

WH UG NSME: NATURAL SCIENCE, MATH, ENGINEERING (WUNM)

Code	Title	Course Units
ANTH 0030	Human Origins, Evolution and Diversity	1
ANTH 1430	Explorations in Human Biology	1
ANTH 1610	Humans and the Earth System: How it Works, How We Got Here, and How to Save Our Planet	1
ASTR 0001	A Survey of the Universe	1
ASTR 0006	The Solar System, Exoplanets, and Life	1
ASTR 1211	Introduction to Astrophysics I	1
ASTR 1250	Astronomical Techniques	1
BCHE 2280	Physical Models of Biological Systems	1
BIOL 0004	Killer Viruses: What threat do they pose in contemporary society?	1
BIOL 0014	Descent with Modification: An introduction to the science of evolution	1
BIOL 1101	Introduction to Biology A	1.5
BIOL 1102	Introduction to Biology B	1.5
BIOL 1110	Introduction to Brain and Behavior	1
BIOL 1121	Introduction to Biology - The Molecular Biology of Life	1
BIOL 1123	Introductory Molecular Biology Laboratory	.5
BIOL 1124	Introductory Organismal Biology Lab	.5
BIOL 1604	Humans and the Environment	1
BIOL 2010	Cell Biology	1
BIOL 5110	Neural Systems and Behavior	1
BIOL 5310	Molecular Physiology	1
CHEM 0250	Structural Biology	0.5
CHEM 1000	Academic Based Community Service-Chemistry Outreach	1
CHEM 1011	Introduction to General Chemistry I	1
CHEM 1101	General Chemistry Laboratory I	.5
CHEM 1102	General Chemistry Laboratory II	.5
CHEM 2410	Principles of Organic Chemistry I	1
CHEM 2510	Principles of Biological Chemistry	1
CIS 1050	Computational Data Exploration	1
CIS 1070	Visual Culture through the Computer's Eye	1
CIS 1100	Introduction to Computer Programming	1
CIS 1200	Programming Languages and Techniques I	1
CIS 1210	Programming Languages and Techniques II	1
CIS 1250	Technology and Policy	1
CIS 1400	Introduction to Cognitive Science	1
CIS 1600	Mathematical Foundations of Computer Science	1
CIS 1810	The Quantum and the Computer	1
COGS 1001	Introduction to Cognitive Science	1
EAS 2420	Energy Education in Philadelphia Schools	1
EAS 2610	Emerging Technologies and the Future of the World	1
EESC 1000	Earth Systems Science	1
EESC 1002	Geology Laboratory	1
EESC 1030	Oceanography	1
EESC 1050	Earth and Life Through Time	1
EESC 1060	Natural Disturbances and Disasters	1
EESC 1500	Paleontology	1
EESC 3003	Penn in the Alps	1
ENGR 1010	Introduction to Engineering: Energy, Environment and Sustainability	1
ENGR 1050	Introduction to Scientific Computing	1
ENGR 2120	Concepts in Micro- and Nanotechnology	1
ENVS 1000	Introduction to Environmental Science	1
ENVS 1020	Humans and the Earth System: How it Works, How We Got Here, and How to Save Our Planet	1
ENVS 1615	Urban Environments: Speaking About Lead in West Philadelphia	1
ENVS 1625	Community Based Environmental Health	1
ENVS 1635	Urban Environments: Prevention of Tobacco Smoking in Adolescents	1
ENVS 1645	Urban Environments: The Urban Asthma Epidemic	1
ENVS 1650	The Role of Water in Urban Sustainability and Resiliency	1
ENVS 1665	Air Pollution: Sources & Effects in Urban Environments	1
ENVS 3103	Penn Global Seminar: Case Studies in Environmental Sustainability	1
ENVS 4200	The anthropocene: Human-dominated Earth	1
INTG 2610	Emerging Technologies and the Future of the World	1
LING 0001	Introduction to Linguistics	1
LING 0750	Language and Thought	1
LING 1005	Introduction to Cognitive Science	1
MATH 1248	Community Math Teaching Project	1
MATH 1410	Calculus, Part II	1
MATH 1510	Calculus, Part II with Probability and Matrices	1
MATH 1610	Honors Calculus	1
MATH 2020	Proving Things: Analysis	1
MATH 2030	Proving things: Algebra	1
MATH 2100	Mathematics in the Age of Information	1
MATH 2400	Calculus, Part III	1
MATH 2410	Calculus, Part IV	1
MATH 2600	Honors Calculus, Part II	1
MATH 2800	Entropy Math Evolution	1
MEAM 1010	Introduction to Mechanical Design	1
NETS 1120	Networked Life	1
NRSC 0030	Neurobiology of Brain Disorders	1
NRSC 0050	Forensic Neuroscience	1
NRSC 0060	Music and the Brain	1

NRSC 1110	Introduction to Brain and Behavior	1
NRSC 1160	ABCS of Everyday Neuroscience	1
NRSC 2249	Cognitive Neuroscience	1
NURS 0061	Biologically-Based Chemistry	.5
NURS 1120	Nutrition: Science & Applications	1
NURS 3120	Nutritional Aspects of Disease	1
NURS 3430	Global Engagement Seminar	1
NURS 3550	Case Study: Self-Care of Chronic Illness	1
NURS 3750	Nutrition Throughout The Life Cycle	1
NURS 3760	Issues in Nutrition, Exercise, and Fitness	1
NURS 3800	Nursing in the Community	2
NURS 3820	Public Health Nursing Care in Communities	1.5
NURS 7350	Pediatric Acute Care NP: Professional Role and Intermediate Clinical Practice	1
PHIL 1831	Evolution's Laboratory	1
PHIL 1840	Introduction to Cognitive Science	1
PHYS 0016	Energy, Oil, and Global Warming	1
PHYS 0080	Physics and Consciousness	1
PHYS 0137	Community Physics Initiative	1
PHYS 0140	Principles of Physics I (without laboratory)	1
PHYS 0141	Principles of Physics II (without laboratory)	1
PHYS 0150	Principles of Physics I: Mechanics and Wave Motion	1.5
PHYS 0151	Principles of Physics II: Electromagnetism and Radiation	1.5
PHYS 0170	Honors Physics I: Mechanics and Wave Motion	1.5
PHYS 0171	Honors Physics II: Electromagnetism and Radiation	1.5
PHYS 2280	Physical Models of Biological Systems	1
PSCI 2401	Emerging Technologies and the Future of the World	1
PSYC 0001	Introduction to Experimental Psychology	1
PSYC 1210	Introduction to Brain and Behavior	1
PSYC 1230	Cognitive Neuroscience	1
PSYC 1310	Language and Thought	1
PSYC 1333	Introduction to Cognitive Science	1
PSYC 1340	Perception	1
PSYC 1440	Social Psychology	1
PSYC 1450	Personality and Individual Differences	1
PSYC 1462	Abnormal Psychology	1
PSYC 1777	Introduction to Developmental Psychology	1
PSYC 2737	Judgment and Decisions	1
VIPR 1200	Vagelos Integrated Program in Energy Research (VIPER) Seminar, Part I	0.5
VIPR 1210	Vagelos Integrated Program in Energy Research (VIPER) Seminar, Part II	0.5
VLST 2090	Visual Culture through the Computer's Eye	1
VLST 2110	Perception	1