

## 2004-05 Curriculum Check Sheet

Name \_

ASU ID \_\_\_

Anticipated Grad. Date \_\_\_\_\_

| Pre-Major (Non-Degree) Credits               | Hrs Cr<br>ASU | Tr   | Trans<br>from | Gr |
|--|---------------|------|---------------|----|
| CHM 113 Gen Chem I                           | 4             |      |               |    |
| MAT 170 Precalculus                          | 3             |      |               |    |
| PHY 105 Intro Physics                        | 3             |      |               |    |
| I. English Proficiency (6 hrs)               | 3             |      |               |    |
| (University requirement - "C"(2.00) min grad | le requi      | red) |               |    |
| 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)   |               |      |               |    |

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## II. General Studies & School Requirements (55 hrs) (see Catalog for approved courses)

Sub Total (I)

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 are required       C/G/H:     1       SQ: CHM 114 or 116 Gen Chem     3       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       Basic Science Elective     3       + D. Mathematical Studies (19 hrs)     4       MA: MAT 270 Calc I     4       MA: MAT 271 Calc II     4       MA: MAT 272 Calc III     4       MA: MAT 274 El Diff Eq  |   |              |         |             |   |
|--|---|--------------|---------|-------------|---|
| ECN 111 or 112 Econ   3     Awareness Areas (C/G/H) two courses minimum; all three areas are required     C/G/H:   |   |              |         |             |   |
| ECN 111 or 112 Econ   3     Awareness Areas (C/G/H) two courses minimum; all three areas are required     C/G/H:   |   |              |         |             |   |
| Awareness Areas (C/G/H) two courses minimum; all three areas are required     C/G/H:     C/G/H:     C/G/H:     B. Literacy/Critical Inquiry (6 hrs)     +++ L: CEE 486 Integrated Design     3     +++ L: CEE 486 Integrated Design     3     C. Natural Sciences/Basic Sciences (15 hrs)     SQ: CHM 114 or 116 Gen 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 I     1     Basic Science Elective     3     + D. Mathematical Studies (19 hrs)     MA: MAT 270 Calc I     4     MA: MAT 271 Calc II     4     MA: MAT 274 El Diff Eq     3     ECE 384 Num Meth Engr   | Social/Behavioral Sciences (6 hrs min) (S   | (BB)         |         | - i         |   |
| C/G/H:   | ECN 111 or 112 Econ                         | 3            |         |             |   |
| C/G/H:   |   |              |         |             |   |
| C/G/H:   |   |              |         |             |   |
| C/G/H:   | Awareness Areas (C/G/H) two courses minimum | n; all three | areas a | re required | 1 |
| C/G/H:   Image: Constraint of the second system o | С/G/Н:                                      |              |         |             |   |
| B. Literacy/Critical Inquiry (6 hrs)     +++ L: CEE 486 Integrated Design   3     +++ L: ECE 300 Intermed Engrg Des   3     C. Natural Sciences/Basic Sciences (15 hrs)     SQ: CHM 114 or 116 Gen 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 I   1     Basic Science Elective   3     +D. Mathematical Studies (19 hrs)     MA: MAT 270 Calc I   4     MA: MAT 271 Calc II   4     MA: MAT 274 El Diff Eq   3     ECE 384 Num Meth Engr   4  | С/G/Н:                                      |              |         |             |   |
| +++ L: CEE 486 Integrated Design   3     ++ L: ECE 300 Intermed Engrg Des   3     C. Natural Sciences/Basic Sciences (15 hrs)     SQ: CHM 114 or 116 Gen 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 I   1     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     MA: MAT 270 Calc I   4     MA: MAT 271 Calc II   4     MA: MAT 274 El Diff Eq   3     ECE 384 Num Meth Engr   4   | С/G/Н:                                      |              |         |             |   |
| ++ L: ECE 300 Intermed Engrg Des   3     C. Natural Sciences/Basic Sciences (15 hrs)     SQ: CHM 114 or 116 Gen 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 I   1     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4   | B. Literacy/Critical Inquiry (6 hrs)        |              |         |             |   |
| C. Natural Sciences/Basic Sciences (15 hrs)     SQ: CHM 114 or 116 Gen 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 I   1     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4  | +++ L: CEE 486 Integrated Design            | 3            |         |             |   |
| SQ: CHM 114 or 116 Gen 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 I   1     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     MA: MAT 270 Calc I   4     MA: MAT 271 Calc II   4     MA: MAT 274 El Diff Eq   3     ECE 384 Num Meth Engr   4   | ++ L: ECE 300 Intermed Engrg Des            | 3            |         |             |   |
| 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     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4   | C. Natural Sciences/Basic Sciences (15 h    | rs)          |         |             |   |
| SQ: PHY 122 Phys Lab I   1     SQ: PHY 131 Physics II   3     SQ: PHY 132 Phys Lab II   1     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4   | SQ: CHM 114 or 116 Gen Chem                 | 4            |         |             |   |
| SQ: PHY 131 Physics II   3     SQ: PHY 132 Phys Lab II   1     Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4  | SQ: PHY 121 Physics I                       | 3            |         |             |   |
| SQ:   PHY 132 Phys Lab II   1     Basic Science Elective   3     + 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     SQ:   PHY 132 Phys Lab II     Image: Mathematical Studies (19 hrs)     MA:   MAT 270 Calc II     MA:   MAT 272 Calc III     MA:   MAT 274 El Diff Eq     SQ:   PHY 132 Phys Lab II     MA:   MAT 274 El Diff Eq     SQ:   PHY 132 Phys Lab II     MA:   MAT 274 El Diff Eq     SQ:   PHY 132 Phys Lab II     MA:   MAT 274 El Diff Eq     SQ:   PHY 132 Phys Lab II     MA:   PHY 142 Phys Phys Lab II     MA:   PHY 142 Phys Phys Phys Phys Phys Phys Phys Phys  | SQ: PHY 122 Phys Lab I                      | 1            |         |             |   |
| Basic Science Elective   3     + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4   | SQ: PHY 131 Physics II                      | 3            |         |             |   |
| + D. Mathematical Studies (19 hrs)     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     ECE 384 Num Meth Engr   4  | SQ: PHY 132 Phys Lab II                     | 1            |         |             |   |
| 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   ECE 384 Num Meth Engr 4   | Basic Science Elective                      | 3            |         |             |   |
| MA: MAT 271 Calc II   4      MA: MAT 272 Calc III   4      MA: MAT 274 El Diff Eq   3      ECE 384 Num Meth Engr   4   | + D. Mathematical Studies (19 hrs)          |              |         |             |   |
| MA: MAT 272 Calc III   4     MA: MAT 274 El Diff Eq   3     ECE 384 Num Meth Engr   4  | MA: MAT 270 Calc I                          | 4            |         |             |   |
| MA: MAT 274 El Diff Eq3ECE 384 Num Meth Engr4  | MA: MAT 271 Calc II                         | 4            |         |             |   |
| ECE 384 Num Meth Engr 4  | MA: MAT 272 Calc III                        | 4            |         |             |   |
|  | MA: MAT 274 El Diff Eq                      | 3            |         |             |   |
| Sub Total (II)   | ECE 384 Num Meth Engr                       | 4            |         |             |   |
|  | Sub Total (II)                              |              |         |             |   |

