The University of Vermont

Proposed Course Changes as of February 17, 2025 (includes course action forms reaching the Provost's Office between January 30, 2025 and February 17, 2025).

These changes will remain posted until February 28, 2025

The following Course Action Forms have been submitted and are ready for entry into Banner. Per the Course Action process, proposed changes will be made available for public review. If no objections are raised, the Course Action Forms will be sent to the Registrar's Office for inclusion in the University Course Listing and the next published Catalogue, effective Fall 2025.

In the event questions are raised, the Provost's Office should be notified (Kerry Castano) and the departments and programs involved should meet to resolve the issue in accord with the Faculty Senate Course Mediation Process found on the Faculty Senate website:
http://www.uvm.edu/sites/default/files/CourseMediationProcessSenate.pdf

The information provided below is abbreviated. You may view complete forms by logging into the system here: https://www.uvm.edu/provost/course-action-forms

Key:	**SPECIAL NOTES - The following EXISTING course action forms will not be posted for review:**
Proposed New Courses	Forms to change co- or prerequisites internal to the department, the enforcement of co- or prerequisites, or the number of times a course can be repeated
Revised Existing Courses	Modest changes to titles, course descriptions, number of credits
	Forms to deactivate or terminate existing courses that have not been offered in three or more years
	Forms to reactivate existing courses
	Forms to change the subject prefix of existing courses
	Existing courses reviewed and approved by the Catamount Core Curriculum Committee for CCC designation
	Additionally, forms creating **NEW** Topics In courses approved by the Catamount Core Curriculum Committee for CCC desgnation will not be posted

Code	Short Title	Field	Old Value	New Value
BME 2605	Design 2: Regulatory & Testing	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Biomedical Engineering
		Credits		3
		Catalog Prerequisites		BME 1605.
		Description		Introduces the regulatory, technical, and ethical contexts in which biomedical solutions are developed, tested, and approved or licensed for use in the United States, including content related to the regulatory landscape in the U.S. (e.g., regulatory history, Food and Drug Administration, regulatory pathways, design controls), technical engineering requirements (engineering specifications, risk management), testing (verification, validation, animal studies, clinical trials), and ethics.

Code	Short Title	Field	Old Value	New Value
		Course - Academic Merit		The proposed course,â€¯BME 2650: Regulations & Testing, enhances our departmentâ€™s academic program by integrating two previously separate coursesâ€”one on regulatory processes and one on testing methodologiesâ€”into a cohesive and comprehensive course. This integration reflects the natural connection between these topics, providing students with a holistic understanding of how regulations and testing intersect in biomedical engineering. Additionally, the combined format allows for greater emphasis on ethics, a critical area that is not currently addressed as a standalone course. By embedding ethical considerations within the context of regulations and testing, this course better prepares students to navigate the complex technical, regulatory, and ethical challenges they will face in their professional careers.
		Effects on Other Departments		None
BME 3370	Medical Imaging	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Biomedical Engineering
		Credits		3
		Catalog Prerequisites		BME 2000, BME 3000, EE 2125, or EE 2145
		Description		Describes the physics behind signal acquisition and image generation for the major medical imaging modalities. Covers radiography (including diagnostic X-ray and computed tomography), magnetic resonance imaging (MRI), ultrasound, and nuclear medicine. Includes applications with image data and image processing.
		Course - Academic Merit		The course will cover the essential physics behind the major medical imaging modalities -- radiography (x-ray, etc.), MRI, ultrasound, nuclear medicine. The content does not exist currently.
		Effects on Other Departments		None
BME 3605	Design 3: BME Capstone I	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Biomedical Engineering
		Credits		3
		Catalog Prerequisites		BME 2605.

Code	Short Title	Field	Old Value	New Value
		Description		Focuses on the development of projects and prototypes in preparation for BME Capstone II in a project-based learning environment. Covers design topics (prior art, concept generation, early-stage prototyping, etc.), professional skills (project management, technical communication), and ethical design (sustainability, health equity).
		Course - Academic Merit		The proposed course,â€¯BME 3605- Design 3: BME Capstone 1, enhances our departmentâ€™s academic program by integrating sustainability requirements into the BME Capstone projects. Sustainability is not covered elsewhere in the program as it pertains to healthcare and biomedical design. By including sustainability into the design program, students will not only be better prepared to contribute ethically and sustainability to society, but they will be better prepared to work in an industry post-graduation that is focused on sustainability.
		Effects on Other Departments		None
BME 4605	Design 4: BME Capstone II	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Biomedical Engineering
		Credits		3
		Catalog Prerequisites		BME 3605.
		Description		Focuses on the development and testing of functional biomedical solutions that satisfy medical needs. Covers design topics (fabrication, verification, validation etc.), professional skills (project management, technical communication), and ethical design (sustainability, health equity).
		Course - Academic Merit		The proposed course,â€¯BME 4605- Design 4: BME Capstone II, enhances our departmentâ€™s academic program by integrating Oral Communication requirements into the BME Capstone project requirements. Oral Communication is not covered elsewhere in the program and is an important aspect of communicating design concepts.
		Effects on Other Departments		None
BME 5350	Microbiome Engineering	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Biomedical Engineering
		Credits		3
		Catalog Prerequisites		Previous experience with computer coding is suggested but not required.

Code	Short Title	Field	Old Value	New Value
		Description		Introduces the burgeoning field of microbiome engineering. Covers approaches to manipulate the structure and function of the human microbiome to treat diseases by surveying the primary literature. Develops computational and quantitative reasoning skills necessary to analyze the data that enable understanding of the microbiome.
		Course - Academic Merit		This course will provides an elective offering for both undergraduate and graduate students in a topic that is not covered by any other course within the department. The human microbiome is gaining appreciation as an important component of human health. Within this field, new therapeutics are being developed, and novel computational modeling approaches are being applied. This course will introduce these topics to students in the context of biomedical engineering and quantitative understanding.
		Effects on Other Departments		none
BUS 1991	Professional Experience	Catalog Prerequisites	Concurrent Internship; Instructor Permission.	Concurrent internship, Instructor permission.
		Short Title	Internship	Professional Experience
		Change Justification		Title is being updated to reflect the addition of Co-operative Education alongside Internship as GSB Professional Experience for credit.
BUS 2991	Professional Experience	Short Title	Internship	Professional Experience
		Catalog Prerequisites	Concurrent internship; Instructor permission.	Concurrent internship, Instructor permission.
		Change Justification		Title is being updated to reflect the addition of Co-operative Education alongside Internship as GSB Professional Experience for credit.
BUS 3099	Cooperative Education	Added		
		College/School		Grossman School of Business
		Department/Program		Bus Admin
		Subject Prefix		Business Administration
		Credits		12
		Description		Designed to support students in gaining maximum value from their co-operative education positions in relation to their academic experiences. There will be assignments during the co-op term, administered through Brightspace, to help students reflect on professional experience they are gaining.
		Course - Academic Merit		This course is required to provide students who participate in the newly created Grossman School of Business Education Co-operative Education experience with enrolled status at UVM during the time of their Co-op term.
		Effects on Other Departments		None
BUS 3545	Name, Image & Likeness	Added		
		College/School		Grossman School of Business
		Department/Program		Bus Admin
		Subject Prefix		Business Administration

