**Important Information: Please Read BEFORE Completing Your ERE Major Contract**

The ERE major contract template on the next two pages lists the **major requirements** effective with the 2014/15 catalog year. The ERE faculty has approved these **major requirements** for all ERE majors, regardless of your individual catalog year. However, if your catalog year is prior to 2014/15, and you prefer to complete the **major requirements** for that catalog, please add a line for PHYX 315 in the major requirements section, and delete PHYX 315 from the Upper Division Science elective section.

Please **BE AWARE** that your **GE requirements** are determined by **your** individual catalog year--which is **the academic year you enrolled at HSU**--and you should plan to fulfill all **GE and non-major requirements** in effect **during *your* catalog year**. There are limited options for changing your catalog year, which should be considered only after consultation with your major advisor and the Registrar’s Office.

**Instructions for Completing the ERE Graduation Contract (HSU Baccalaureate Major Contract)**

• Open the contract in Microsoft Word.

• Depending on whether this is a new contract or a revised contract, mark the appropriate box in the top right corner of page 1 of the form.

• Fill in the remaining blank lines on the top of the first page with your information: STUDENT NAME, HSU EMAIL ADDRESS, HSU ID #, and the current DATE. Repeat with the same info at the top of the second page.

• Enter ONLY info about courses that are required by the ERE major. DO NOT include any info about G.E., minors, or other programs or courses that do not apply toward ERE major requirements (see **Important Info** section above for more on GE requirements).

• For all major courses you are replacing with courses from other institutions, change the info in the “Institution,” “Dept,” “Course Number,” “Title,” and “Semester Units” boxes to reflect the correct info. In particular, if you transferred from a community or other college, be sure that all major courses you are transferring are listed correctly for the other institution(s). ***NOTE:*** *To delete a course listed on the contract form, select the entire row containing that course, and on the table* ***Layout*** *menu click* ***Delete>Delete Rows****. If you need to add a row (for example, if you took two courses at a community college that are equivalent to one HSU course), select the row below which you want to insert the new row, and on the table* ***Layout*** *menu click* ***Insert Above.***

**For example**: To substitute the equivalent Physics course you took at College of the Redwoods (CR) for the PHYX 110 requirement of the ERE major, replace the information on this line from the contract template:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| HSU | pHYX | 211 | General Physics C | 4 |  |  |  |

with the appropriate information from the CR class:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CR | PHYs | 4B | Calculus-Based Physics | 4 |  |  |  |

You can check your DARS report if you’re unsure of the specific details (course title, etc) of any of your transfer courses.

• For your Science/NR elective credit, you may choose to take any one (1) of the approved courses listed on the graduation contract. Leave all of the Science/NR class listings on the form, and you will receive credit toward your major for whichever course you end up taking.

• For your engineering design course credit, you may choose to take any three (3) of the approved design electives listed on the graduation contract. Leave all of the engineering design elective listings on the form, and you will receive credit toward your major for whichever three (3) courses you end up taking.

• Print out the completed document (pages 2-3 only, omitting this instruction sheet), preferably on one sheet, back-to-back. If it does not print properly (e.g., if the page break is not in the correct location, if it prints on more than two pages, etc.), please fix it and print it again.

• Write your initials and signature in the proper locations (initials at bottom of first page, signature at bottom of second).

• Take the document to your advisor and ask him or her to sign and initial it.

• Do the same with the ERE Department Chair.

• Give the signed contract to the ERE department Administrative Assistant, who will make a copy for you and for the department file and route the original to the Registrar’s Office. **Your DARS will be updated to reflect the information on this contract only after you have** [**applied to graduate**](http://www2.humboldt.edu/registrarforms/node/59) **and paid the Registrar’s Office fee.**

**HUMBOLDT STATE UNIVERSITY** NEW [ ]

**HSU BACCALAUREATE MAJOR CONTRACT** REVISED [ ]

MAJOR: **Environmental Resources Engineering**

STUDENT NAME: DATE:

HSU E-MAIL: HSU ID #:

**To satisfy major requirements for the degree “Bachelor of Science in Environmental Resources Engineering,” the student whose name appears on this form must complete with passing grades, at HSU or other accredited institution(s), all of the courses listed below.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Institution | Dept. | Course  Number | Title | Sem.  Units | Grade | REG OFFICE USE ONLY  Met Deficient | |
| HSU | Math | 109 | Calculus I | 4 |  |  |  |
| HSU | Math | 110 | Calculus II | 4 |  |  |  |
| HSU | Math | 210 | Calculus III | 4 |  |  |  |
| HSU | Chem | 109 | General Chemistry I | 5 |  |  |  |
| HSU | Chem | 110 | General Chemistry II | 5 |  |  |  |
| HSU | Biol | 105 | Principles of Biology | 4 |  |  |  |
| HSU | Phyx | 211 | General Physics C | 4 |  |  |  |
| HSU | Engr | 115 | Intro to Envir Resources Engr | 3 |  |  |  |
| HSU | Engr | 210 | Solid Mechanics: Statics | 3 |  |  |  |
| HSU | Engr | 211 | Solid Mechanics: Dynamics | 3 |  |  |  |
| HSU | Engr | 215 | Introduction to Design | 3 |  |  |  |
| HSU | Engr | 225 | Computational Methods for Engr I | 3 |  |  |  |
| HSU | Engr | 313 | Systems Analysis | 4 or 3 |  |  |  |
| HSU | ENGR | 322 | Envir Data Modeling & Analysis | 4 |  |  |  |
| HSU | Engr | 325 | Computational Methods for Engr II | 3 |  |  |  |
| HSU | Engr | 326 | Computational Methods for Engr III | 3 |  |  |  |
| HSU | Engr | 330 | Mechanics & Science of Materials | 3 |  |  |  |
| HSU | Engr | 331 | Thermodynamics and Energy Syst I | 3 |  |  |  |
| HSU | Engr | 333 | Fluid Mechanics | 4 |  |  |  |
| HSU | ENGR | 351 | Water Quality & Envir Health | 4 |  |  |  |
| HSU | Engr | 410 | Environmental Impact Assessment | 3 |  |  |  |
| HSU | Engr | 416 | Transport Phenomena | 3 |  |  |  |
| HSU | Engr | 440 | Hydrology I | 3 |  |  |  |
| HSU | ENGR | 492 | Capstone Design Project | 3 |  |  |  |

Student Initials: Advisor Initials: ERE Chair Initials: Date: page 1 of 2

**ERE MAJOR CONTRACT** page 2 of 2

STUDENT NAME: HSU ID #:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Institution | Dept. | Course  Number | Title | Sem.  Units | Grade | REG OFFICE USE ONLY Met Deficient | |
| **To meet the Science/NR elective requirement of your ERE major, you must take one (1) of the following approved Science/NR courses. (Please leave all courses listed on the form—you will receive credit for whichever one you take).** | | | | | | | |
| HSU | BIOL | 330 | Principles of Ecology | 3 |  |  |  |
| HSU | CHEM | 328 | Brief Organic Chemistry | 4 |  |  |  |
| HSU | FISH | 320 | Limnology | 3 |  |  |  |
| HSU | GEOL | 306 | General Geomorphology | 3 |  |  |  |
| HSU | PHYX | 315 | Electronic Instrumentation | 3 |  |  |  |
| HSU | SOIL | 360 | Origin and Classification of Soils | 3 |  |  |  |
| HSU | SOIL | 363 | Wetland Soils | 3 |  |  |  |
|  |  |  |  |  |  |  |  |
| **To meet the engineering design elective requirements of your ERE major, you must take three (3) of the following approved courses. (Please leave all courses listed on the form—you will receive credit for whichever three you take).** | | | | | | | |
| HSU | ENGR | 418 | Applied Hydraulics | 3 |  |  |  |
| HSU | ENGR | 421 | Advanced Numerical Methods I | 3 |  |  |  |
| HSU | ENGR | 434 | Air Quality Management | 3 |  |  |  |
| HSU | ENGR | 435 | Solid Waste Management | 3 |  |  |  |
| HSU | ENGR | 441 | Hydrology II | 3 |  |  |  |
| HSU | ENGR | 443 | Groundwater Systems | 3 |  |  |  |
| HSU | ENGR | 445 | Water Resources Planning and Mgt | 3 |  |  |  |
| HSU | ENGR | 448 | River Hydraulics | 3 |  |  |  |
| HSU | ENGR | 451 | Water and Waste Water Treatment | 4 |  |  |  |
| HSU | ENGR | 452 | Design of Water Treatment & Reuse Sys | 3 |  |  |  |
| HSU | ENGR | 455 | Engineered Natural Treatment Systems | 3 |  |  |  |
| HSU | ENGR | 461 | Environmental Geotechnology | 3 |  |  |  |
| HSU | ENGR | 466 | Earthquake Engineering | 3 |  |  |  |
| HSU | ENGR | 471 | Thermodynamics and Energy Syst II | 3 |  |  |  |
| HSU | ENGR | 473 | Building Energy Analysis | 3 |  |  |  |
| HSU | ENGR | 475 | Renewable Energy Power Systems | 3 |  |  |  |
| HSU | ENGR | 477 | Solar Thermal Engineering | 3 |  |  |  |
| HSU | ENGR | 481 | Selected Topics with Engr Design | 3 |  |  |  |
| HSU | ENGR | 498 | Directed Design Project | 3 |  |  |  |

|  |  |
| --- | --- |
| The Registrar’s Office will verify the following requirements:   1. Completion of all courses listed above. 2. BS - Minimum 36 units in the major (18 upper division units). 3. Minimum 2.0 GPA in the major. 4. Exclusion of optional CR grades. 5. Completion of all college requirements for B.S. Degree (see catalog).   rev 11-6-19 mjs | **ACCEPTANCE AND CERTIFICATION SIGNATURES**  **I accept the courses listed above for my ERE major requirements:**  Student: Date:  **We certify that the courses listed above, when successfully completed with passing grades, meet all requirements for the major** **in Environmental Resources Engineering:**  Advisor: Date:  ERE Chair: Date: |