

Philosophy (BS): Logic, Representation and Reasoning Concentration

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

The Department of Philosophy and Religious Studies offers a Bachelor of Arts (B.A.) in Philosophy, and a Bachelor of Science (B.S.) in Philosophy, plus three concentrations. These different programs all cover basic core areas of philosophy that are essential to any good philosophy major, but they also allow students to pursue and showcase different areas of emphasis.

The B.S. in Philosophy with a Concentration in Logic, Representation and Reasoning provides excellent preparation for top graduate programs in Philosophy as well as for professional training in fields as diverse as law, library science, management and medicine. Although the major does not train students for a particular career, it develops skills that are useful for work in any field that requires critical, constructive and independent thinking.

For more information about this program, visit our website (https://philrel.chass.ncsu.edu/philosophy/philosophy_major.php).

Contact Person

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Plan Requirements

Code	Title	Hours	Counts towards
Mathematics			
Calculus (p. 2)		3	
Math Electives		6	
Two additional math or statistics courses chosen from MA 114 and above or ST 305 and above. One of the courses must be selected from the GEP Mathematical Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/) list.			
Basic Science			
Basic Science (3 Different) (p. 2)		12	
Science Electives (p. 3)		4	
Departmental Requirements			
PHI 301	Early Modern Philosophy ¹	3	

Writing in History or Ethics (p. 4) ¹		1
History of Philosophy (p. 4) ¹		3
Ethics (p. 4) ¹		3
LOG 335	Symbolic Logic ¹	3
or MA 335	Symbolic Logic	
Logic, Language & Cognition (p. 4) ¹		3
Additional Logic/Language/ Cognition (p. 4) ¹		3
Philosophy of Science (p. 4) ¹		3
PHI 496	Research and Writing in Contemporary Philosophy ¹	1
PHI 497	Research and Writing in Logic, Representation and Reasoning ¹	1
PHI or LOG Electives (p. 5) ¹		6
400-Level PHI/LOG Course (verify requirement) (p. 5) ¹		

At least one of the courses taken to satisfy the History of Philosophy, Ethics, Logic, Philosophy of Language and Cognition, Philosophy of Science, or Additional Courses in Logic and Cognition requirements must be a three-credit-hour, 400-level PHI or LOG course (other than PHI 498 or LOG 498). (Note: "It is not necessary to take at least one 400-level course to satisfy each one of the listed requirements.

Advanced Sciences/Technology Requirements

Advanced Sciences/Technology Requirements (See Advisor) ²	15
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A 15-credit hour concentration in one area of science, technology, or mathematics, selected by the student under the guidance of the student's major adviser. Titles and numbers of the selected courses will be recorded in a written document. Approval of the selected courses will be indicated by the signature of the student, his or her advisor, the department's Bachelor of Science program coordinator (if applicable, and if a different person than the adviser), and a College of Humanities and Social Sciences Assistant Dean. Approval by these university officials is required for the option plan to be officially implemented. The completed document will be placed in the student's Dean's Office and Departmental files. A minimum GPA of 2.0 in this group of courses is required for graduation.

Humanities & Social Sciences

Acad Writing Research (p. 5) ¹	4
Philosophy	3
Any PHI course on the approved GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/) list.	
Arts and Letters (p. 5)	3
History (p. 7)	3
Literature (p. 8)	3
Writing and Communication (p. 5)	3
Social Sciences (3 Different) (p. 9)	9

General Education Program (GEP) Courses

GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)	2
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Mathematical Sciences/Natural Sciences/Engineering)	3
GEP U.S. Diversity (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-us-diversity/) (verify requirement)	

GEP Global Knowledge (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/>) (verify requirement)

Foreign Language Proficiency (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/foreign-language-proficiency/>) (verify requirement)

Free Electives

Free Electives (12 Hr S/U Lmt) ²	17
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Total Hours	120
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¹ A grade of C- or higher is required.

² Students should consult their academic advisors to determine how to complete this requirement.

* The Department of Philosophy and Religious Studies does not accept D grades (D-, D, D+) in courses taken to satisfy any major requirements.

** **Major Residency Requirements:** A minimum of 18 hours in the major must be completed at NC State.

Grade Point Average (GPA) Requirements: A major GPA of at least 2.0 is required for graduation.