Code	Short Title	Field	Old Value	New Value
		Credits		3
		Catalog Prerequisites		BUS 2500.
		Description		Considers all facets of Name, Image, and Likeness (â€œNILâ€) the most consequential and controversial change to collegiate athletics in the last 50 years. Topics include NIL regulation and governance, Student-Athletesâ€™ opportunities, marketplaces and exchanges, the role of colleges & universities, and agents and other professional service providers. Focuses on the role that entrepreneurship has played â€“ as new businesses try to solve problems and capitalize on a new marketplace.
		Course - Academic Merit		The course has been offered as a special topics course and introduced material not otherwise covered in the curriculum.
		Effects on Other Departments		None
BUS 3565	Corporate Retail Seminar	Added		
		College/School		Grossman School of Business
		Department/Program		Bus Admin
		Subject Prefix		Business Administration
		Credits		3
		Catalog Prerequisites		BUS 3560, Business Administration major, minor, or co-major, Instructor permission.
		Pre/Co-requisites		BUS 3560.
		Description		Offers an in-depth study of the strategies, practices and challenges at play for the worldâ€™s largest corporate retailers. Seminar style based on active discussion and participation. Focuses on decision making and planning, covers topics including the evolution of corporate retailing, location and site selection, supply chain strategies, customer relationship management and data driven decision making, merchandise management, branding and communications strategies and visual merchandising and design.
		Course - Academic Merit		The proposed course would become an elective in the GSB marketing concentration. The seminar covers materials not addressed in other courses.
		Effects on Other Departments		None
BUS 3640	Individual Taxation	Added		
		College/School		Grossman School of Business
		Department/Program		Bus Admin
		Subject Prefix		Business Administration
		Credits		3
		Catalog Prerequisites		BUS 1610, BUS 2620, Business Administration major, minor, co-major or Accounting minor.
		Pre/Co-requisites		BUS 1610; BUS 2620

Code	Short Title	Field	Old Value	New Value
		Description		Highlights federal income tax concepts and rules applicable to individuals. Examines how the federal tax system accounts for items of income and expense in computing taxable income, considering both personal and business transactions.
		Course - Academic Merit		This proposed course is essentially a renumbering for BUS 2640 where the 3xxx level better reflects the level of the taught material and the 3xxx level would enable graduate accounting students to take the course with Graduate College permission.
		Effects on Other Departments		None
BUS 3991	Professional Experience			
		Short Title	Internship	Professional Experience
		Change Justification		Title is being updated to reflect the addition of Co-operative Education alongside Internship as GSB Professional Experience for credit.
CDAE 1050	Sustainable Fashion	Added		
		College/School		College of Agriculture and Life Sciences
		Department/Program		Cmty Dev & Apld Econ
		Subject Prefix		Community Development & Applied Economics
		Credits		3
		Description		Expands understanding of the fashion production processes through an environmental and social lens. Students will apply innovation theories to critically explore transdisciplinary sustainable practices, on all levels of the fashion industry. Through local and global economies, a vast perspective will create deeper sustainable fashion innovation.
		Course - Academic Merit		This course has been offered as a special topics. The course aligns with the mission and the values of the department by identify and design solutions to complex issues facing local and global communities including climate change, social inequity, organizing, and sustainable development, in addition to reflecting on how our actions impact communities through the lens of fashion.
CHEM 2600	Physical Chem for Life Science	Description	An introduction to physical chemistry concepts in quantum chemistry, thermodynamics, and kinetics, suitable for students from most science disciplines. Background in calculus and physics is required.	Introduction to physical chemistry concepts spanning thermodynamics, solution equilibrium, enzyme kinetics, and other topics. Appropriate for students from Biochemistry and other life science disciplines. Background in calculus and physics is required.

Code	Short Title	Field	Old Value	New Value
		Change Justification	PHYS 031 also meets the Physics prereq needs for this course, so we are adding it to the list so that students with PHYS 031 can freely enroll without needing an override.	At present, CHEM 2600 serves two different cohorts: undergraduate Chemistry majors, and undergraduate Biochemistry majors. This has proven to be somewhat problematic. Going forward, it is proposed that CHEM 2600 will become the required physical chemistry course for the Biochemistry degree plan only. See companion document for further details.
		Short Title	Intro Physical Chemistry	Physical Chem for Life Science
		Catalog Prerequisites	CHEM 1450 or CHEM 1455 or CHEM 1460; MATH 1224 or MATH 1248 or MATH 1242; PHYS 1400 or PHYS 1500 or PHYS 1600.	CHEM 1450, CHEM 1455, or CHEM 1460; MATH 1224, MATH 1248, or MATH 1242; PHYS 1400, PHYS 1500, or PHYS 1600.
		Pre/Co-requisite Change Notes		Expression of prereqs is changing, but not their content.
CHEM 3610	Chemical Thermodynamics	Added		
		College/School		College of Arts and Sciences
		Department/Program		Chemistry
		Subject Prefix		Chemistry
		Credits		3
		Catalog Prerequisites		CHEM 1070, CHEM 1450, or CHEM 1455; MATH 1224, MATH 1248, or MATH 1242; PHYS 1450, PHYS 1550, or PHYS 1650.
		Co-requisites		CHEM 3602.
		Description		Calculus-based exploration of the fundamental principles of thermodynamics (gases, equilibrium, free energy, laws of thermodynamics, statistical thermodynamics, phase transitions, mixtures, chemical reactions), from both a chemistry and physics perspective. This topic is a cornerstone of many scientific and engineering disciplines. Appropriate for students in Chemistry and other STEM fields.
		Course - Academic Merit		CHEM 3610 would replace CHEM 2600 for Chemistry majors, as the first course of a two-semester sequence in physical chemistry. See companion document for further details.
		Effects on Other Departments		The only undergraduate programs to be directly affected by this change are those that are administered by the Chemistry department, i.e. CHEM and BIOC, as well as the Chemistry minor program.
CHEM 3620	Quantum Mechanics and Kinetics	Added		
		College/School		College of Arts and Sciences
		Department/Program		Chemistry
		Subject Prefix		Chemistry
		Credits		3
		Catalog Prerequisites		CHEM 3610; PHYS 1550 or PHYS 1650.
		Pre/Co-requisites		MATH 2248.

