

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 2**Fall 2026****---COURSES---**

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.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
ANTH	456/ 556	New	--N/A--	Applied Anthropology 3 Course Prerequisite: Junior standing. Applied anthropological approaches to real-world problems in community, nonprofit, government, and private-sector settings, emphasizing client collaboration, evidence-based recommendations, professional communication, ethics, and career preparation. Credit not granted for both ANTH 456 and ANTH 556. Offered at 400 and 500 level. Typically offered Odd Years - Fall. Syllabus: https://wsu.instructure.com/courses/1951287	8-27
BME	210	New	--N/A--	Biomedical Engineering Problem Solving 3 Course Prerequisite: BME 201 with a C or better; MATH 315 or current enrollment. Methods for analysis and problem solving in Biomedical Engineering; introduction to mathematical modeling, programming, and numerical methods for Biomedical Engineering applications. Typically offered Spring. Syllabus: https://wsu.instructure.com/courses/1952336	8-27
BME	301	New	--N/A--	Biomedical Engineering Ethics and Professional Development 2 Course Prerequisite: BME 201 or concurrent enrollment. Ethical topics in Biomedical Engineering, including responsibilities to society and scientific conduct; topics related to the professional development of Biomedical Engineers. Typically offered Fall.	1-27

				Syllabus: https://wsu.instructure.com/courses/1950518	
BME	310	New	--N/A--	Introduction to Machine Learning for Biomedical Engineering 3 Course Prerequisite: BME 210 with a C or better or CHE 211 with a C or better or alternate Python course with instructor approval. Introduction and application of the concepts of machine learning for Biomedical Engineering applications. Typically offered Fall. Syllabus: https://wsu.instructure.com/courses/1950517	8-27
BME	321	New	--N/A--	Cellular Biomedical Engineering 3 Course Prerequisite: BME 201. Integrating cellular biology and engineering science by applying quantitative engineering principles for development of cellular-based materials, diagnostic devices and sensor designs. Typically offered Fall. Syllabus: https://wsu.instructure.com/courses/1952424	8-27
BME	322	New	--N/A--	Transport Processes in Tissue and Organ Systems 4 (3-3) Course Prerequisite: BME 321. Integrating tissue and organ systems with transport processes, including cardiovascular, respiratory, and renal systems. Typically offered Spring. Syllabus: https://wsu.instructure.com/courses/1953638	8-27
BME	330	New	--N/A--	Biomedical Engineering Operations I 3 (2-3) Course Prerequisite: BME 321; E E 261; STAT 370. Introduction to and application of tools used for prototyping, testing, and analyzing chemical, mechanical, and electrical systems related to Biomedical Engineering, with topics including experimental design and implementation and communication of procedures and results. Typically offered Spring. Syllabus: https://wsu.instructure.com/courses/1952626	8-27

BME	410	New	--N/A--	[M] Biomedical Engineering Capstone Project I 3 (2-3) Course Prerequisite: BME 322; BME 330; BME 401. Part I of capstone engineering design project including problem definition, design requirements, conceptual design, detail design, and technical writing and presentation. Typically offered Fall. Syllabus: https://wsu.instructure.com/courses/1952758	8-27
BME	411	New	--N/A--	Biomedical Engineering Capstone Project II 3 (2-3) Course Prerequisite: BME 410 with a C or better. Part II of capstone engineering design project; prototype implementation, verification, validation, and delivery. Typically offered Spring. Syllabus: https://wsu.instructure.com/courses/1952956	8-27
BME	420	New	--N/A--	Dynamics in Physiological Systems 4 (3-3) Course Prerequisite: BME 322. Modeling of dynamic systems applied to physiological systems and introduction to feedback control, including neural, endocrine, and metabolic systems and homeostasis. Typically offered Fall. Syllabus: https://wsu.instructure.com/courses/1954563	8-27
BME	430	New	--N/A--	Biomedical Engineering Operations II 2 (1-6) Course Prerequisite: BME 330 with a C or better. Continuation of BME 330 with topics including Current Good Manufacturing Practices and Quality Management System Regulation for biomanufacturing and medical device manufacturing. Typically offered Fall. Syllabus: https://wsu.instructure.com/courses/1952751	8-27
PHYSICS	458/558	New	--N/A--	Quantum 3 (0-9) Course Prerequisite: PHYSICS 450 or equivalent (e.g., University of Idaho PHYS 4620 via the WSU UI cooperative program.) Experimental/ computational skills and an understanding of quantum technology that emphasize entanglement,	8-27

				decoherence, quantum spin control, quantum simulations/computations of many-body dynamics and error-correcting codes, and hands-on lab skills with optical design, radio circuits, electronic control, and data analysis. Recommended preparation: PHYSICS 455/555 as a prerequisite or co-requisite and Introductory Qiskit experience. Credit not granted for both PHYSICS 458 and PHYSICS 558. Offered at 400 and 500 level. Typically offered Spring. Syllabus: https://wsu.instructure.com/courses/1951298	
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