Calculus

Code	Title	Hours	Counts towards
MA 121	Elements of Calculus	3	
MA 131	Calculus for Life and Management Sciences A	3	
MA 141	Calculus I	4	
MA 231	Calculus for Life and Management Sciences B	3	
MA 241	Calculus II	4	
MA 242	Calculus III	4	

Basic Sciences

Code	Title	Hours
Biological Sciences (Max: 4 Units)		
BIO 105	Biology in the Modern World	3
BIO 106	Biology in the Modern World Laboratory	1
BIO 140	Survey of Animal Diversity	3
BIO 141	Animal Diversity Laboratory	1
BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
BIO 183	Introductory Biology: Cellular and Molecular Biology	4
Chemistry (Max: 4 Units)		
CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
CH 201	Chemistry - A Quantitative Science	3
CH 202	Quantitative Chemistry Laboratory	1

Earth Sciences (Max: 4 Units)

MEA 100	Earth System Science: Exploring the Connections	4
MEA 101	Geology I: Physical	3
MEA 110	Geology I Laboratory	1
MEA 130	Introduction to Weather and Climate	3
MEA 135	Introduction to Weather and Climate Laboratory	1
MEA 150	Environmental Issues in Water Resources	4
MEA 200	Introduction to Oceanography	3
MEA 202	Geology II: Historical	3
MEA 210	Oceanography Lab	1
MEA 211	Geology II Laboratory	1

Physics (Max: 4 Units)

PY 123	Stellar and Galactic Astronomy	3
PY 124	Solar System Astronomy	3
PY 125	Astronomy Laboratory	1
PY 131	Conceptual Physics	4
PY 201	University Physics I	4
PY 202	University Physics II	4
PY 203	University Physics III	4
PY 205	Physics for Engineers and Scientists I	3
PY 206	Physics for Engineers and Scientists I Laboratory	1
PY 208	Physics for Engineers and Scientists II	3
PY 209	Physics for Engineers and Scientists II Laboratory	1
PY 211	College Physics I	4
PY 212	College Physics II	4

Science Electives

Code	Title	Hours
BIO 105	Biology in the Modern World	3
BIO 106	Biology in the Modern World Laboratory	1
BIO 140	Survey of Animal Diversity	3
BIO 141	Animal Diversity Laboratory	1
BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
BIO 183	Introductory Biology: Cellular and Molecular Biology	4
BIO 227	Understanding Structural Diversity through Biological Illustration	3
BIT 100	Current Topics in Biotechnology	4
BIT 210	Phage Hunters	3
BIT 211	Phage Genomics	2
CH 100	Chemistry and Society	4
CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
CH 103	General Chemistry I for Students in Chemical Sciences	3
CH 104	General Chemistry Laboratory I for Students in Chemical Sciences	1
CH 201	Chemistry - A Quantitative Science	3
CH 202	Quantitative Chemistry Laboratory	1
CH 203	General Chemistry II for Students in Chemical Sciences	3
CH 204	General Chemistry Laboratory II for Students in Chemical Sciences	1

CS 213	Crop Science	3
CS 312	Grassland Management for Natural Resources Conservation	3
ENT 402	Forest Entomology	3
ENT 425	General Entomology	3
FOR 252	Introduction to Forest Science	3
FOR 318	Forest Pathology	3
FOR 339	Dendrology	4
FOR 402	Forest Entomology	3
HS 301	Plant Propagation	4
HS 303	Ornamental Plant Identification I	3
HS 304	Ornamental Plant Identification II	3
MB 210	Phage Hunters	3
MB 211	Phage Genomics	2
MB 351	General Microbiology	3
MEA 100	Earth System Science: Exploring the Connections	4
MEA 101	Geology I: Physical	3
MEA 110	Geology I Laboratory	1
MEA 130	Introduction to Weather and Climate	3
MEA 135	Introduction to Weather and Climate Laboratory	1
MEA 150	Environmental Issues in Water Resources	4
MEA 200	Introduction to Oceanography	3
MEA 202	Geology II: Historical	3
MEA 210	Oceanography Lab	1
MEA 211	Geology II Laboratory	1
NSGE 295	Natural Sciences Special Topics	1-4
NSGK 295	Natural Sciences and Global Knowledge Special Topics	3
PB 200	Plant Life	4
PB 220	Local Flora	3
PB 400	Plant Diversity and Evolution	4
PO 201	Poultry Science and Production	3
PO 201A	Poultry Science and Production	3
PO 202	Poultry Science and Production Laboratory	1
PO 202A	Poultry Science and Production Laboratory	1
PP 318	Forest Pathology	3
PY 123	Stellar and Galactic Astronomy	3
PY 124	Solar System Astronomy	3
PY 125	Astronomy Laboratory	1
PY 131	Conceptual Physics	4
PY 201	University Physics I	4
PY 202	University Physics II	4
PY 203	University Physics III	4
PY 205	Physics for Engineers and Scientists I	3
PY 206	Physics for Engineers and Scientists I Laboratory	1
PY 208	Physics for Engineers and Scientists II	3
PY 209	Physics for Engineers and Scientists II Laboratory	1
PY 211	College Physics I	4
PY 212	College Physics II	4
SMT 202	Anatomy and Properties of Renewable Materials	3
SSC 200	Soil Science	3
SSC 201	Soil Science Laboratory	1