Code	Short Title	Field	Old Value	New Value
		Description		Exploration of chemical thermodynamics and basic statistical mechanics, with a significant level of mathematical rigor. Background in calculus and physics is required. Designed for Chemistry majors, but also suitable for students from other STEM disciplines.
		Course - Academic Merit		CHEM 3620 would replace CHEM 3600 for Chemistry majors, as the second course of a two-semester sequence in physical chemistry. See companion document for further details.
		Effects on Other Departments		The only undergraduate programs to be directly affected by this change are those that are administered by the Chemistry department, i.e. CHEM and BIOC, as well as the Chemistry minor program.
CMPE 5610	Information Theory	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Computer Engineering
		Credits		3
		Catalog Prerequisites		Graduate student or Instructor permission.
		Description		Introduction to probability concepts of information theory; entropy of probability models; theoretical derivations of channel capacity; coding methods and theorems, sampling theorems.
		Course - Academic Merit		The Electrical and Computer Engineering Program is
		Effects on Other Departments		The action was discussed with the Chair of CS on 10/15/24.
CNSL 6097	Crisis, Trauma & Suicide Prev	Added		
		College/School		College of Education and Social Services
		Department/Program		Cnsl, Hum Dev & Fam Sci
		Subject Prefix		Counseling
		Credits		3
		Catalog Prerequisites		Graduate student.
		Description		Covers current information, skills, and strategies for counseling interventions specific to suicide prevention, crises, disasters, and other trauma-causing events. Topics include triage, assessment and diagnosis, individual and community resiliency, emergency preparedness, multicultural considerations, interagency cooperation, and psychological first aid.
		Course - Academic Merit		The proposed course is designed to address the critical
		Effects on Other Departments		none
CRES 1843	Histories of AfAm Religions	Added		
		College/School		College of Arts and Sciences
		Department/Program		Critical Race & Ethnic Stdies
		Subject Prefix		Critical Race & Ethnic Stdies
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		Explores the history of African American religious experiences over the past four centuries, introducing some of the core beliefs, practices, individuals, institutions, communities, relationships, and experiences that have defined Black religious life in the United States. Introduces students to the varieties of African American religious experiences from the seventeenth-century Black Atlantic world to the present.
		Course - Academic Merit		Cross-listing a new REL course so it can be more easily seen by CRES minors.
		Effects on Other Departments		See correspondence with History chair attached to REL
CS 2510	Intro Artificial Intelligence	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Computer Science
		Subject Prefix		Computer Science
		Credits		3
		Catalog Prerequisites		C- or better in CS 2240.
		Description		An introduction to artificial intelligence including logic and rule-based approaches, heuristic search, A*, IDA*, minimax, alpha/beta pruning, expectiminimax, Markov models and MDPs, decision tree, ensemble learning / random forest, the neural model and simple multi-layer perceptrons. Other topics, if any may vary.
		Course - Academic Merit		* By introducing many commonly used and foundational
		Effects on Other Departments		None.
CS 5240	Advanced Algorithm Design	Catalog Prerequisites	Familiarity with data structures and elementary algorithms.	Familiarity with data structures and elementary algorithms, Graduate student.
CS 5540	Advanced Machine Learning	Catalog Prerequisites	Knowledge of statistics as from STAT 2510; knowledge of linear algebra as from MATH 2522 or MATH 2544.	Knowledge of statistics as from STAT 2510, knowledge of linear algebra as from MATH 2522 or MATH 2544, Graduate student.
		Enforce Prerequisites	No	Yes
CS 5610	Information Theory	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Computer Science
		Subject Prefix		Computer Science
		Credits		3
		Catalog Prerequisites		Graduate student or Instructor permission.
		Description		Introduction to probability concepts of information theory; entropy of probability models; theoretical derivations of channel capacity; coding methods and theorems, sampling theorems.
		Course - Academic Merit		The material of this course would be useful and
		Effects on Other Departments		none
CS 6020	Modeling Complex Systems I	Short Title	Modeling Complex Systems	Modeling Complex Systems I

Code	Short Title	Field	Old Value	New Value
		Description	Integrative breadth-first introduction to computational methods for modeling complex systems;numerical methods, cellular automata, agent-based computing, game theory, genetic algorithms, artificial neural networks, and complex networks. Semester team-based project.	Integrative breadth-first introduction to computational methods for modeling complex systems; dynamical systems, numerical methods, cellular automata, agent-based computing, game theory, genetic algorithms, artificial neural networks, and complex networks. Semester team-based project.
		Change Justification		Adding a "I" (one) in the title for the consistency with the new "CS 6021: Modeling Complex Systems II".
CS 6021	Modeling Complex Systems II	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Computer Science
		Subject Prefix		Computer Science
		Credits		3
		Catalog Prerequisites		CS 6020 or CSYS 6020.
		Description		Deep dive in state-of-the-art mathematical and computational methods for modeling complex systems; model theory, branching processes, probability generating functions, message passing, master equations, event-driven simulations, Gillespie algorithms, composition-rejection algorithms.
		Course - Academic Merit		The proposed course is a sequel to Modeling Complex
		Effects on Other Departments		None.
CS 6040	Data Mining	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Computer Science
		Subject Prefix		Computer Science
		Credits		3
		Catalog Prerequisites		Computer Science Graduate student.
		Description		Introduces the field of data mining, including general data features, techniques for data preprocessing, data warehousing, and data-mining methods for mining frequent patterns, associations, and correlations; data classification; cluster analysis; and outlier detection.
		Course - Academic Merit		The material of the course deepens and expands on
		Effects on Other Departments		none
CSCS 6110	Ethics in Computational Hum	Added		
		College/School		Cross-College
		Department/Program		Dean-Graduate Coll
		Subject Prefix		Comp Studies - Culture/Society
		Credits		3
		Description		Introduces contemporary ethical and epistemological issues surrounding data, technology, and computational tools in modern society.

Code	Short Title	Field	Old Value	New Value
		Course - Academic Merit		The proposed new course would continue to provide a rich cohort experience for the CSCS doctoral students and provide open seats to interested Complex Systems and Data Science (CSDS) PhD students and graduate students in other programs. This is a critical new core course for the CSCS PhD Program that will expose students to expertise from the Department of Philosophy (Harp) and potentially other CAS departments.
		Effects on Other Departments		None
CSCS 6200	Qualitative Methods in CSCS	Added		
		College/School		Cross-College
		Department/Program		Dean-Graduate Coll
		Subject Prefix		Comp Studies - Culture/Society
		Credits		3
		Description		Covers various qualitative research techniques, as well as their relative strengths and weaknesses, appropriate applications, mixed-methods applications, and qualitative data analysis. Through readings and exploratory assignments, students develop critical thinking regarding the production of knowledge, the role of the researcher, and power and positionality. Students will identify evidentiary needs, collect, and analyze qualitative data.
		Course - Academic Merit		The proposed new course would continue to provide a rich cohort experience for the CSCS doctoral students and provide open seats to interested graduate students in other programs. While there are two graduate-level qualitative research methods courses offered across campus, this course would be the only one highlighting humanities and social science faculty expertise in the College of Arts and Sciences.
		Effects on Other Departments		None
CSCS 7010	Computational Hu&SocSc1	Added		
		College/School		Cross-College
		Department/Program		Dean-Graduate Coll
		Subject Prefix		Comp Studies - Culture/Society
		Credits		3
		Description		First of a two-semester sequence. Case studies cover computational approaches in humanities and social sciences as presented by faculty across the disciplines. Field trips to industry, non-profit and public sector sites highlight computational approaches in their day-to-day working contexts. Individual and paired assignments introduce ethical questions and epistemological debates.

