

Environmental Resources Engineering at Humboldt State University - Advice Road Map

Academic Performance Career Preparation Leadership & Community Engagement Checklist

Use this checklist as a way to plan your education so you develop into a world class environmental resources engineer.

	Academic Preparation	Career Preparation	Leadership & Community Engagement
Pre-College	<ul style="list-style-type: none"> <input type="checkbox"/> Algebra <input type="checkbox"/> Pre-Calc <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Biology 		
0- 24 Engineering Units Completed (out of 96)	<ul style="list-style-type: none"> <input type="checkbox"/> Math 115 (Pre-Calc) <input type="checkbox"/> Math 109 (Calc I) <input type="checkbox"/> Chem 109 <input type="checkbox"/> Engr 115 <input type="checkbox"/> Math 110 (Calc II) <input type="checkbox"/> Chem 110 <input type="checkbox"/> Engr 215 <input type="checkbox"/> Go to office hours in every class within the first three weeks of the semester. <input type="checkbox"/> Keep track of your grades / progress in each course. <input type="checkbox"/> Attend ERE Study Sessions. <input type="checkbox"/> Get tutoring for any course with midterm grade < B. 	<ul style="list-style-type: none"> <input type="checkbox"/> Identify 3 areas within Environmental Resources Engineering you would want a career in <input type="checkbox"/> Identify at least 1 career in your field of interest <input type="checkbox"/> Create/update your resume with help from the career center <input type="checkbox"/> Apply for financial aid and scholarships <input type="checkbox"/> Consider volunteering with a local engineering firm during summer or break <ul style="list-style-type: none"> <input type="checkbox"/> Docent at SERC 	<ul style="list-style-type: none"> <input type="checkbox"/> Join at least one student organization and actively participate <ul style="list-style-type: none"> <input type="checkbox"/> ERESA, EWB, RESU, SHPE, SWE, CCAT, etc <input type="checkbox"/> Share with someone in your community about what you are learning in school <input type="checkbox"/> Attend at least one professional development workshop such as <ul style="list-style-type: none"> <input type="checkbox"/> resume development <input type="checkbox"/> internships <input type="checkbox"/> Go to at least one networking event <ul style="list-style-type: none"> <input type="checkbox"/> ASCE Pizza with Professionals (Fall) <input type="checkbox"/> ASCE Crab Feed (Spring) <input type="checkbox"/> SWE Social (Spring) <input type="checkbox"/> Volunteer at one or more:

	<ul style="list-style-type: none"> <input type="checkbox"/> Meet with your advisor at least once a semester. <input type="checkbox"/> Sign up for Supplemental Instruction for Chemistry and Biology courses. <input type="checkbox"/> Sign up for Academic Excellence Workshops for Math courses. 		<ul style="list-style-type: none"> <input type="checkbox"/> Day of Caring <input type="checkbox"/> Zero-Waste @ North Country Fair <input type="checkbox"/> ERE Club Events <input type="checkbox"/> Consider taking practivistas for ENGR 215 over the summer
<p>24- 48 Engineering Units Completed (out of 96)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Math 210 (Calc III) <input type="checkbox"/> Bio 105 <input type="checkbox"/> Engr 210 <input type="checkbox"/> Engr 211 <input type="checkbox"/> Engr 225 <input type="checkbox"/> Engr 330 <input type="checkbox"/> Engr 351 <input type="checkbox"/> Go to office hours in every class within the first three weeks of the semester. <input type="checkbox"/> Keep track of your grades / progress in each course. <input type="checkbox"/> Attend ERE Study Sessions. <input type="checkbox"/> Meet with your advisor at least once a semester. 	<ul style="list-style-type: none"> <input type="checkbox"/> Find out what you need to do to get an Internship for next summer <input type="checkbox"/> Investigate and apply to <i>Research Experience for Undergraduates</i> (REU) <input type="checkbox"/> Re-assess how well engineering matches your interests, goals and talents <input type="checkbox"/> Apply for financial aid and scholarships 	<ul style="list-style-type: none"> <input type="checkbox"/> Participate in an ERE club project <input type="checkbox"/> Participate in a campus conversation or local conversation revolving social and political issues affecting you and your community <input type="checkbox"/> Volunteer at one or more: <ul style="list-style-type: none"> <input type="checkbox"/> Day of Caring <input type="checkbox"/> Zero-Waste @ North Country Fair <input type="checkbox"/> ERE Club Events <input type="checkbox"/> Consider becoming a RAMP (Resementor)

