

NATURAL SCIENCES COURSES

These courses have been approved as General Education Natural Sciences courses. This course list is updated periodically. Descriptions and learning criteria for General Education Natural Sciences courses can be found in the Foundation and Knowledge Domains section (<http://bulletins.psu.edu/undergraduate/general-education/domains>).

Code	Title	Credits
AEE 204N	Science Literacy and Policy in the 21st Century	3
AERSP 55	Space Science and Technology	3
AFR 105	Environments of Africa: Geology and Climate Change	3
AGECO 121	Plant Stress: It's Not Easy Being Green	3
AGECO 121H	Plant Stress: It's Not Easy Being Green	3
AGECO 122	Atmospheric Environment: Growing in the Wind	3
AGECO 134	Sustainable Agriculture Science and Policy	3
AGECO 144	Principles and Practices of Organic Agriculture	3
ANSC 100	Introduction to Animal Industries	3
ANSC 107	Introduction to Equine Science and the Equine Industry	3
ANSC 300	Integrated Animal Biology	3
ANSC 332N	Science and policy of global greenhouse gas emissions and management	3
ANSC 397F	Special Topics - InterDomain	3
ANSC 447	Equine Exercise Physiology	3
ANTH 21	Introductory Biological Anthropology	3
ANTH 22	Humans as Primates	3
ANTH 129N	Chocolate Worlds	3
ANTH 197F	Special Topics - InterDomain	3
ANTH 215	Skin: Evolution, Biology and Culture	3
ANTH 216N	Sex and Evolution	3
ANTH 218	Genes, Evolution and Behavior	4
ANTH 240N	Livelihoods and Ecosystems: Anthropological Approaches to Human-Environment Interaction	3
ANTH 260	Building the Human Animal	3
ANTH 271	Parasites and Human Evolution	3
ANTH 375Q	Anthropology of Food Honors	3
ART 51N	Meteorology and Visual Arts: To Know is to See	3
ARTH 107N	Rocks, Minerals, and the History of Art	3
ASTRO 1	Astronomical Universe	3
ASTRO 1H	Astronomical Universe	3
ASTRO 5	The Sky and Planets	3
ASTRO 6	Stars, Galaxies, and the Universe	3
ASTRO 7N	The Artistic Universe	3
ASTRO 10	Elementary Astronomy	2
ASTRO 11	Elementary Astronomy Laboratory	1
ASTRO 19N	Being in the Universe	3
ASTRO 120	The Big Bang Universe	3
ASTRO 130	Black Holes in the Universe	3
ASTRO 140	Life in the Universe	3
ASTRO 141N	Film and Extraterrestrial Life: Science Fact or Fiction?	3
ASTRO 291	Astronomical Methods and the Solar System	3
ASTRO 292	Astronomy of the Distant Universe	3
ASTRO 320	Observational Astronomy Laboratory	3
BIOL 11	Introductory Biology I	3
BIOL 12	Introductory Biology II	1
BIOL 60N	Art in the Natural World	3
BIOL 110	Biology: Basic Concepts and Biodiversity	4
BIOL 110H	Honors Biology: Basic Concepts and Biodiversity	4
BIOL 110S	Biology: Basic Concepts and Biodiversity	4
BIOL 120N	Plants, Places, and People	3
BIOL 125N	Society and Disease Management	3
BIOL 127	Introduction to Plant Biology	3
BIOL 129	Mammalian Anatomy	4
BIOL 133	Genetics and Evolution of the Human Species	3
BIOL 141	Introductory Physiology	3
BIOL 144Z	Climate Change: Biological Impacts - Linked	3
BIOL 144	Climate Change: Biological Impacts	3
BIOL 145N	The Visual Body	3
BIOL 155	Introduction to the Biology of Aging	3
BIOL 160N	Fitness with Exercise Physiology	3
BIOL 161	Human Anatomy and Physiology I - Lecture	3
BIOL 162	Human Anatomy and Physiology I - Laboratory	1
BIOL 163	Human Anatomy and Physiology II - Lecture	3
BIOL 164	Human Anatomy and Physiology II - Laboratory	1
BIOL 169N	What it means to be human	3
BIOL 177	Biology of Sex	3
BIOL 183Q	From Beast Books to Resurrecting Dinosaurs	3
BIOL 220M	Honors Biology: Populations and Communities	4
BIOL 220W	Biology: Populations and Communities	4
BIOL 230M	Honors Biology: Molecules and Cells	4
BIOL 230W	Biology: Molecules and Cells	4
BIOL 240M	Honors Biology: Function and Development of Organisms	4
BIOL 240W	Biology: Function and Development of Organisms	4
BIOL 475N	Anatomy in Italy: Cadavers, Culture, and Science	3
BISC 1	Structure and Function of Organisms	3
BISC 2	Genetics, Ecology, and Evolution	3
BISC 3	Environmental Science	3
BISC 4	Human Body: Form and Function	3
BMB 1	Understanding the Bases of Human Disease	3
BMB 1Z	The Science of Sickness - Linked	3
CAMS 197E	Special Topics - InterDomain	3
CHEM 1	Molecular Science	3
CHEM 3	Molecular Science With Laboratory	3
CHEM 5	Kitchen Chemistry	3
CHEM 101	Introductory Chemistry	2-3
CHEM 106	Introductory and General Chemistry	5
CHEM 110	Chemical Principles I	3
CHEM 110H	Chemical Principles I - Honors	3
CHEM 111	Experimental Chemistry I	1
CHEM 112	Chemical Principles II	3
CHEM 112H	Chemical Principles II - Honors	3
CHEM 113	Experimental Chemistry II	1