Code	Short Title	Field	Old Value	New Value
		Course - Academic Merit		The proposed new course would provide a rich cohort experience for the CSCS doctoral students. CSCS 7010 and CSCS 7020 will serve as a sequence of seminar courses orienting CSCS students as a cohort to the program in their first year and providing frameworks for addressing complex social and cultural phenomena that are at the heart of humanistic fields. These seminars will expose students to relevant research conducted by UVM faculty, include field trips to foster social connection, encourage students to practice key observation skills and orient students to possible internship sites within Vermont.
		Effects on Other Departments		None
CSCS 7020	Computational Hu&SocScII	Added		
		College/School		Cross-College
		Department/Program		Dean-Graduate Coll
		Subject Prefix		Comp Studies - Culture/Society
		Credits		3
		Description		Second of a two-semester sequence. Case studies cover computational approaches in humanities and social sciences as presented by faculty across the disciplines. Field trips to industry, non-profit and public sector sites highlight computational approaches in their day-to-day working contexts. Individual and paired assignments introduce ethical questions and epistemological debates.
		Course - Academic Merit		The proposed new course would continue to provide a rich cohort experience for the CSCS doctoral students. CSCS 7010 and CSCS 7020 will serve as a sequence of seminar courses orienting CSCS students as a cohort to the program in their first year and providing frameworks for addressing complex social and cultural phenomena that are at the heart of humanistic fields. These seminars will expose students to relevant research conducted by UVM faculty, include field trips to foster social connection, encourage students to practice key observation skills and orient students to possible internship sites within Vermont. This second course in the sequence will focus more on iterative research question development.
		Effects on Other Departments		None
CSCS 7100	CSCS Professional Seminar	Added		
		College/School		Cross-College
		Department/Program		Dean-Graduate Coll
		Subject Prefix		Comp Studies - Culture/Society
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		Seminar honing an array of skill sets for successful completion of doctoral education and early career building in academia and beyond. Students practice professional writing and oral communication; learn about the peer-review process; gain skills for networking and presenting their work for public engagement; and develop a professional portfolio.
		Course - Academic Merit		Extends cohort-building for CSCS PhD students while developing invaluable skills to help them navigate the doctoral program experience through the dissertation proposal stage, as well as looking beyond graduation to careers in academic and non-academic fields. Students are connected to resources across campus that will be useful as they progress in the program. The seminar reflects the overall student-centered approach of the CSCS program, driven by student interests and needs, with guidance and facilitation from the faculty member(s).
		Effects on Other Departments		None
CSD 3500	Service-Learning Capstone	Added		
		College/School		College of Nursing and Health Sciences
		Department/Program		Comm Sciences & Disorders
		Subject Prefix		Comm Sciences & Disorders
		Credits		3
		Catalog Prerequisites		CSD 2010.
		Description		Allows Communication Science and Disorders students to apply their academic knowledge and clinical skills in a real-world setting. Through community placements, students gain hands-on experience working with diverse populations, addressing communication challenges, and engaging in activities such as direct service, awareness campaigns, education, and policy initiatives. Helps students make a meaningful impact while enhancing their professional development.
		Course - Academic Merit		The CSD department does not currently have a service-
		Effects on Other Departments		Provides students with an opportunity for interprofessional education with public health students, meeting one of the college's strategic plan initiatives.
CSYS 6020	Modeling Complex Systems I	Short Title	Modeling Complex Systems	Modeling Complex Systems I
		Description	Integrative breadth-first introduction to computational methods for modeling complex systems; numerical methods, cellular automata, agent-based computing, game theory, genetic algorithms, artificial neural networks, and complex networks. Semester team-based project.	Integrative breadth-first introduction to computational methods for modeling complex systems; dynamical systems, numerical methods, cellular automata, agent-based computing, game theory, and complex networks. Semester team-based project.

Code	Short Title	Field	Old Value	New Value
		Change Justification		Adding a "I" (one) in the title for the consistency with the new "CSYS 6021: Modeling Complex Systems II".
CSYS 6021	Modeling Complex Systems II	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Dean-Coll Engr&Math
		Subject Prefix		Complex Systems
		Credits		3
		Catalog Prerequisites		CS 6020 or CSYS 6020.
		Description		Deep dive in state-of-the-art mathematical and computational methods for modeling complex systems; model theory, branching processes, probability generating functions, message passing, master equations, event-driven simulations, Gillespie algorithms, composition-rejection algorithms.
		Course - Academic Merit		The proposed course is a sequel to Modeling Complex
		Effects on Other Departments		None.
DNCE 1024	Topics In: LASP: Sustain	Added		
		College/School		College of Arts and Sciences
		Department/Program		School of the Arts
		Subject Prefix		Dance
		Credits		3
		Co-requisites		Enrollment in the appropriate Liberal Arts Scholars Program.
		Description		Intensive course in a broad disciplinary area (humanities, social sciences, arts, or natural sciences). Part of an integrated first-year experience in which students take 2-4 classes exploring aesthetic, humanistic, social, linguistic, environmental, or scientific issues. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years.
		Course - Academic Merit		Creating a LASP space for this specific CCC profile.
		Effects on Other Departments		None
ECON 1023	Topics In: LASP: Cit & Sustain	Added		
		College/School		College of Arts and Sciences
		Department/Program		Economics
		Subject Prefix		Economics
		Credits		3
		Co-requisites		Enrollment in the appropriate Liberal Arts Scholars Program.