<p>48- 72 Engineering Units Completed (out of 96)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Engr 322 <input type="checkbox"/> Engr 325 <input type="checkbox"/> Engr 331 <input type="checkbox"/> Phyx 110 <input type="checkbox"/> Engr 313 <input type="checkbox"/> Engr 326 <input type="checkbox"/> Engr 333 <input type="checkbox"/> Science Elective <input type="checkbox"/> Go to office hours in every class within the first three weeks of the semester. <input type="checkbox"/> Keep track of your grades / progress in each course. <input type="checkbox"/> Get tutoring for any course with grade < B. <input type="checkbox"/> Attend ERE Study Sessions. <input type="checkbox"/> Meet with your advisor at least once a semester. 	<ul style="list-style-type: none"> <input type="checkbox"/> Create Linkedin profile <input type="checkbox"/> Apply for internships for next summer <input type="checkbox"/> Investigate and apply to <i>Research Experience for Undergraduates</i> (REU) <input type="checkbox"/> Apply for financial aid and scholarships <input type="checkbox"/> Consider campus leadership positions <ul style="list-style-type: none"> <input type="checkbox"/> HEIF <input type="checkbox"/> CCAT Engineering Position. <input type="checkbox"/> CCAT Co-Director <input type="checkbox"/> AS representative 	<ul style="list-style-type: none"> <input type="checkbox"/> Assume 1-3 leadership roles: <ul style="list-style-type: none"> <input type="checkbox"/> Become a student organization/team leader <input type="checkbox"/> Mentor a freshman <input type="checkbox"/> Serve as a peer-mentor in RAMP or J.Navarro <input type="checkbox"/> Serve as a SHPE or Learning Center tutor <input type="checkbox"/> Join the AS council <input type="checkbox"/> Serve as a student representative on a University Committee <input type="checkbox"/> Volunteer at one or more: <ul style="list-style-type: none"> <input type="checkbox"/> Day of Caring <input type="checkbox"/> Zero-Waste @ North Country Fair <input type="checkbox"/> ERE Club Events
<p>72- 96 Engineering Units Completed (out of 96)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Engr 416 <input type="checkbox"/> Engr 440 <input type="checkbox"/> Engr 410 <input type="checkbox"/> Engr Design Elective 1 <input type="checkbox"/> Engr Design Elective 2 <input type="checkbox"/> Engr Design Elective 3 <input type="checkbox"/> Engr 492 - Capstone 	<ul style="list-style-type: none"> <input type="checkbox"/> Update resume <input type="checkbox"/> Participate in interviewing workshop <input type="checkbox"/> Attend career fairs and submit resumes <input type="checkbox"/> Apply for jobs and/or graduate school 	<ul style="list-style-type: none"> <input type="checkbox"/> Assume 1-3 leadership roles: <ul style="list-style-type: none"> <input type="checkbox"/> Become a student organization/team leader <input type="checkbox"/> Mentor a freshman <input type="checkbox"/> Serve as a peer-mentor in RAMP or J.Navarro <input type="checkbox"/> Serve as a SHPE or Learning Center tutor

	<ul style="list-style-type: none"> <input type="checkbox"/> Go to office hours in every class within the first three weeks of the semester. <input type="checkbox"/> Keep track of your grades / progress in each course. <input type="checkbox"/> Meet with your advisor at least once a semester. 		<ul style="list-style-type: none"> <input type="checkbox"/> Join the AS council <input type="checkbox"/> Serve as a student representative on a University Committee <input type="checkbox"/> Lead service learning project <input type="checkbox"/> Volunteer at one or more: <ul style="list-style-type: none"> <input type="checkbox"/> Day of Caring <input type="checkbox"/> Zero-Waste @ North Country Fair <input type="checkbox"/> ERE Club Events
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The ERE Advice Sheet is based on the CSU Los Angeles MyGoldenEagle Flight Plan, developed by Dr. Deborah Won (Faculty, Department of Electrical and Computer Engineering), Dr. Emily Allen (Dean, College of ECST), Ms. Evelyn Crosby (Director, ECST Advising Center), Mr. Rudy Ramirez (Advisor, ECST Advising Center), and Ms. Candi Marsh (Advisor, ECST Advising Center). The concept of an advisement rubric was originated by Francisco Castillo, Director of Undergraduate Advisement at San Francisco State University.