Science and Technology: Spring 2018

Courses must be taken for a **letter grade** in order to count towards the ILR Distribution Requirement. Courses in the biological or physical sciences or sciences and technology offered at Cornell (or completed as AP courses in high school with approval by the appropriate department at Cornell) will satisfy this requirement. The intent of the requirement is to enable ILR undergraduates to understand and appreciate the perspectives, models, values, and issues associated with science and technology.

Students may submit a request to the Office of Student Services to have a Cornell University course added to one of the lists. A request must include a full course description and a syllabus outlining the course readings

Bolded courses are offered in Spring 2018

Department	No.	Title
American Studies (AMST)	2980	Inventing an Information Society (ECE 2980, ENGRG 2980, HIST 2920, INFO 2921, STS 2921)
	3911	Science in the American Polity, 1960-Present (GOVT 3091, STS 3911)
Anthropology (ANTHR)	1200	Ancient Peoples & Places (ARKEO 1200)
	1300	**Human Evolution : Genes, Behavior, and the Fossil Record**
	2200	Early People: The Archaeological & Fossil Record (ARKEO 2200)
	2750	Human Biology and Evolution (NS 2750)
	3390	**Primate Behavior and Ecology**
Applied & Engineering Physics (AEP)	1100	Laser and Photonics (ENGRI 1100)
Archaeology (ARKEO)	1200	Ancient Peoples & Places (ANTHR 1200)
	2200	Early People: The Archaeological & Fossil Record (ANTHR 2200)
Astronomy (ASTRO)	1101	From New Worlds to Black Holes
	1102	**Our Solar System (co-meets ASTRO 1104) - No Lab**
	1103	Nature of the Universe (co-meets ASTRO 1101) - Includes Lab
	1104	**Our Solar System (co-meets ASTRO 1102) - Includes Lab**
	1105	The Universe - No Lab
	1106	Relativity, Cosmology, and Black Holes
	1107	The Universe (summer semester) – Includes Lab
	1195	Observational Astronomy
	2201	**The History of the Universe**
	2202	A Spacecraft Tour of the Solar System
	2211	**Astronomy: Stars, Galaxies and Cosmology**
Biology: General Courses (BIOG)	1101/1102	Biological Sciences Lectures (2 credits)
	1103/1104	Biological Sciences, Laboratory (2 credits)
	1105/1106	Introductory Biology, Individual Instruction
	1107	Intro to Biology I from Atom to Cell
	1108	Intro to Biology II from Cell to Biosphere
	1140	Foundations of Biology – *as of FA'15*
Ecology & Evol. Biology (BIOEE)	1540	Introductory Oceanography (EAS 1540)
	1560	Introductory Oceanography with Lab (EAS 1560)

	1610	**Introductory Biology: Ecology and the Environment**
	2070	Evolution (STS 2871)
	2670	Introduction to Conservation Biology (NTRES 2670)
Molecular Biology and Genetics (BIOMG)	1150	Human Genetics and Society
	1290	**Personal Genomics and Medicine: Why Should You Care About What's In Your Genes** - *as of Spring 2012*
	2820	Human Genetics
Biological & Envir Engineering (BEE)	**3299**	**Sustainable Development**
Biology & Society (BSOC)	2101	Plagues and People (ENTOM 2100) - must be 3 credit version only
	2821	**Science in Western Civilization: Newton to Darwin, Darwin to Einstein (HIsT 2820, STS 2821)**
	3011	Life Sciences and Society (STS 3011)
	3111	**Sociology of Medicine (DSOC 3111, SOC 3130, STS 3111)**
	4071	Law, Science, and Public Values (STS 4071)
Chemistry (CHEM)	1150	The Language of Chemistry
	1560	Introduction to General Chemistry
	1570	**Introduction to Organic and Biological Chemistry**
	2070**/2080**	General Chemistry I **/ General Chemistry II**
	2150	Honors General and Inorganic Chemistry
Cognitive Science (COGST)	**1101**	**Intro to Cognitive Science (CS 1710, LING 1170, PHIL 1910, PSYCH 1102)**
Computer Science (CS)	**1710**	**Intro to Cognitive Science (COGST 1101, LING 1170, PHIL 1910, PSYCH 1102)**
Development Sociology (DSOC)	**3111**	**Sociology of Medicine (BSOC 3111, SOC 3130, STS 3111)**
Earth & Atmospheric Sciences (EAS)	1101	Climate and Energy: a 21st Century Earth Science Perspective
	1220	**Earthquake! (ENGRI 1220)**
	1310	Basic Principles of Meteorology
	1540	Introductory Oceanography (BIOEE 1540)
	1560	Introductory Oceanography with Lab (BIOEE 1560)
	1700	**Evolution of the Earth and Life**
	2680	**Climate and Global Warming**
	3340	Microclimatology
Entomology (ENTOM)	2100	Plague and People (BSOC 2101) - must be 3 credit version only
Engineering Introduction (ENGRI)	1100	Laser and Photonics (AEP 1100)
	1220	**Earthquake! (EAS 1220)**