SSC 421	Role of Soils in Environmental Management	3
TMS 211	Introduction to Fiber Science	3

Writing in History or Ethics

Code	Title	Hours	Counts towards
PHI 494	Research and Writing in Ethics	1	
PHI 495	Research and Writing in History of Philosophy	1	

History of Philosophy

Code	Title	Hours	Counts towards
PHI 300	Ancient Philosophy	3	
PHI 302	19th Century Philosophy	3	
PHI 401	Kant's Critique of Pure Reason	3	

Ethics

Code	Title	Hours	Counts towards
PHI 309	Political Philosophy	3	
PHI 319	Black Political Philosophy	3	
PHI 375	Ethics	3	
PHI 376	History of Ethics	3	
PHI 420	Global Justice	3	
PHI 475	Ethical Theory	3	

Logic, Language & Cognition

Code	Title	Hours	Counts towards
Select a minimum of 3 units			
PHI 331	Philosophy of Language	3	
PHI 332	Philosophy of Psychology	3	
PHI 347	Neuroscience and Philosophy	3	
PHI 425	Introduction to Cognitive Science	3	
PHI 440	The Scientific Method	3	
PHI 447	Philosophy, Evolution and Human Nature	3	
PHI 475	Ethical Theory	3	
PSY 425	Introduction to Cognitive Science	3	

Additional Logic/Language/Cognition

Code	Title	Hours	Counts towards
LOG 430	Varieties of Logic	3	
LOG 435	Advanced Logic & Metamathematics	3	
LOG 498	Special Topics in Logic	1-6	
LOG 598	Special Topics in Logic	1-6	
PHI 331	Philosophy of Language	3	
PHI 332	Philosophy of Psychology	3	
PHI 333	Knowledge and Skepticism	3	
PHI 347	Neuroscience and Philosophy	3	
PHI 425	Introduction to Cognitive Science	3	
PHI 440	The Scientific Method	3	
PHI 447	Philosophy, Evolution and Human Nature	3	
PHI 494	Research and Writing in Ethics	1	
PHI 495	Research and Writing in History of Philosophy	1	
PHI 496	Research and Writing in Contemporary Philosophy	1	
PHI 497	Research and Writing in Logic, Representation and Reasoning	1	
PHI 498	Special Topics in Philosophy	1-6	
PSY 425	Introduction to Cognitive Science	3	

Philosophy of Science

Code	Title	Hours	Counts towards
PHI 340	Philosophy of Science	3	
PHI 440	The Scientific Method	3	
PHI 447	Philosophy, Evolution and Human Nature	3	

PHI or LOG Electives

Code	Title	Hours	Counts towards
LOG 201	Logic	3	
LOG 435	Advanced Logic & Metamathematics	3	
PHI 210	Representation, Reason and Reality	3	
PHI 330	Metaphysics	3	
PHI 331	Philosophy of Language	3	
PHI 332	Philosophy of Psychology	3	
PHI 333	Knowledge and Skepticism	3	
PHI 340	Philosophy of Science	3	
PHI 347	Neuroscience and Philosophy	3	
PHI 401	Kant's Critique of Pure Reason	3	
PHI 403	Continental Philosophy After 1900	3	
PHI 420	Global Justice	3	
PHI 425	Introduction to Cognitive Science	3	
PHI 440	The Scientific Method	3	
PHI 447	Philosophy, Evolution and Human Nature	3	
PHI 475	Ethical Theory	3	
PSY 425	Introduction to Cognitive Science	3	

400-Level PHI/LOG Course

Code	Title	Hours	Counts towards
LOG 435	Advanced Logic & Metamathematics	3	
PHI 401	Kant's Critique of Pure Reason	3	
PHI 403	Continental Philosophy After 1900	3	
PHI 420	Global Justice	3	
PHI 425	Introduction to Cognitive Science	3	
PHI 440	The Scientific Method	3	

PHI 447	Philosophy, Evolution and Human Nature	3
PHI 475	Ethical Theory	3
PSY 425	Introduction to Cognitive Science	3

Academic Writing and Research

Code	Title	Hours	Counts towards
Acad Writing Research			
ENG 101	Academic Writing and Research	4	
FLE 101	Academic Writing and Research	4	
Transfer Sequence			
ENG 202	Disciplinary Perspectives in Writing		
ENG 1GEP	100 Level English Composition	3	

