

Name _____

 Major CIVIL ENGINEERING

 Degree BSE

ASU ID _____

 Concentration: ENVIRONMENTAL ENGINEERING

Anticipated Grad. Date _____

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

| Pre-Major (Non-Degree) Credits | Hrs Cr | | Trans from | Gr |
|--------------------------------|--------|----|------------|----|
| | ASU | Tr | | |
| CHM 113 Gen Chem I | 4 | | | |
| MAT 170 Precalculus | 3 | | | |
| PHY 105 Intro Physics | 3 | | | |

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 (55 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 required

C/G/H: _____

C/G/H: _____

C/G/H: _____

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 II | 1 | | | |
| CHM 231 Elem Org Chem | 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 | | | |

Sub Total (II) _____

- + minimum 2.00 GPA required in this set of courses
- ++ minimum 2.00 GPA required in this set of courses
- +++ minimum 2.00 GPA required in this set of courses
- ++++ minimum 2.00 GPA required in this combined set of courses

III. Engineering Core (18 hrs)

| | Hrs Cr | | Trans from | Gr |
|--------------------------------|--------|----|------------|----|
| | ASU | Tr | | |
| ++ CS: ECE 100 Intro Engrg Des | 3 | | | |
| ++ ECE 210 Statics | 3 | | | |
| ++ ECE 212 Dynamics | 3 | | | |
| ++ ECE 313 Intro Def Solids | 3 | | | |
| ++ ECE 340 Thermo | 3 | | | |
| ++ ECE 351 Civil Engr Matls | 3 | | | |

Sub Total (III) _____

IV. Major (49 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 | | | |

++++ Environmental Design Courses (6 hrs)

| | | | | |
|------------------------|---|--|--|--|
| CEE 441 Water Res Engr | 3 | | | |
| CEE 466 San Syst Des | 3 | | | |

++++ Environmental Technical Courses (16 hrs)

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|--|---|--|--|--|
| BIO 320 Fund of Ecology or CHM 302 Environ Chem (3) or CHM 341 Elem Phys Chem (3) or BCH 361 Prin of Biochem (3) or PUP 442 Environ Planning (3) or PUP 475 Environ Impact Assess (3) | 3 | | | |
| CEE 362 Unit Ops in Environ Engrg | 3 | | | |
| CEE 440 Engr Hydrology | 3 | | | |
| CEE 467 Environ Microbiology | 4 | | | |
| Approved Tech Elective | 3 | | | |

Sub Total (IV) _____

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 | | | |
| Total Program Hours | | | |

 Submitted by _____
Student Signature
Date

 Approved _____
Advisor
Date

 Approved _____
Department Chair
Date

 Approved _____
Dean
Date

