# 2003-04 Curriculum Check Sheet

## School of Engineering

### Name ____________________________  
**Major** COMPUTER SYSTEMS ENGINEERING  
**Degree** BSE

### ASU ID ____________________________  
**ASU Admit Date** ____________________  
**AGEC-A, AGEC-B, AGEC-S** Completed: Yes  
No

### Anticipated Grad. Date ____________________________

### Pre-Major (Non-Degree) Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>ASU</th>
<th>Tr</th>
<th>tr from</th>
<th>Gr</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 113 Gen Chem I</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>CSE 110 Prin Prog Java</td>
<td>3</td>
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<tr>
<td>MAT 170 Precalculus</td>
<td>3</td>
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<tr>
<td>PHY 105 Intro Physics</td>
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### I. English Proficiency (6 hrs)

(University requirement - "C" min required)

- ENG 101 First-Year Comp (3) and  
- ENG 102 First-Year Comp (3) or, if eligible,  
  ENG 105 Adv First-Year Comp (3)  
  (see Catalog for eligibility requirements)

**Sub Total (I) ________**

### II. General Studies/School Requirements (57 hrs)

(See Catalog for approved courses)

#### A. Humanities & Social Sciences (15 hrs min)

(Required: 1 course upper division; 2 courses from the same dept; 2 depts or more represented; plus a minimum of two courses that satisfy three awareness areas: cultural (C), global (G), and historical (H). Double counting is permissible between HU or SB and the awareness areas and also within the awareness areas.)

**Humanities/Fine Arts (6 hrs min) (HU)**

- **Social/Behavioral Sciences (6 hrs min) (SB)**
  - ECN 111 or 112 Econ  
    3

Awareness Areas (C, G, H) two courses minimum; all three areas must be met  
*C/G/H:  
*C/G/H:  
*C/G/H:  

#### B. Literacy/Critical Inquiry (6 hrs)

- L: CSE 423 or CSE 438  
  3
- L: ECE 300 Intermed Engrg Dsgn  
  3

#### C. Natural Sciences/Basic Sciences (15 hrs)

- SQ: CHM 114 or 116 Chem  
  4
- SQ: PHY 121 Physics I  
  3
- SQ: PHY 122 Phys Lab I  
  1
- SQ: PHY 131 Physics II  
  3
- SQ: PHY 132 Phys Lab II  
  1
- PHY 361 Mod Physics  
  3

#### D. Mathematical Studies (21 hrs)

- *MA: MAT 254 Disc Math Struct  
  3
- *MA: MAT 270 Calc I  
  4
- *MA: MAT 271 Calc II  
  4
- *MA: MAT 272 Calc III  
  4
- MA: MAT 274 El Diff Eq  
  3
- MAT 342 Lin Algebra  
  3

**Total Upper Division ____ (min 50 required)**

### III. Engineering Core (21 hrs)

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<th>Course</th>
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<tbody>
<tr>
<td>CS: ECE 100 Intro Engrg Des</td>
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<td>ECE 201 Elec Ntwks</td>
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<tr>
<td>ECE 210 Statics</td>
<td>3</td>
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<tr>
<td>ECE 334 Electronic Circuits</td>
<td>4</td>
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<tr>
<td>*CSE: CSE 200 Concepts of CS</td>
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<td>*CSE 225 Assemb Microproc</td>
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**Sub Total (III) ________**

### IV. Major (44 hrs)

- *CSE 120 Dig Des Fund  
  3
- *CSE 210 Obj Orient Dsgn & Data Struct  
  3
- *CSE 240 Intro Prog Lang  
  3
- *CSE 310 Data Struct & Alg  
  3
- *CSE 330 Comp Org & Arch  
  3
- *CSE 340 Princ of Prog Lang  
  3
- *CSE 355 Intro Theo CS  
  3
- *CSE 360 Intro Sftware Engr  
  3
- *CSE 421 Microproc Sys Des I  
  4
- *CSE 422 Microproc Sys Des II  
  4
- *CSE 430 Operating Syst  
  3
- CS: ECE 380 Prob/Stat for Engr Prb Slvg  
  3

**Technical Electives (6 hrs)**

**Total Upper Division ____ (min 50 required)**

### Graduation Requirements

#### Regular Curriculum - 128 Hours

(plus pre-major (non-degree) credits)

<table>
<thead>
<tr>
<th>Semester Hour Summary</th>
<th>Hrs/ASU</th>
<th>Tr Hrs</th>
<th>Total</th>
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<tbody>
<tr>
<td>I. English Proficiency</td>
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<tr>
<td>II. General Studies</td>
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<tr>
<td>III. Engineering Core</td>
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<tr>
<td>IV. Major</td>
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<tr>
<td>Total Program Hours</td>
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### Semester Hour Summary

#### I. English Proficiency

#### II. General Studies

#### III. Engineering Core

#### IV. Major

#### Total Program Hours

**Submitted by**  
Student Signature  
Date

**Approved**  
Advisor  
Date

**Approved**  
Department Chair  
Date

**Approved**  
Dean  
Date

2003 mlh