Writing and Communication

Code	Title	Hours	Counts towards
Writing and Communication			
COM 110	Public Speaking	3	
COM 112	Interpersonal Communication	3	
COM 211	Argumentation and Advocacy	3	
ENG 287	Explorations in Creative Writing	3	
ENG 288	Fiction Writing	3	
ENG 289	Poetry Writing	3	
ENG 292	Writing About Film	3	
ENG 316	Introduction to News and Article Writing	3	
ENG 323	Writing in the Rhetorical Tradition	3	
ENG 331	Communication for Engineering and Technology	3	
ENG 332	Communication for Business and Management	3	
ENG 333	Communication for Science and Research	3	

Arts and Letters

Code	Title	Hours
ADN 111	Introduction to Two-Dimensional Design	3
ADN 112	Introduction to Three-Dimensional Design	3

ADN 212	Photography I	3	GD 203	History of Graphic Design	3
ADN 281	Drawing I	3	GD 303	Graphic Design Theory and Practice	3
ADN 414	Color and Light	3	HA 201	History of Art from Caves to the Renaissance	3
AFS 230	Introduction to African-American Music	3	HA 202	History of Art From the Renaissance Through the 20th Century	3
AFS 260	History of Jazz	3	HA 203	History of American Art	3
AFS 343	African American Religions	3	HA 240	Introduction to Visual Culture	3
AFS 346	Black Popular Culture	3	HA 298	Special Topics in Art History	3
AFS 375	African American Cinema	3	HA 395	History of Art: Study Abroad	3
ARC 140	Experiencing Architecture	3	HA 401	19th Century European Art from Revolution to Post-Impressionism	3
ARC 141	Introduction to Architectural History	3	HA 404	Italian Renaissance Art and Material Culture	3
ARC 241	History of World Architecture	3	HA 410	History of the Art of Photography	3
ARS 251	The Arts of a World Capital: London	3	HA 498	Independent Study in History of Art	1-6
ARS 252	The Arts of Vienna 1900	3	HESM 322	Dance and Society	3
ARS 257	Technology in the Arts	3	HESM 324	Concert Dance History	3
ARS 258	Mathematics and Models in Music	3	HESM 326	Current Trends in Dance	3
ARS 259	The Arts and Politics	3	HI 240	Introduction to Visual Culture	3
ARS 306	Music Composition with Computers	3	HI 320	Religion in American History	3
ARS 346	Black Popular Culture	3	HI 402	Early Christianity to the Time of Eusebius	3
ARS 351	Arts, Ideas and Values	3	HI 407	Islamic History to 1798	3
ARS 353	Arts and Cross-Cultural Contacts	3	HI 408	Islam in the Modern World	3
ARS 354	The Arts and the Sacred	3	HI 502	Early Christianity to the Time of Eusebius	3
CLA 210	Classical Mythology	3	HI 507	Islamic History to 1798	3
COM 321	Survey of Rhetorical Theory	3	HI 508	Islam in the Modern World	3
COM 364	History of Film to 1940	3	HON 390	Music and the Celtic World	3
COM 374	History of Film From 1940	3	IDS 496	Topics in Film and Interdisciplinary Studies	3
COM 395	Studies in Rhetoric and Digital Media	3	LAR 444	History of Landscape Architecture	3
COM 411	Rhetorical Criticism	3	MUS 105	Introduction to Music in Western Society	3
D 231	Design History for Engineers and Scientists	3	MUS 180	Introduction to Musical Experiences	3
DAN 272	Dance Composition - Solo Forms	1	MUS 181	Exploring Music Theory	3
DAN 295	Modern Dance Performance and Practice	2	MUS 200	Understanding Music: Global Perspectives	3
ENG 282	Introduction to Film	3	MUS 201	Introduction to Music Literature I	3
ENG 289	Poetry Writing	3	MUS 202	Introduction to Music Literature II	3
ENG 321	Survey of Rhetorical Theory	3	MUS 260	History of Jazz	3
ENG 323	Writing in the Rhetorical Tradition	3	MUS 306	Music Composition with Computers	3
ENG 359	Topics in Film Studies	3	MUS 310	Music of the 17th and 18th Centuries	3
ENG 364	History of Film to 1940	3	MUS 315	Music of the 19th Century	3
ENG 374	History of Film From 1940	3	MUS 320	Music of the 20th Century	3
ENG 375	African American Cinema	3	MUS 330	Survey of Musical Theater	3
ENG 378	Women & Film	3	MUS 350	Music of Asia	3
ENG 382	Film and Literature	3	MUS 360	Women In Music	3
ENG 384	Introduction to Film Theory	3	REL 200	Introduction to the Study of Religion	3
ENG 385	Biblical Backgrounds of English Literature	3	REL 210	Religious Traditions of the World	3
ENG 411	Rhetorical Criticism	3	REL 298	Special Topics in Religious Studies	3
ENG 426	Analyzing Style	3	REL 309	Religion and Society	3
ENG 492	Special Topics in Film Styles and Genres	3	REL 311	Introduction to the Old Testament	3
FL 216	Art and Society in France	3	REL 312	Introduction to the New Testament	3
FLC 351	Modern Chinese Popular Culture	3	REL 314	Introduction to Intertestamental Literature	3
FLF 318	The Heritage of French Cinema	3	REL 317	Christianity	3
FLG 318	New German Cinema and Beyond	3	REL 320	Religion in American History	3
FLI 318	Italian Society Through Cinema	3	REL 323	Religious Cults, Sects, and Minority Faiths in America	3
FLR 318	Russian Cinema and Society	3			
FLS 360	Hispanic Cinema	3			

