EXPLORATION OF CONTEMPORARY ISSUES IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM), WITH AN EMPHASIS ON PUBLIC UNDERSTANDINGS OF AND ENGAGEMENTS WITH STEM RESEARCH AND TEACHING CULTURES. THE INTIMATE CONNECTION BETWEEN THE DESIRE FOR ARTISTIC EXPRESSION AND CURRENT TECHNOLOGIES THAT CAN ASSIST THAT EXPRESSION. EXAMINATION OF CURRENT TECHNOLOGIES THAT CAN ASSIST THAT EXPRESSION. RECOMMENDED: ISLA 123.

PREREQUISITE: JUNIOR STANDING AND COMPLETION OF GE AREA B.

TERM TYPICALLY OFFERED: W

GE AREA F

ISLA 305. TOPICS IN PUBLIC ENGAGEMENTS WITH STEM. 4 UNITS

GE AREA F

TERM TYPICALLY OFFERED: W

PREREQUISITE: JUNIOR STANDING AND COMPLETION OF GE AREA B. RECOMMENDED: ISLA 123.

EXPLORATION OF CONTEMPORARY ISSUES IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM), WITH AN EMPHASIS ON PUBLIC UNDERSTANDINGS OF AND ENGAGEMENTS WITH STEM RESEARCH AND TEACHING CULTURES. THE SCHEDULE OF CLASSES WILL LIST TOPIC SELECTED. TOTAL CREDIT LIMITED TO 8 UNITS. 4 LECTURES. FULFILLS GE AREA F.
ISLA 340. Media Arts and Technologies: Storytelling. 4 units
Term Typically Offered: F, W, SP  
Prerequisite: ISLA 240 or the completion of an ART or TH course in GE Area C3.

Creation of expressive technology-based pre-production works for standard television and film presentation to interactive technological environments. Pre-production script work, storyboarding, flow chart design, collaborative story creation, audience testing, and basic animatic construction. Visiting professionals work with students directly in collaborative workshops. 3 lectures, 1 activity.

ISLA 341. Media Arts and Technologies: Cinematic Process. 4 units  
Term Typically Offered: W, SP  
Prerequisite: ISLA 340.

Cinematic production including adapting a narrative for different presentation formats, storyboarding, lighting, sound recording, cinematography and editing. Production of short works designed as foundational pieces that can be built upon individually or in teams in independent study. Visiting professionals run collaborative production workshops. 2 lectures, 2 activities.

ISLA 350. The Global Environment. 4 units  
GE Area F  
Term Typically Offered: W  
Prerequisite: Junior standing; completion of GE Area A with a grade of C- or better; and completion of GE Area B.

Interdisciplinary investigation of how human activities impact the Earth's environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/economic/historical/political perspectives. Use of remote sensing maps. Sustainable solutions. 4 lectures. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350. Fulfills GE Area F.

ISLA 355. Interdisciplinary Research Methods. 4 units  
Term Typically Offered: W, SP  
Prerequisite: ISLA 201. Recommended: STAT 130, STAT 217, STAT 218, or STAT 251.

Exploration of interdisciplinary research strategies, theory, and process, including contextualization, perspective taking, and integration. Development of knowledge and skills needed to conduct original interdisciplinary research. Preparation for senior project or senior portfolio. 4 lectures.

ISLA 393. Action-oriented Ethnography. 4 units  
Term Typically Offered: SP  
Prerequisite: Junior standing; completion of GE Area A with a grade of C- or better; completion of GE Area D3; and one of the following: ANT 201, ANT 202, ANT 250, ISLA 123, any ES course, or any WGS course.

Development of knowledge and skills needed to conduct original action-oriented ethnographic research. Grounded in the reflexive ‘turn’ in anthropology and critical race, science, technology and society, queer and feminist studies, studies will engage questions of authority, representation, critical consciousness and justice. 4 lectures. Crosslisted as ANT/ISLA 393.

ISLA 400. Independent Study Project. 1-4 units  
Term Typically Offered: TBD  
Prerequisite: Junior or senior standing and consent of instructor.

Independent study project focusing more than one discipline on a problem of study related to the liberal arts. May involve travel and/or independent research. Bibliography and study plan submitted in advance. Total credit limited to 8 units.

ISLA 440. Advanced Interdisciplinary Studies Seminar. 4 units  
Term Typically Offered: F, SP  
Prerequisite: ISLA 201. Recommended: ISLA 355.

Advanced examination of selected interdisciplinary topic. Topics will be examined from perspective of multiple disciplines. The Class Schedule will list topic selected. Total credit limited to 8 units. 4 lectures.

ISLA 450. Summer Internship in London. 12 units  
CR/NC  
Term Typically Offered: TBD  
Prerequisite: Junior standing and consent of the Director of London Study.

Extensive work experience in London. Administration, orientation, and supervision of independent work by the service provider. Intensive two-week orientation, eight-week full-time work assignment. Evaluation by instructor, internship supervisor, and employer. Credit/No Credit grading only. 4 lectures, 8 units of independent study.

ISLA 456. Advanced Project-Based Learning in Science, Technology & Society. 4 units  
Term Typically Offered: W, SP  
Prerequisite: ISLA 123; completion of GE area A with a grade of C- or better; completion of GE Area B2 or B3; Junior standing; minor in one of the following: Ethics, Public Policy, Science and Technology; Gender, Race, Culture, Science, and Technology; Media Arts, Society and Technology; or Science and Risk Communication.

Develop, maintain and lead teams in a project investigating complex multi-disciplinary issues in science, technology and society. Integrate knowledge across the minors. 2 lectures, 2 activities.

ISLA 461. Senior Project. 4 units  
Term Typically Offered: W, SP  
Prerequisite: Senior standing; and ISLA 355.

Selection and completion of an interdisciplinary research or creative project that draws upon at least two disciplines. 4 seminars.

ISLA 470. Selected Advanced Topics. 2-4 units  
Term Typically Offered: TBD  
Prerequisite: Junior standing; and completion of GE Area A with a grade of C- or better.

Focused interdisciplinary study of an issue impacting or impacted by the liberal arts, combining the insight and expertise of more than one of the liberal arts disciplines, especially as they interface with the sciences and technology and/or international studies in a study abroad setting. The Schedule of Classes will list topic selected. Total credit limited to 8 units; repeatable in same term. 2-4 lectures.