

Integrated Curriculum Committee Consent Calendar
January 24, 2023

[Climate Justice and Resilience Leadership Certificate - Change Concentration/Emphasis Requirements - 22-1845](#). Addition of the newly proposed ENST 420 to the Sustainability minor as an elective in the "Systems Change" list of courses.

[ENST - 420 - 21-1618](#). "Energy Justice". This new 4-unit C-05 course is proposed as a standalone course having been previously offered as a special topics 480 course. This course will become an elective for the Environmental Studies, B.A., the Climate Justice & Resilience Leadership certificate, and the Sustainability minor.

Course description: "Advanced seminar course drawing on the critical social sciences and humanities to understand how energy issues are central to understanding the environmental and social inequalities of our times."

[Environmental Studies, B.A. - Change Core Requirements - 21-1625](#)

- Add NAS 312: Grant Writing for Social and Environmental Justice as an option with COMM 416 to the Community Organizing Emphasis area (to read in catalog: COMM 416 OR NAS 312).
- Add PHIL 309B as an option to the Earth Sciences bucket in the ENST BA curriculum.
- Add PSCI 381S: Community Leadership in Action to the same list of options as #3 (to read: ENST 482 OR ENST 381 OR PSCI 381S).
- Add the newly proposed ENST 420 to Social Sciences bucket of options.

[Sustainability Minor - Change Concentration/Emphasis Requirements - 22-1844](#). Addition of the newly proposed ENST 420 to the Sustainability minor as an elective in the "Socio-economic Institutions, Policy and Equity" category.

Engineering Packet (Undergraduate)

[Environmental Resources Engineering, B.S. - Change Core Requirements - 22-1838](#). Drop Engr 211: Dynamics as a required course. Add Phyx 109 as a required course. Reduce Engr 351 Water Quality from 4 units to 3 unit to keep total major units at 120.

[ENGR - 115 - 22-1733 - Course Change - Introduction to Engineering](#). Course title and description edits. Additional labs that include mechanical systems engineering.

[ENGR - 225 - 22-1776 - Course Change - Computational Methods for Engineering I](#). Change to course title and course description. No significant change to course content.

[ENGR - 313 - 22-1780 - Course Change - Systems Analysis](#). Change to course description only to remove reference to environmental engineering only.

[ENGR - 322 - 22-1779 - Course Change - Risk and Data Analysis for Engineers](#). Change to course title and description to remove references to ERE and replace with engineering.

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[ENGR 325 - 22-1777 - Course Change - Computational Methods for Engineering II](#). Change of course title and description to include all engineering majors and not just ERE majors. Change course number to reflect second year course.

[ENGR - 326 - 22-1778 - Course Change - Computational Methods for Engineering III](#). Change of course title and description to remove environmental engineering so it includes all engineering majors. No content change.

[ENGR - 331 - 22-1756 - Course Change - Thermodynamics and Energy Systems I](#). Change of prerequisites to support changes to the engineering curriculum. Specifically, ENGR 211 is no longer required for any major (replaced by PHYX 109), and mechanical engineering is planning to not require CHEM 110, the course relies on this only very minorly, and can easily be included when the content is needed in the course.

[ENGR - 351 - 22-1781 - Course Change - Introduction to Water Quality](#). Unit reduction from 4 and 3 units and removal of environmental risk assessment content. This class needs to be reduced by 1 unit to keep the ERE major to 120 units. The environmental risk assessment content will be covered in another course.

[ENGR – 492W - 22-1732 - Course Change - Capstone Design Project](#). GWAR Certification for Environmental Resources Engineering and Energy Systems Engineering B.S. programs. Minor change to the description to change ERE to engineering to include all of the engineering programs.

[FIRE – 479W - 22-1832 - Course Change - Applied Fire Capstone](#). GWAR certification in support of Applied Fire Science and Management, B.S. students.

[FOR – 479W - 22-1757 - Course Change - Forestry Capstone](#). This will be our GWAR class for students majoring in forestry.

[JMC – 332W - 22-1829 - Course Change - Media Ethics](#). GWAR certification in support of Journalism, B.A. students.

[SOIL – 460W - 22-1759 - Course Change - Wildland Soil Management and Erosion Control](#). Certifying for GWAR for Rangeland Resource Science bachelor's students.