

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 5

Fall 2022

---COURSES---

The courses listed below reflect the undergraduate and professional major curricular changes approved by the Catalog Subcommittee. The course information under the heading titled *Current* will show strikethroughs for deletions, and text under *Proposed* will show underlines for additions. The column to the far right indicates the date each change becomes effective. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Subject	Course Number	New Revise	Current	Proposed	Effective Date
COM	388	New	--N/A--	Strategic Sports Writing 3 Course Prerequisite: Admitted to a major or minor in the College of Communication; junior standing. Development of writing skills and communication strategies for sports promotion; requires interviews and attendance at sports events and news conference outside of class. Typically offered Spring.	8-23
COMJOUR	280	New	--N/A--	Introduction to Photojournalism 3 The history and practice of photojournalism and its impact on society; evolving technology, styles, and ethics of documentary photography and the role of visual storytelling in our understanding of news events. Typically offered Spring.	8-23
CPT S	101	New	--N/A--	Introduction to Electrical Engineering and Computer Science 1 Introduction to programs within the School of Electrical Engineering and Computer Science discussing resources, opportunities, and knowledge and skills necessary to succeed within EECS majors. Typically offered Fall and Spring.	8-23
CPT S	423	Revise	[CAPS] Software Design Project II 3 (1-6) Course Prerequisite: CPT S 421 with a C	[CAPS] <u>[M]</u> Software Design Project II 3 (1-6) Course Prerequisite: CPT S 421 with a C	5-23

			or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Laboratory/group design project for large-scale software development, requirements analysis, estimation, design, verification techniques. Typically offered Fall and Spring.	or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Laboratory/group design project for large-scale software development, requirements analysis, estimation, design, verification techniques. Typically offered Fall and Spring.	
CPT S	432	New	--N/A--	[CAPS] [M] Cybersecurity Capstone Project 3 Course Prerequisite: CPT S 327; CPT S 427; CPT S 428; CPT S 455, each with a C or better; admitted to the major in Cybersecurity; senior standing. Group design project for large-scale cybersecurity development incorporating analysis, application ability, industrial skills, and adherence to cybersecurity standards. Typically offered Spring.	1-24
DTC / DATA	209	Revise	Introduction to Data Visualization 3 An introduction to the tools and methods of data visualization in multiple contexts. (Crosslisted course offered as DTC 209, DATA 209.) Typically offered Fall.	[COMM] Visualizing Data 3 Introduction to the tools and methods of visually communicating data for diverse audiences and scenarios. (Crosslisted course offered as DTC 209, DATA 209.) Typically offered Fall and Spring	8-23
FINE ART	300	New	--N/A--	Engaged Art: Making Connections and Communities 3 Practice-driven exploration of the relationship between collective art-making and civic engagement; open to any major in the Humanities with special emphasis on visual culture. Typically offered Fall.	8-23
HORT	430	New	--N/A--	Plant Molecular and Cellular Biology 4 (3-3) Course Prerequisite: BIOLOGY 106, 107, 120 or HORT 202; junior standing. Structure, function, and	1-23

				metabolism of the plant cell and organelles including cell reproduction, energy flow, metabolic and developmental integration as well as response to the environment and how they relate to agriculture; includes basic laboratory techniques. Recommended preparation: BIOLOGY 420. Typically offered Spring.	
NEP / SOC	462	New	--N/A--	Geographic Information Systems in Health and Social Sciences 3 Utilizing Geographical Information Systems (GIS) and mapping tools to examine and visualize epidemiological and social science data; assess public health, social, and policy issues including obesity, cardiovascular disease, and drug use; explore how this work can be applied to interventions. Required preparation must include a college-level statistics course. (Crosslisted course offered as NEP 462, SOC 462.) Credit not granted for both NEP 462/562 and SOC 462/562. Typically offered Spring.	8-23
SOE	465	Revise	Aquatic Microbial Ecology 2 Course Prerequisite: BIOLOGY 372. Biological, ecological and environmental impact of microbes in aquatic systems.	Aquatic Microbial Ecology 3 Course Prerequisite: BIOLOGY 372. Biological, ecological and environmental impact of microbes in aquatic systems. <u>Credit not granted for both SOE 465 and SOE 565. Offered at 400 and 500 level. Typically offered Even Years - Spring.</u>	8-23
WRITE	111	New	--N/A--	[WRTG] Writing and Reading in History 1 Introduction to writing and reading in history and related fields (art history, music history) with focus on how historians ask questions, answer questions, and communicate answers. Suggested corequisite:	8-23

				Concurrent enrollment in a lower-division history or related course (art history, music history). Typically offered Fall and Spring.	
WRITE	112	New	--N/A--	[WRTG] Writing and Reading in the Natural Sciences 1 Introduction to writing and reading in the natural sciences with focus on how natural scientists ask questions, answer questions, and communicate answers. Suggested corequisite: Concurrent enrollment in a lower-division natural science course (Astronomy, Biology, Chemistry, Entomology, Environmental Science, Physics, etc.). Typically offered Fall and Spring.	8-23
WRITE	113	New	--N/A--	[WRTG] Writing and Reading in the Social Sciences 1 Introduction to writing and reading in the social sciences with focus on how social scientists ask questions, answer questions, and communicate answers. Suggested corequisite: Concurrent enrollment in a lower-division social science course (Anthropology, Archaeology, Criminal Justice, Economic Science, Psychology, Sociology, etc.). Typically offered Fall and Spring.	8-23