Code	Short Title	Field	Old Value	New Value
		Description		Intensive course in a broad disciplinary area (humanities, social sciences, arts, or natural sciences). Part of an integrated first-year experience in which students take 2-4 classes exploring aesthetic, humanistic, social, linguistic, environmental, or scientific issues. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years.
		Course - Academic Merit		Creating a ECON LASP space for this specific CCC profile.
		Effects on Other Departments		None
EDEL 5050	Experiencing NZ Educ & Culture	Added		
		College/School		College of Education and Social Services
		Department/Program		Education
		Subject Prefix		Elementary Education
		Credits		3
		Description		Travel course that offers current educators and graduate students the opportunity to explore English and MÄori educational facilities in and around Auckland, New Zealand. Educators will explore New Zealand culture, the Ministry of Education's current educational direction, and the cultural integration of MÄori and PÄkehÄ education. Participants will visit approximately nine different primary/intermediate schools. These schools will reflect the various decile levels present in New Zealand Education.
		Course - Academic Merit		This course would enhance the Elementary Education program by providing current Vermont teachers a learning opportunity to learn about Maori culture and the integration of indigenous culture into a national curriculum. The opportunity to partner with AUT and their education department allows participants a rich understanding of the challenges to full integration of indigenous culture. As a program, we can provide leadership to local schools in modeling and developing a deeper understanding of multicultural education. Note: This is a reboot of a prior UVM course led by Dr. Penny Bishop. The course ended as a result of COVID-19 protocols and faculty changes.
		Effects on Other Departments		none
EDHI 6230	Teaching and Learning in HE	Added		
		College/School		College of Education and Social Services
		Department/Program		Education
		Subject Prefix		Higher Education
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		In-depth overview of the pedagogy of teaching in higher education. Evidence-based research findings that inform teaching will be explored. The frameworks of High Impact Educational Practices, Universal Design for Learning, as well as Backward Design will scaffold the participant's design of a course syllabus, course learning activities, and student assessments.
		Course - Academic Merit		The Higher Education and Student Affairs Administration program prepares educators to work at colleges and universities. We do not currently offer a course on college teaching and learning and anticipate adding this new course to our core degree requirements.
		Effects on Other Departments		None
EDHI 6890	Professional Practice in HESA	Short Title	Lab Experience in Education	Professional Practice in HESA
		Credits	2	3
		Description	Practica internships, offered in various University	Professional Practice in Higher Education serves as a
		Effective Date	Fall 2023	Fall 2025
		Change Justification		This is an existing course required of all HESA MEd students. This request is to increase the course from 2 credits to 3 credits with accompanying title and description updates. Syllabus has been adjusted to incorporate additional classroom components and assignments to meet the needs of a 3 credit course. These adjustments are part of a comprehensive review of HESA professional practice curriculum to better align with national standards and student learning/development needs as identified by students and campus partners. Increase from 2 to 3 credits has been accounted for in the overall HESA MEd curriculum and does not impact student time to degree completion.
EE 5440	Gr Semiconductor Materials/Dev	Catalog Prerequisites	Electrical Engineering Graduate student, Materials Science Graduate student, or Instructor permission.	Graduate student or Instructor permission.
EE 5503	Modern Signal Processing	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Electrical Engineering
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		Covers principles and methods for digital signal processing. The analysis and design of discrete-time systems as signal processing devices is provided in the context of filter design, adaptive processing, compress sensing, and topics on image processing. Topics covered: quantization, reconstruction of signals, z-transform, FIR/IIR, compress sensing, compress sensing processing, intro to images, pixel and region-based classification, and segmentation, among others.
		Course - Academic Merit		This course enhances the curricula in the Electrical and Computer Engineering program in that it provides a modern perspective to digital signal processing that includes a linear algebraic view and adaptation of the covered topics. Particularly, the course is expected to become an elective for the newly proposed certificate in "Autonomy and Robotics" since it will provide the fundamental tools for perception in robotic systems.
		Effects on Other Departments		None.
EE 5610	Information Theory			
		Cross Listed		Information Theory Information Theory
		Change Justification		EE 5610 is to be crosslisted with both CS and CMPE
EE 5915	Advanced Circuit Applications	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Electrical & Biomedical Engr
		Subject Prefix		Electrical Engineering
		Credits		3
		Catalog Prerequisites		Electrical Engineering Graduate student or Instructor permission; Knowledge of material in EE3110 Electronics I.
		Description		Analog and digital circuit applications. Topics may include analog to digital converters, operational amplifiers, optical isolators (linear and non-linear), comparators, voltage to frequency converters, analog switches, voltage references, precision dividers, analog multipliers, multiplexers, phase locked loops, power supply monitoring circuits, instrumentation amplifiers and pulse width modulators.
		Course - Academic Merit		This course has been offered for three terms as EE295.The new course number is EE5915. This course covers the application of commercial integrated circuit building blocks at a graduate level. Although specific VLSI circuit design courses are offered (i.e. EE 221, EE 222) no other course covers the advanced application of commercial integrated circuit building blocks to electronic systems.

Code	Short Title	Field	Old Value	New Value
		Effects on Other Departments		none, this course is intended for graduate EE majors.
GSWS 1405	Prev Sexual & Dating Violence	Added		
		College/School		College of Arts and Sciences
		Department/Program		Gndr, Sexuality, & Wms Stdies
		Subject Prefix		Gndr, Sexuality, & Wms Stdies
		Credits		3
		Description		In-depth examination of the dynamics, prevention of, and legal, medical, and other responses to interpersonal violence. Contemporary issues related to sexual violence, dating/intimate partner violence, and stalking will be discussed at length from both research and practical perspectives.
		Course - Academic Merit		Sexual and gender-based violence are important topics in GSWS. This course will allow our students to not only gain scholarly insight into these issues, but also learn about prevention practices. The course is a relatively new offering and has struggled with enrollment. The instructor is hopeful that cross-listing with GSWS will help raise visibility for the course with GSWS students, who have historically been some of the most engaged students on this topic. Feminist activists and scholars are the reason we have language like SV, DV, IPV, and gender-based violence and they are the reason for prevention and support programs in and outside the university. Having this course officially cross-listed will better reflect this legacy and raise the visibility of the course for our students. While some GSWS students have found their way to the course, having this as an actual GSWS course will greatly help with this. I will also note that GSWS students regularly intern with SV and DV organizations (and also go on to work for them in paid positions after graduation), so this course would be beneficial to give students more of a scholarly grounding in the field.

