## ASU Requirement for all incoming Freshmen

### A. Humanities & Social Sciences

- **5/9/07**
- +MAT 275 Mod Diff. Eqs
- +MAT 267 Calc for Engrs III
- +MAT 266 Calc for Engrs II
- +MAT 267 Calc for Engrs III
- +MAT 275 Mod Diff. Eqs (MA)

### B. Mathematical Studies

- **Basic science elective**
- +PHY 132 Physics Lab II
- +PHY 131 Physics Lab I
- +PHY 121 Physics I + Lab I
- CHM 114 or 116 Chemistry (SQ)
- **Cultural**
- **Global**
- **Awareness Areas**

**HSU: CEE 400 Earth Sys Eng & Mgt**

**Satisfied by Course in Major**

### C. Natural Sciences/Basic Sciences

- **8 hrs**
- SQ: PHY 121/122 Physics I + Lab I
- SQ: PHY 131/132 Physics II + Lab II

**Satisfied by Courses in Major**

### D. Mathematical Studies

- **6 hrs** – Mark when taken
- CS: CEE 100 Intro to Civil & Env Engr
- MA: MAT 275 Mod Diff. Eqs

**Satisfied by Courses in Major**

## II. General Requirements (9 hrs) (See Catalog for approved courses)

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

- Humanities, Fine Arts, and Design (6 hrs min)(HU)
- **#HU: CEE 400 Earth Sys Eng & Mgt**

**Satisfied by Course in Major**

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

- **#L: CEE 300 Engr Business Practice**
- **#L: CEE 486 Integrated CE Design**

**Satisfied by Courses in Major**

### C. Natural Sciences/Basic Sciences (8 hrs)

- SQ: PHY 121/122 Physics I + Lab I
- SQ: PHY 131/132 Physics II + Lab II

**Satisfied by Courses in Major**

### D. Mathematical Studies (6 hrs) – Mark when taken

- CS: CEE 100 Intro to Civil & Env Engr
- MA: MAT 275 Mod Diff. Eqs

**Satisfied by Courses in Major**

## III. Required Lower Division Courses (46 hrs)

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

- CHM 114 or 116 Chemistry (SQ)
- +PHY 121 Physics I (SQ)
- +PHY 122 Physics Lab I (SQ)
- +PHY 131 Physics II (SQ)
- +PHY 132 Physics Lab II (SQ)
- Basic science elective

## IV. Required Upper Division Courses (59 hrs)

### C. Lower Division Engr (14 hrs)

- +CEE 100 Intro to Civil & Env Engr (CS)
- +CEE 211 Eng Mechanics: Stat & Dynam
- +CEE 213 Deformable Solids
- MAE 240 Thermo/Fluids I

### D. Business (3 hrs)

- **ECN 211 or 212 Economics (SB)**

**Satisfied by Course in Major**

### IV. Required Upper Division Courses (59 hrs)

**Sub Total (III) ________**

**Sub Total (IV) ________**

**Total Upper Division ________ (minimum 45 required)**

**Total Program Hours**