UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 4

Fall 2022

---COURSES---

Faculty Senate approved November 17, 2022

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
CPT S	424	New	--N/A--	**Cyber Law, Ethics, Rights, and Policies** 3 Course Prerequisite: CPT S 327 with a C or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Laws, ethics, rights, and governmental regulations as applied to the field of cybersecurity from technological and social perspectives. Typically offered Spring.	1-24
CPT S	425	New	--N/A--	**Cyber Forensics and Anti-Forensics** 3 Course Prerequisite: CPT S 327 with a C or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Recovery and investigation of material found in various cyber environments (e.g., device, memory, operating systems, etc.) and ways to defeat forensic processes and tools. Typically offered Fall.	8-23
CPT S	426	New	--N/A--	**Hardware, Hardware Security, and Hardware Reverse Engineering** 3 Course Prerequisite: CPT S 327 with a C	1-24

				or better; CPT S 439 with a C or better or concurrent enrollment; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Hardware hacking and reverse engineering approaches routinely used against electronic devices and embedded systems; introduction to the basic procedures necessary to perform reverse engineering of hardware components to determine their functionality, inputs, outputs, and stored data. Typically offered Spring.	
CPT S	**429**	**New**	--N/A--	**Virtualization and Offensive Cyber Operations** 3 Course Prerequisite: CPT S 327 with a C or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Virtualization and offensive cyber operations including the building of multiple software systems that operate as independent systems running on multiple native hardware items and conducting campaigns aimed at compromising computational capacities of an adversary. Typically offered Fall.	**8-23**
CPT S	**431**	**New**	--N/A--	**Security Analytics and DevSecOps** 3 Course Prerequisite: CPT S 327 with a C or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Security analytics at an enterprise deployment scale using social, data, graph avenues of evaluation, and topics of supply chain cybersecurity, risk management	**1-24**

				frameworks, and security of developer operation pipelines. Typically offered Spring.	
ENGLISH	**252**	**Revise**	**Introduction to Creative Writing and Creative Writing Pedagogy** 3 Beginning workshop with discussion and development of classroom approaches to three creative writing genres for the preprofessional secondary English teacher. Typically offered Fall and Spring.	**[ARTS] Introduction to Creative Writing and Creative Writing Pedagogy** 3 Beginning workshop with discussion and development of classroom approaches to three creative writing genres for the preprofessional secondary English teacher. Typically offered Fall and Spring.	**8-23**
SDC	**441**	**New**	--N/A--	**Building Energy Codes, Standards, and Rating Systems** 3 Course Prerequisite: Admitted to any major in the College of Engineering and Architecture; junior standing. Navigation and application of the current Washington residential energy code; employment of rating systems that exceed code requirements. Credit not granted for both SDC 441 and SDC 541. Offered at 400 and 500 level. Typically offered Summer Session.	**1-23**
SDC	**451**	**New**	--N/A--	**Energy Modeling I** 3 Course Prerequisite: Admitted to any major in the College of Engineering and Architecture; junior standing. Creation, analysis, and results interpretation of energy models for small scale housing typologies. Credit not granted for both SDC 451 and SDC 551. Offered at 400 and 500 level. Recommended preparation: Basic knowledge in 3D modeling software such as Sketchup or Revit. Typically offered Summer Session.	**1-23**
SDC	**452**	**New**	--N/A--	**Energy Modeling II** 3 Course Prerequisite: Admitted to any major in the College of Engineering and Architecture; junior standing. Creation,	**1-23**

				analysis, and results interpretation for multi-zone mid-scale housing typologies. Credit not granted for both SDC 452 and SDC 552. Offered at 400 and 500 level. Recommended preparation: Basic knowledge in 3D modeling software such as Sketchup or Revit. Typically offered Summer Session.	
SOE	486	Revise	**Applied Remote Sensing: From Drones to Satellites** 3 Course Prerequisite: SOIL SCI 368 or concurrent enrollment, or SOIL SCI 374 or concurrent enrollment. Remote sensing to measure changes in forests, plants, wildlife, wildfire, crops, and geologic features; analyzing and applying data from satellites, drones, airplanes, and lidar to measures on the ground. Typically offered Spring.	**Applied Remote Sensing: From Drones to Satellites** 3 Course Prerequisite: SOIL SCI 368 or concurrent enrollment, or SOIL SCI 374 or concurrent enrollment. Remote sensing to measure changes in forests, plants, wildlife, wildfire, crops, and geologic features; analyzing and applying data from satellites, drones, airplanes, and lidar to measures on the ground. Credit not granted for both SOE 486 and SOE 586. Offered at 400 and 500 level. Typically offered Spring.	**1-23**
SPANISH	320	Revise	**Peninsular Spanish Culture** 3 Course Prerequisite: SPANISH 306, 307, or 308. Study of the culture of Spain. Taught in Spanish. Typically offered Fall.	**[DIVR] Peninsular Spanish Culture** 3 Course Prerequisite: SPANISH 306, 307, or 308. Study of the culture of Spain. Taught in Spanish. Typically offered Fall.	**1-23**
SPANISH	452	Revise	**[M] Seminar in Spanish Studies - Genres** 3 May be repeated for credit; cumulative maximum 6 credits. Course Prerequisite: Two SPANISH 300-level courses excluding SPANISH 305. Seminar on important genres in Spanish studies. Taught in Spanish. Typically offered Fall.	**[CAPS] [M] Seminar in Spanish Studies - Genres** 3 May be repeated for credit; cumulative maximum 6 credits. Course Prerequisite: Two SPANISH 300-level courses excluding SPANISH 305. Seminar on important genres in Spanish studies. Taught in Spanish. Typically offered Fall.	**1-23**
UNIV	204	New	--N/A--	**First-Year Career Exploration and Design Thinking** 2 Development of strategies for turning college success into personal and professional success. Recommend preparation: UNIV 104.	**8-23**