | SR.<br>PROJ<br>DEVL P I<br>ECE 412 | S.P.D.II<br>ECE 413              |
|  |   |                          |   |                          |                                     |   |                                      |                                      | ASIC<br>ECE 481                        |                                    |                                  |
| <b>General Education Requirements</b>              |   |                          |   |                          |                                     |   |                                      |                                      |  |                                    |                                  |
|  |   |                          |   |                          |                                     |   | UNST<br>UPPER<br>DIVISION<br>CLUSTER |                                      |  |                                    |                                  |
| FRESHMAN INQUIRY                                   |   |                          | SOPHOMORE INQUIRY   |                          |                                     |   | TECH<br>RPT<br>WR 327                |                                      |  |                                    |                                  |
| UNST<br>1XX  | UNST<br>1XX                                 | UNST<br>1XX              | UNST<br>2XX   | UNST<br>2XX              | UNST<br>2XX                         |   |                                      | UNST<br>UPPER<br>DIVISION<br>CLUSTER | PRIV<br>PUBLIC<br>INVEST<br>EC 314U    |                                    |                                  |

**(1) List of track specific senior electives:** any regularly numbered ECE senior level class (410, 414-499)

Any deviation from this outline requires advisor's approval