Electrical & Computer Engineering (ECE)	2500	Technology in Society (ENGRG 2500, HIST 2500, STS 2501)
	2980	Inventing an Information Society (AMST 2980, HIST 2980, INFO 2921, STS 2921)
Engineering General Interest (ENGRG)	2500	Technology in Society (ECE 2500, HIST 2500, STS 2501)
	2980	Inventing an Information Society (AMST 2980, ECE 2980, HIST 2929, INFO 2921, STS 2921)
Food Science (FDSC)	4800	Global Seminar: Building Sustainable Environments and Secure Food Systems for a Modern World (IARD 4800, NTRES 4800)
Government (GOVT)	3091	Science in the American Polity, 1960-Present (AMST 3911, STS 3911)
History (HIST)	2500	Technology in Society (ECE 2500, ENGRG 2500, STS 2501)
	2810	Science in Western Civilization: Medieval and Early Modern Europe up to Isaac Newton (STS 2811)
	2820	**Science in Western Civilization: Newton to Darwin, Darwin to Einstein (BSOC 2821, STS 2821)**
	2920	Inventing an Information Society (AMST 2980, ECE 2980, ENGRG 2980, STS 2921, INFO 2921)
Human Development (HD)	1150	Human Development: Infancy and Childhood
	2200	**The Human Brain and Mind: An Introduction to Cognitive Neuroscience**
	2610	**Development of Social Behavior (PSYCH 2610)**
Information Science (INFO)	**1200**	**Information Ethics, Law, and Policy (STS 1201)**
	2921	Inventing an Information Society (AMST 2980, ECE 2980, ENGRG 2980, HIST 2920, STS 2921)
	4240	Designing Technology for Social Impact (STS 4240)
International Agriculture & Rural Development (IARD)	4800	Global Seminar: Building Sustainable Environments and Secure Food Systems for a Modern World (FDSC 4800, NTRES 4800)
Linguistics (LING)	**1170**	**Introduction to Cognitive Science (COGST 1101, CS 1710, PHIL 1910, PSYCH 1102)**
Music (MUSIC)	**1466**	**Physics of Musical Sound (PHYS 1204)**
Natural Resources (NTRES)	**2010**	**Environmental Conservation**
	2670	Introduction to Conservation Biology (BIOEE 2670)
	4800	Global Seminar: Building Sustainable Environments and Secure Food Systems for a Modern World (FDSC 4800, IARD 4800)
Nutritional Science (NS)	1150	Nutrition, Health and Society
	2750	Human Biology and Evolution (ANTHR 2750)

Philosophy (PHIL)	1910	**Introduction to Cognitive Science (CS 1710, COGST 1101, LING 1170, PSYCH 1102)**
	2810	Introduction to the Philosophy of Science (STS 2831)
	2860	Science and Human Nature (STS 2861)
	3810	Philosophy of Science (STS 3811)
Physics (PHYS)	1101**/1102**	General Physics I **/ General Physics II**
	1201	Why the Sky is Blue: Aspects of the Physical World
	1203	**Physics of the Heavens and the Earth**
	1204	**Physics of Musical Sound (MUSIC 1466)**
	2207/**2208**	Fundamentals of Physics I / **Fundamentals of Physics II**
Plant Biology (PLBIO)	**2400**	**Green World/Blue Planet**
	2410	Introductory Plant Biodiversity and Evolution
Plant Pathology (PLPPM)	**2013**	**Mushrooms, Molds and More**
	2015	Mushrooms, Molds, and Molecules – 3 credits only, including lab or discussion sections
Psychology (PSYCH)	**1102**	**Introduction to Cognitive Science (COGST 1101, CS 1710, LING 1170, PHIL 1910)**
	2050	Perception
	2090	**Developmental Psychology**
	2230	Introduction to Biopsychology
	2610	**Development of Social Behavior (HD 2610)**
	6050	Perception
	7090	**Developmental Psychology**
Science & Technology Studies (STS)	**1201**	**Information Ethics, Law, and Policy (INFO 1200)**
	2011	What is Science? An Introduction to the Social Studies of Science & Technology (SOC 2100)
	2501	Technology in Society (ECE 2500, ENGRG 2500, HIST 2500)
	2811	Science in Western Civilization: Medieval and Early Modern Europe up to Isaac Newton (HIST 2810)
	2821	**Science in Western Civilization: Newton to Darwin, Darwin to Einstein (BSOC 2821, HIST 2820)**
	2831	Introduction to the Philosophy of Science (PHIL 2810)
	2861	Science and Human Nature (PHIL 2860)
	2871	Evolution (BIOEE 2070)
	2921	Inventing an Information Society (AMST 2980, ECE 2980, ENGRG 2980, HIST 2920, INFO 2921)
	3011	Life Sciences and Society (BSOC 3011)
	3111	**Sociology of Medicine (BSOC 3111, DSOC 3111,SOC 3130)**
	3811	Philosophy of Science (PHIL 3810)
	3911	Science in the American Polity, 1960 to Now (AMST 3911, GOVT 3091)
	4071	Law, Science, and Public Values (BSOC 4071)
	4240	Designing Technology for Social Impact (INFO 4240)
	4331	Global History of Science & Technology

Sociology (SOC)	2100	What is Science? An Introduction to the Social Studies of Science & Technology (STS 2011)
	3130	**Sociology of Medicine (BSOC 3111, DSOC 3111, STS 3111)**
Viticulture and Enology (VIEN)	**2204**	**Principles and Practices of Growing Grapes and Making Wines (FDSC 2204, PLHRT 2204)**