Code	Short Title	Field	Old Value	New Value
		Effects on Other Departments		The hope is that this will help raise enrollment numbers by raising visibility and access for GSWS students, who are some of the best situated students for a class like this. This course was also created as a two semester/part course, with the second part optional. Improving enrollment numbers in Part 1 will also create a larger pool of students who could potentially go on to the second part. This would be great for GSWS students, who often pursue work in fields related to sexual and gender-based violence and would benefit the campus as a whole given the aim of this course. See attached document re. instructor and director's approval to cross-list as related to the hope for improved enrollment numbers.
GU 1200	StudyCATS	Added		
		College/School		General Instruction
		Department/Program		Provost
		Subject Prefix		General University
		Credits		1
		Catalog Prerequisites		StudyCATS participants.
		Description		StudyCATS program course including time management, study skills, and support resources.
		Course - Academic Merit		University-wide course supporting students with low GPAs.
		Effects on Other Departments		None.
HCOL 2100	Contemporary Challenges	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3
		Description		Patrick Leahy Honors College Sophomore Seminar that meets the elective requirement for the Contemporary Challenges category of the Civic Engagement minor. Content varies by semester and Instructor.
		Course - Academic Merit		This is a course number for HCOL sophomore seminars that meet the contemporary challenges requirement for the minor in Civic Engagement. Having this number designated for these courses will allow DegreeWorks to find them in a degree audit.
		Effects on Other Departments		None
HCOL 2120	Ethical Deliberation	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		Patrick Leahy Honors College Sophomore Seminar that meets the elective requirement for the Ethical Deliberation category of the Civic Engagement minor. Content varies by semester and Instructor.
		Course - Academic Merit		This is a course number for sophomore seminars in the Patrick Leahy Honors College that meet the elective requirement for the Contemporary Challenges category in UVM's minor in Civic Engagement. Having this number will allow DegreeWorks to find these courses in a degree audit.
		Effects on Other Departments		none
HCOL 2130	Civil Discourse	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3
		Description		Patrick Leahy Honors College Sophomore Seminar that meets the elective requirement for the Civil Discourse category of the Civic Engagement minor. Content varies by semester and Instructor.
		Course - Academic Merit		This is a course number dedicated to HCOL sophomore seminars that additionally meet the elective requirement for the Civil Discourse category for the minor in Civic Engagement.
		Effects on Other Departments		none
HCOL 2140	Social Change	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3
		Description		Patrick Leahy Honors College Sophomore Seminar that meets the elective requirement for the Social Change category of the Civic Engagement minor. Content varies by semester and Instructor.
		Course - Academic Merit		This is a course number for Patrick Leahy Honors College Sophomore Seminars that meet the elective requirement for the Social Change category in UVM's minor in Civic Engagement. Having this number will allow Degree Works to register this course as meeting the requirement.
		Effects on Other Departments		none
HCOL 2150	Theory, Policy, & Governance	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		Patrick Leahy Honors College Sophomore Seminar that meets the elective requirement for the Theory, Policy, and Governance category of the Civic Engagement minor. Content varies by semester and Instructor.
		Course - Academic Merit		This is a course number for Patrick Leahy Honors College Sophomore Seminars that meets the elective requirement for the Theory, Policy, and Governance category in UVM's minor in Civic Engagement. Having this number will allow DegreeWorks to find the course in a degree audit.
		Effects on Other Departments		none
HCOL 2160	Engaged Art, Science, & Design	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3
		Description		Patrick Leahy Honors College Sophomore Seminar that meets the elective requirement for the Engaged Art, Science, and Design category of the Civic Engagement minor. Content varies by semester and Instructor.
		Course - Academic Merit		This is a number for Patrick Leahy Honors College Sophomore seminars that meet the elective requirement for the Engaged Art, Science, and Design category in UVM's minor in Civic Engagement. Having this number will allow Degree Works to register the course as meeting an elective requirement.
		Effects on Other Departments		none
HCOL 2989	Citizenship & Effective Action	Added		
		College/School		Honors College
		Department/Program		Patrick Leahy Honors College
		Subject Prefix		Patrick Leahy Honors College
		Credits		3
		Description		Required core-course for the Civic Engagement minor. Themes include ethical deliberation about political life, civil discourse in a pluralistic society, social change processes, political theory, and the role of the humanities in a democratic society.
		Course - Academic Merit		This course is at the center on the newly-approved minor in Civic Engagement at UVM.
		Effects on Other Departments		It will not have an impact on other departments. The minor in Civic Engagement is co-sponsored by the Department of Political Science
HSCI 1036	Prev Sexual & Dating Violence	Added		
		College/School		College of Nursing and Health Sciences
		Department/Program		Biomedical and Health Sciences
		Subject Prefix		Health Sciences
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		In-depth examination of the dynamics, prevention of, and legal, medical, and other responses to interpersonal violence. Contemporary issues related to sexual violence, dating/intimate partner violence, and stalking will be discussed at length from both research and practical perspectives.
		Course - Academic Merit		I have updated the syllabus per the suggestions. The course is a requirement for the new PIVOT (Preventing Interpersonal Violence via Outreach & Training) Peer Educators prevention program. However, any undergraduate within any college and major may take the course, regardless of whether or not they want to move on to become a peer educator. The course itself serves as an important form of prevention, complementing/reinforcing other prevention efforts across campus. It is a particularly important addition to the Public Health Program, as many of our students go on to pursue roles within healthcare, policy, prevention, and other positions that are likely to interface with victims in need of care and support. The pervasiveness of interpersonal violence makes this course relevant to any field and cross-listings are being sought with those with students most likely to be interested in these issues. This course also applies an intersectional lens to increasing our understanding of interpersonal violence, unpacking the ways in which systems of oppression uphold violence in our communities and thus, how they should be considered in relation to prevention efforts.
		Effects on Other Departments		A new elective (hopefully meeting some core designations) for students across campus.
HSCI 3450	App Leadership in Hlth Equity			
		Catalog Prerequisites	12 credits towards Public Health Sciences; Public Health Sciences Major or Minor; Instructor permission.	Health Equity minor or Instructor permission.
		What type of gened action		Seeking new General Education designation(s)
		DiveCheck all General Education requirements that apply to this action		Social Sciences Global Citizenship
		Gened Action		We are seeking both GC2 and SS designations
HUMN 1050	Topics In: Humanities	Added		
		College/School		College of Arts and Sciences
		Department/Program		Dean-Arts & Sciences
		Subject Prefix		Humanities
		Credits		3

Code	Short Title	Field	Old Value	New Value
		Description		Selected topics in interdisciplinary humanities or cultural studies. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years.
		Course - Academic Merit		Creating a space for intro-level AH3 courses that do not fit well other places. Most likely to be used by SWLC faculty teaching in English with content that is more appropriate for Humanities than for Literature.
		Effects on Other Departments		None
MATS 5185	Nano-analysis of Materials	Added		
		College/School		Cross-College
		Department/Program		Dean-Graduate Coll
		Subject Prefix		Materials Science
		Credits		1
		Catalog Prerequisites		Graduate student in Physics, Materials Science, or related program, or Instructor permission.
		Description		Explores the theory and practical operation of advanced techniques to analyze the structure, composition, and surfaces of micro and nano-scale materials. Students will be trained as users of a Field Emission Scanning Electron Microscope (FESEM) including x-ray elemental analysis. Credit not awarded for both PHYS 3175 and PHYS 5185.
		Course - Academic Merit		This is a hands-on course intended as a practical introduction to state of the art experimental methods in materials science. It is complementary to the existing curriculum since most of our courses are theoretical.
		Effects on Other Departments		none
NR 3050	Integrating Sci, Soc & Policy	Short Title	Ecosys Mgt:Intg Sci,Soc&Pol	Integrating Sci, Soc & Policy
		Catalog Prerequisites	NR 2030; NR 2040.	NR 2030, NR 2040.
		Description	Integration of natural and social science to formulate solutions and policies to address some of our biggest environmental challenges. Consideration of ecological, social, and economic approaches, as well as human needs and values for environmental decision-making.	Analysis of the interaction between science and politics in ecosystem management. Consideration of various types of science and their roles in shaping environmental management, politics, and policy. Interdisciplinary application of course concepts to case studies of complex ecological problems.
		What type of gened action	Seeking new General Education designation(s)	Seeking new General Education designation(s) in addition to an existing General Education designation
		DiveCheck all General Education requirements that apply to this action	Social Sciences	Social Sciences Sustainability
		Gened Action	Review for S1 Social Science Catamount Core Curriculum requirements.	Review for S1 Social Science Catamount Core Curriculum requirements. Review for SU Sustainability Catamount Core Curriculum requirements.