## Major CIVIL ENGINEERING

Degree BSE

Fulton School of Engineering

Concentration: CONSTRUCTION ENGINEERING

AGEC-A, AGEC-B, AGEC-S; Completed: Yes No

| ++ III. Engineering Core (19 hrs)               | Hrs Cr Trans |        |      |    |
|---|--------------|--------|------|----|
|   | ASU          | Tr     | from | Gr |
| CS: ECE 100 Intro Engrg Des                     | 3            |        |      |    |
| ECE 201 Elect Ntwks                             | 4            |        |      |    |
| ECE 210 Statics                                 | 3            |        |      |    |
| ECE 212 Dynamics                                | 3            |        |      |    |
| ECE 313 Intro Def Solids                        | 3            |        |      |    |
| ECE 351 Civil Engr Matls                        | 3            |        |      |    |
| Sub Total (III)                                 |              | _      |      |    |
| +++ IV. Major (48 hrs)                          |              |        |      |    |
| CEE 296 CE Systems                              | 4            |        |      |    |
| CEE 321 Struct Analy & Des                      | 4            |        |      |    |
| CEE 341 Fluid Mech for CE                       | 4            |        |      |    |
| CEE 351 Geotech Engr                            | 4            |        |      |    |
| CEE 361 Environ Engr                            | 4            |        |      |    |
| CEE 372 Trans Engr                              | 4            |        |      |    |
| CS: ECE 380 Prob/Stat for Engr Prbl Slvg        | 3            |        |      |    |
| ++++ Construction Engrg Design Courses (6 hrs)  |              |        |      |    |
| CEE 420 Steel Structures                        | 3            |        |      |    |
| CEE 452 Foundations                             | 3            |        |      |    |
| ++++ Construction Engrg Technical Co            | ourses       | (15 hr | s)   |    |
| CEE 381 Surveying                               | 3            |        |      |    |
| CEE 421 Concrete Structures                     | 3            |        |      |    |
| CEE 481 CE Proj Mgmt                            | 3            |        |      |    |
| CEE 483 Highway Matls, Const, Quality           | 3            |        |      |    |
| L: CON 496 Const Contract Admin                 | 3            |        |      |    |
| Sub Total (IV)                                  |              |        |      |    |
| + minimum 2.00 GPA required in Mathematical Stu | idies cou    | rses   |      |    |

++ minimum 2.00 GPA required in Engineering Core + ECE 300

+++ minimum 2.00 GPA required in Major + ČEE 486 ++++ minimum 2.00 GPA required Design and Technical Courses, combined

Graduation Requirements:

Regular Curriculum - 128 hrs (plus pre-major (non-degree) credits) Total Upper Division Hrs \_\_\_\_\_ (Min. required: 50 hrs)

| Semester Hour Summary      | Hrs/ASU | Tr Hrs | Total |
|----------------------------|---------|--------|-------|
| I. English Proficiency     |         |        |       |
| II. General Studies        |         |        |       |
| III. Engineering Core      |         |        |       |
| IV. Major                  |         |        |       |
| <b>Total Program Hours</b> |         |        |       |

| Submitted by |                   |      |
|--------------|-------------------|------|
|              | Student Signature | Date |
| Approved     |                   |      |
|              | Advisor           | Date |
| Approved     |                   |      |
|              | Dean              | Date |