290 Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to students in the College of Engineering. Approval of college. Independent undergraduate research in engineering.

291 Selected Topics
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Experimental course development or special topics offerings.

292 Applications in Environmental Studies
Spring. 2(1-2) Interdepartmental with Agriculture and Natural Resources and Communication. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to students in the College of Engineering and not open to freshmen.

Engineering cooperative education
Fall, Spring, Summer. 1(1-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to students in the College of Engineering and not open to freshmen. Pre-professional educational employment experiences in industry and government related to student's major. Educational employment assignment approved by College of Engineering.

400 Special Problems in International Engineering
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to students in the College of Engineering. Supervised study of selected topics in engineering using laboratories, equipment, and engineering design techniques. Given at various international universities and institutes.

440 Engineering Entrepreneurship
Fall, 3(3-0) R: Open to juniors or seniors in the College of Engineering. Technical skills to enable and engage in engineering related entrepreneurship at all levels. Discovery, evaluation, and engagement of entrepreneurial opportunities starting with technology development to solve a problem, bring about desired change that is scalable, and the application of engineering principles in business related endeavors.

480 Information and Communication Technologies and Development
Fall. 3(3-0) Interdepartmental with Media and Information. R: Open to students in the College of Engineering. Approval of college. Role of information and communications technologies (ICT) in low income countries and in disadvantaged areas in middle and high income countries. Theories and case studies that link ICT and social, political, economic and environmental change.

481 Foundations of Engineering Education
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to students in the College of Engineering. Approval of department.

811 Selected Topics
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open to students in the College of Engineering.

840 Engineering Entrepreneurship
Fall, 3(3-0) R: Open to students in the College of Engineering. Technical skills to enable and engage in engineering related entrepreneurship at all levels. Discovery, evaluation, and engagement of entrepreneurial opportunities starting with technology development to solve a problem, bring about desired change that is scalable, and the application of engineering principles in business related endeavors.

891 Selected Topics
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to students in the College of Engineering. Selected topics in engineering.
Effective Interdisciplinary Research Collaborations
On Demand. 3(3-0) Interdepartmental with Communication Arts and Sciences and Nursing, Administered by Communication Arts and Sciences. RB: Students should have background or expertise in technology, nursing, health, and/or communication. Students should have applied research interests. R: Open to graduate students in the College of Communication Arts and Sciences and open to graduate students in the College of Engineering and open to graduate students in the College of Nursing.
Interdisciplinary research methods, techniques, approaches, and funding. Applied research on issues that crosscut communication, nursing, and engineering.