Code	Short Title	Field	Old Value	New Value
		Change Justification	No course changes requested, just review for S1 Catamount Core designation.	This change hones in on the way politics and science interact to better equip students to succeed in their intended scientific or science-adjacent careers. It works at scales from local to global, connecting students to a wide range of future possibilities and the complexities of applying science in a political world. It is common for scientists to express some disinterest or disdain for politics. This course design is intended to overcome this - without politics and policies, science cannot make much difference in the world.
PH 6102	Design Clin&Translational Res	Added		
		College/School		College of Medicine
		Department/Program		Internal Medicine
		Subject Prefix		Public Health
		Credits		3
		Description		Seminar emphasizing the skills for designing and executing clinical and translational research.
		Course - Academic Merit		This is an administrative action only to delete existing courses under the CTS subject prefix and recreate them under the PH subject prefix. The courses underwent course review when they were originally created. I am inserting this language at the direction of Kerry Castano, Provost's Chief of Staff
		Effects on Other Departments		This is an administrative action only to delete existing courses under the CTS subject prefix and recreate them under the PH subject prefix. The courses underwent course review when they were originally created. I am inserting this language at the direction of Kerry Castano, Provost's Chief of Staff
PH 6103	Conduct Clin&Translational Res	Added		
		College/School		College of Medicine
		Department/Program		Internal Medicine
		Subject Prefix		Public Health
		Credits		3
		Description		Seminar emphasizing the ethics and mechanics of clinical and translational research.
		Course - Academic Merit		This is an administrative action only to delete existing courses under the CTS subject prefix and recreate them under the PH subject prefix. The courses underwent course review when they were originally created. I am including this language at the direction of Kerry Castano, Provost's Chief of Staff.

Code	Short Title	Field	Old Value	New Value
		Effects on Other Departments		This is an administrative action only to delete existing courses under the CTS subject prefix and recreate them under the PH subject prefix. The courses underwent course review when they were originally created. I am including this language at the direction of Kerry Castano, Provost's Chief of Staff.
PH 6510	Strategic Mgmt in Public Hlth	Added		
		College/School		College of Medicine
		Department/Program		Internal Medicine
		Subject Prefix		Public Health
		Credits		3
		Description		Focuses on developing skills for strategic public health leadership, with an emphasis on interprofessional collaboration and systems thinking. Students will design and implement effective public health initiatives, including strategic planning, data-driven decision-making, community engagement, and social entrepreneurship. Prepares students to lead impactful and sustainable improvements in public health organizations and systems.
		Course - Academic Merit		This course will enhance studentsâ€™ ability to analyze complex issues, engage stakeholders, and develop actionable solutions. It will satisfy two public health competencies for Council on Education for Public Health (CEPH) accreditation.
		Effects on Other Departments		None.
PH 6511	Finance & Mgmt in Public Hlth	Added		
		College/School		College of Medicine
		Department/Program		Internal Medicine
		Subject Prefix		Public Health
		Credits		3
		Description		Covers essential financial management competencies for achieving strategic public health goals. Includes modules on budgeting, resource allocation, and financial techniques, alongside accounting practices specific to nonprofit, healthcare, and government sectors. Students will learn to propose and manage resources, analyze financial conditions, and develop new revenue streams to support organizational objectives.
		Course - Academic Merit		This course will provide students with a comprehensive toolkit for financial management in public health settings. It will satisfy two public health competencies for Council on Education for Public Health (CEPH) accreditation.
		Effects on Other Departments		None.
PH 6512	Pedagogy,Innovation&PblcHlthEd	Added		
		College/School		College of Medicine
		Department/Program		Internal Medicine

Code	Short Title	Field	Old Value	New Value
		Subject Prefix		Public Health
		Credits		3
		Description		Students will learn about the evolution of public health education, engage with interprofessional education, and develop effective course designs. They will formulate teaching strategies that incorporate active learning, case studies, and practice-based learning. Activities will enhance students' ability to deliver learner-centered educational experiences and prepare them to lead in the evolving field of public health pedagogy.
		Course - Academic Merit		This course will provide students with foundational skills for teaching public health. It will satisfy four public health competencies for Council on Education for Public Health (CEPH) accreditation.
		Effects on Other Departments		None.
PHYS 4110	Capstone Seminar	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Physics
		Subject Prefix		Physics
		Credits		1
		Catalog Prerequisites		PHYS 2100, PHYS 2500, PHYS 4100.
		Co-requisites		PHYS 4991, PHYS 4993, PHYS 4995, or PHYS 4996.
		Description		Capstone experience emphasizing the application of physics concepts, development of professional skills, and integration of knowledge acquired during undergraduate Physics studies. Culminating project to demonstrate personal academic and professional growth. Through customized activities, students will explore professional pathways and prepare for their post-college goals. Course complements an approved independent or group study option taken in the same semester.
		Course - Academic Merit		The proposed course will implement a senior capstone course to accompany senior research projects
		Effects on Other Departments		none
PHYS 5185	Nano-analysis of Materials	Catalog Prerequisites	Graduate student.	Graduate student in Physics, Materials Science, or related program, or Instructor permission.
		Description	Explores the theory and practical operation of advanced techniques to analyze the structure, composition, and surfaces of micro and nano-scale materials. Students will be trained as users of a Field Emission Scanning Electron Microscope (FESEM) including x-ray elemental analysis. Credit will not be given for both PHYS 3175 and PHYS 5185.	Explores the theory and practical operation of advanced techniques to analyze the structure, composition, and surfaces of micro and nano-scale materials. Students will be trained as users of a Field Emission Scanning Electron Microscope (FESEM) including x-ray elemental analysis. Credit not awarded for both PHYS 3175 and PHYS 5185.