MATSE 101	Energy and the Environment	3	RLST 133N	Ethics of Climate Change	3
MATSE 112	Applied Materials Chemistry for Engineers	3	SC 103N	When Data Meets Design	3
METEO 2	Our Changing Atmosphere: Personal and Societal Consequences	3	SC 125N	History of Infectious Disease and Epidemiology	3
METEO 3	Introductory Meteorology	3	SC 142N	Science in Literature	3
METEO 4	Weather and Risk	3	SC 200	Science in Our World: Certainty and Controversy	3
METEO 5	Severe and Unusual Weather	3	SC 205N	Identifying Bias and Falsehood	3
METEO 6N	History and Weather: How Weather Played an Instrumental Role in Great World Events	3	SC 297E	Special Topics - InterDomain	3
METEO 51N	Meteorology and Visual Arts: To Know is to See	3	SOILS 71	Environmental Sustainability	3
METEO 101	Understanding Weather Forecasting	3	SOILS 101	Introductory Soil Science	3
METEO 122	Atmospheric Environment: Growing in the Wind	3	STS 55	Space Science and Technology	3
METEO 133N	Ethics of Climate Change	3	STS 110N	Chemistry in World Wars I and II	3
METEO 197A	Special Topics - InterDomain	3	STS 150	Out of the Fiery Furnace	3
METEO 332N	Science and policy of global greenhouse gas emissions and management	3	STS 197F	Special Topics - InterDomain	3
METEO 397F	Special Topics - InterDomain	3	STS 201	Climate Change, Energy, and Biodiversity	3
MICRB 106	Elementary Microbiology	3	SUST 150N	The Science of Sustainable Development	3
MICRB 106H	Elementary Microbiology	3	SUST 197E	Special Topics - InterDomain	3
MICRB 107	Elementary Microbiology Laboratory	1	VBSC 211	The Immune System and Disease	3
PHIL 133N	Ethics of Climate Change	3	WFS 209	Wildlife and Fisheries Conservation	3
PHOTO 321N	Flow Visualization: The Art and Physics of Fluid Motion	3	WFS 209H	Wildlife and Fisheries Conservation	3
PHYS 1	The Science of Physics	3			
PHYS 1H	The Science of Physics	3			
PHYS 10	Physics Behind the Headlines	3			
PHYS 150	Technical Physics I	3			
PHYS 151	Technical Physics II	3			
PHYS 211	General Physics: Mechanics	4			
PHYS 211H	General Physics: Mechanics	4			
PHYS 211L	General Physics: Mechanics	4.00			
PHYS 211R	General Physics: Mechanics	4			
PHYS 212	General Physics: Electricity and Magnetism	4			
PHYS 212H	General Physics: Electricity and Magnetism	4			
PHYS 213	General Physics: Fluids and Thermal Physics	2			
PHYS 213L	General Physics: Fluids and Thermal Physics	0			
PHYS 214	General Physics: Wave Motion and Quantum Physics	2			
PHYS 214L	General Physics: Wave Motion and Quantum Physics	0			
PHYS 214R	General Physics: Wave Motion and Quantum Physics	2			
PHYS 250	Introductory Physics I	4			
PHYS 250H	Introductory Physics I	4			
PHYS 251	Introductory Physics II	4			
PLANT 129N	Chocolate Worlds	3			
PLANT 220	Gardening for Fun and Profit	3			
PPEM 120	The Fungal Jungle: A Mycological Safari From Truffles to Slime Molds	3			
PPEM 300	Horticultural Crop Diseases	3			
PSYCH 169N	What it means to be human	3			
PSYCH 217N	The Science of Human Resilience	3			
PSYCH 297F	Special Topics - InterDomain	3			