2001-02 Curriculum Check Sheet
School of Engineering

Name ________________________________________________  Major  CHEMICAL ENGINEERING  Degree  BSE
ASU ID ________________________________________________  Area of Study: _______________________________________
Anticipated Grad. Date ____________________________________  AGEC-A, AGEC-B, AGEC-S:  Completed:  Yes  No

Pre-Major (Non-Degree) Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>ASU Hrs</th>
<th>Tr Hrs</th>
<th>From Hrs</th>
<th>Gr Hrs</th>
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<tbody>
<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 Requirements (56 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

Awareness Areas
C/G/H:

B. Literacy/Critical Inquiry (6 hrs)
L: CHE 352 Transport Lab
L: ECE 300 Intermediate Engr Design

C. Natural Sciences/Basic Sciences (16 hrs)
SQ: CHM 113 Gen Chem
SQ: CHM 116 Gen Chem
SQ: PHY 121 Physics I
SQ: PHY 122 Phys Lab I
CHM 331 Genl Org Chem I
CHM 335 Genl Org Chem Lab I

D. Mathematical Studies (19 hrs)
MA: MAT 270 Calc I
MA: MAT 271 Calc II
MA: MAT 272 Calc III
MA: MAT 274 El Diff Eq
ECE 384 Num Meth Engr

Sub Total (II)

III. Engineering Core (24 hrs)

| CS: ECE 100 Intro Engrg Des | ASU 4 | Tr 4 | From 4 | Gr 4 |
| ECE 394 ST:Conserv Princ    |    |      |        |      |
| ECE 394 ST:Prop That Matter |    |      |        |      |
| ECE 394 ST:Engrg Systems   |    |      |        |      |
| CHE 342 Appl Chem Thermo   |    |      |        |      |
| CS: CHE 461 Process Control|    |      |        |      |

Sub Total (III)

IV. Major (42 hrs)

CHE 311 Intro Chem Proc
CHE 331 Transport Phen I: Fluids
CHE 332 Transport Phen II: Energy
CHE 333 Transport Phen III: Mass
CHE 432 Prin CHE Design
CHE 442 Chem Reactor Des
CHE 451 CHE Lab
CHE 462 Process Design
CHM 332 Genl Org Chem II
CS: ECE 380 Prob/Stat for Engr Prb Slvg

Technical Electives (13 hrs)
CHE Elective
CHM Elective
CHM Elective
Adv. Sci or Matls

Sub Total (IV)

Total Upper Division ______(min 50 required)

Graduation Requirements
Regular Curriculum - 128 Hours
(plus pre-major (non-degree) credits)

Semester Hour Summary

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<tr>
<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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Submitted by ________________________________  Student Signature  Date

Approved ________________________________  Advisor  Date

Approved ________________________________  Department Chair  Date

Approved ________________________________  Dean  Date

3/01 mh off