Code	Short Title	Field	Old Value	New Value
		Course - Required or Elective Explain	The course will count as elective credit in the physics MS and PhD programs.	
		Effects on Other Departments	none	
		Change Justification		Cross list with MATS 5185. It will become a core course for the CGS in Materials Science and Engineering.
PHYS 5675	Gr Semiconductor Materials/Dev	Catalog Prerequisites	Electrical Engineering Graduate student, Materials Science Graduate student, or Instructor permission.	Graduate student or Instructor permission.
		Pre/Co-requisite Change Notes	EE5440 now listed as Mat Sci Core course (electrical and optical properties of materials). This CAF change allows Mat Sci to register without overrides. This is to keep it in line with the EE5440 cross-list	
		Description	Covers Energy band theory, effective mass, band structure and electronic properties of semiconductors. Transport of electrons and holes in bulk materials and across interfaces. MOSFETs, BJTs, pn junctions, and Schottky barriers. Experimental portion of course will have a laboratory component for electronic measurements of	Covers Energy band theory, effective mass, band structure and electronic properties of semiconductors. Transport of electrons and holes in bulk materials and across interfaces. MOSFETs, BJTs, pn junctions, and Schottky barriers. Experimental portion of course will have a laboratory component for electronic measurements of semiconductor devices. Credit not awarded for both PHYS 5675 and PHYS 3675.
		Change Justification		Fixes prerequisite to point towards physics instead of EE/MatSci. Reflects change in requirements for a graduate certificate (CGS approved as a full certificate instead of micro).
REL 1357	Histories of AfAm Religions	Added		
		College/School		College of Arts and Sciences
		Department/Program		Religion
		Subject Prefix		Religion
		Credits		3
		Description		Explores the history of African American religious experiences over the past four centuries, introducing some of the core beliefs, practices, individuals, institutions, communities, relationships, and experiences that have defined Black religious life in the United States. Introduces students to the varieties of African American religious experiences from the seventeenth-century Black Atlantic world to the present.
		Course - Academic Merit		This course covers a body of material not previously examined--African American religious history. This course is about race and religion in the United States, with a focus on African American religion, so it should fulfill the D1 requirements.
		Effects on Other Departments		This should support the CRES program. Because "Histories" is in the title, Chair of History department was consulted (see attached pdf).
REL 2352	Radical Christianities	Added		

Code	Short Title	Field	Old Value	New Value
		College/School		College of Arts and Sciences
		Department/Program		Religion
		Subject Prefix		Religion
		Credits		3
		Catalog Prerequisites		Three hours in Religion.
		Description		Examination of American Christians and Christian groups who pushed back against large denominations, the American government, or American popular culture. Exploration of conflicts, people, and groups ranging from Richard Allen and the formation of the African Methodist Episcopal denomination, to Ellen White and Seventh-Day Adventists, to Ida B. Robinson and the Mount Sinai Holy Church of America, to members of peace churches resisting conscription during the world wars.
		Course - Academic Merit		This course covers 19th and 20th century Christianities in a new way by looking at how Christian groups stood in opposition to religious, political, or social majorities.
		Effects on Other Departments		None.
SOC 1021	Topics In: LASP: Race in US	Added		
		College/School		College of Arts and Sciences
		Department/Program		Sociology
		Subject Prefix		Sociology
		Credits		3
		Co-requisites		Enrollment in the appropriate Liberal Arts Scholars Program.
		Description		Intensive course in a broad disciplinary area (humanities, social sciences, arts, or natural sciences). Part of an integrated first-year experience in which students take 2-4 classes exploring aesthetic, humanistic, social, linguistic, environmental, or scientific issues. May repeat for credit with different content. Topics vary by offering; periodic offering at intervals that may exceed four years.
		Course - Academic Merit		Creates a space for D1 LASP offerings in Sociology.
		Effects on Other Departments		None
SPCH 1615	Debating Global Issues	Description	Exploration of citizen advocacy through the vehicle of debating. Students will engage in: preparatory research, in-class debating and discussion, debate adjudication, and public debate.	Exploration of major issues and global systems in the contemporary world and practice in how to develop arguments and advocacy around these topics. By engaging in structured debates on global topics, driven by student choice, participants will analyze diverse worldviews, power structures, and cultural experiences. The learning outcomes this will yield are critical thinking, research, and communication skills as persuasive arguments are constructed, responded to, and reflection is done on discussions.

Code	Short Title	Field	Old Value	New Value
		Does this course include a General Education action?	No	Yes
		What type of gened action		Seeking new General Education designation(s)
		DiveCheck all General Education requirements that apply to this action		Global Citizenship
		Gened Action		Seeking GC1 designation
		Syllabus		SPCH 1615 Syllabus.docx
		Companion Documents		SPCH 1615 Assignments:Readings.pdf SPCH 1615 GC1 Narrative.docx SPCH 1615 GC1.docx
		Change Justification		Seeking GC1 designation
STAT 5020	Applied Statistics I	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Statistics
		Subject Prefix		Statistics
		Credits		3
		Catalog Prerequisites		Graduate student or Instructor permission.
		Description		Foundational statistics, conducting data analysis using statistical software, collaborating as part of an interdisciplinary team, and communicating and presenting research findings. Practical issues and meaningful, real-world impacts of data projects with an emphasis on data equity, data processing, visualization, basic statistical procedures and concepts, and interpretation and communication of results. Focuses on the responsible application of basic statistical methods, concentrating on concepts rather than mathematical theory. Background in calculus or linear algebra is not required.
		Course - Academic Merit		The proposed new course will enhance the Statistics program by creating an emphasis on Applied Statistics. The Statistics Programâ€™s mission includes offering biostatistics, statistics, and probability courses for the entire University community. Currently, the undergraduate curriculum offers a variety of statistics courses that are accessible to students across the University. However, at the graduate level the Statistics program currently focuses on training students to specialize in the field of Statistics, thus many of the programâ€™s courses assume knowledge of calculus and linear algebra. This creation of this course fills a gap in the Statistics program by providing sound, real-world training in advanced statistics for students across disciplines who use Statistics in their fields of study or work environment. The program will be accessible to a broad range of audiences, requiring no calculus or linear algebra background, and focus on effective and equitable data use practices.

Code	Short Title	Field	Old Value	New Value
		Effects on Other Departments		None.
STAT 6020	Applied Statistics II	Added		
		College/School		College of Engineering and Mathematical Sciences
		Department/Program		Statistics
		Subject Prefix		Statistics
		Credits		3
		Catalog Prerequisites		STAT 5020; Graduate student or Instructor permission.
		Description		Expands on foundational knowledge of statistics by teaching advanced methods and approaches, including conducting analyses using statistical software, collaborating as part of an interdisciplinary team, communicating and presenting research findings. Addresses practical issues and meaningful, real-world impacts with an emphasis on data equity and interpretation and communication of results. Focuses on the responsible application of advanced statistical methods, concentrating on concepts rather than mathematical theory. Background in calculus or linear algebra is not required.
		Course - Academic Merit		The proposed new course will enhance the Statistics program by creating an emphasis on Applied Statistics. The Statistics Programâ€™s mission includes offering biostatistics, statistics, and probability courses for the entire University community. Currently, the undergraduate curriculum offers a variety of statistics courses that are accessible to students across the University. However, at the graduate level the Statistics program currently focuses on training students to specialize in the field of Statistics, thus many of the programâ€™s courses assume knowledge of calculus and linear algebra. This creation of this course fills a gap in the Statistics program by providing sound, real-world training in advanced statistics for students across disciplines who use Statistics in their fields of study or work environment. The program will be accessible to a broad range of audiences, requiring no calculus or linear algebra background, and focus on effective and equitable data use practices.
		Effects on Other Departments		None.