REL 327	Issues in Contemporary Religion	3
REL 331	The Hindu Tradition	3
REL 332	The Buddhist Traditions	3
REL 333	Chinese Religions	3
REL 334	Japanese Religions	3
REL 340	Islam	3
REL 343	African American Religions	3
REL 350	Introduction to Judaism	3
REL 380	Emotion and Religion	3
REL 383	Religion, Globalism, and Justice	3
REL 402	Early Christianity to the Time of Eusebius	3
REL 407	Islamic History to 1798	3
REL 408	Islam in the Modern World	3
REL 412	Advanced Readings in the Christian Gospels	3
REL 413	The Life and Letters of the Apostle Paul	3
REL 423	Religion and Politics in America	3
REL 424	Religion and Politics in Global Perspective	3
REL 471	Darwinism and Christianity	3
REL 472	Women and Religion	3
REL 473	Religion, Gender, and Reproductive Technologies	3
REL 482	Religion and Conflict	3
REL 489	Interpretations of Religion	3
REL 496	Seminar in Religious Studies	3
REL 498	Special Topics in Religious Studies	1-6
REL 502	Early Christianity to the Time of Eusebius	3
REL 507	Islamic History to 1798	3
REL 508	Islam in the Modern World	3
REL 512	Advanced Readings in the Christian Gospels	3
REL 513	The Life and Letters of the Apostle Paul	3
REL 523	Religion and Politics in America	3
REL 524	Religion and Politics in Global Perspective	3
REL 571	Darwinism and Christianity	3
REL 572	Women and Religion	3
REL 573	Religion, Gender, and Reproductive Technologies	3
REL 582	Religion and Conflict	3
REL 589	Interpretations of Religion	3
REL 598	Special Topics in Religious Studies	1-6
SOC 309	Religion and Society	3
STS 257	Technology in the Arts	3
STS 471	Darwinism and Christianity	3
STS 571	Darwinism and Christianity	3
THE 103	Introduction to the Theater	3
THE 203	Theory and Practice of Acting	3
THE 303	Stage Directing	3
THE 334	Advanced Acting	3
THE 340	African American Theatre	3
WGS 360	Women In Music	3
WGS 472	Women and Religion	3
WGS 473	Religion, Gender, and Reproductive Technologies	3
WGS 572	Women and Religion	3
WGS 573	Religion, Gender, and Reproductive Technologies	3

History

Code	Title	Hours	Counts towards
A 200-level survey course covering our own or a similar culture, i.e., United States or other Western Culture.			
AFS/HI 275	Introduction to History of South and East Africa	3	
AFS/HI 276	Introduction to History of West Africa	3	
HI 205	Western Civilization Since 1400	3	
HI 207	Ancient Mediterranean World	3	
HI 208	The Middle Ages	3	
HI 209	From Renaissance to Revolution: The Origins of Modern Europe	3	
HI 210	Modern Europe 1815-Present	3	
HI 214	History and Archaeology of Ancient Latin America	3	
HI 215	Colonial Latin America	3	
HI 216	Modern Latin America	3	
HI 217	Caribbean History	3	
HI 221	British History to 1688	3	
HI 222	History of British Cultures and Societies From 1688	3	
HI 232	The World from 1200 to 1750	3	
HI 233	The World Since 1750	3	
HI 251	American History I	3	
HI 252	American History II	3	
HI 253	Early American History	3	
HI 254	Modern American History	3	
HI 263	Asian Civilizations to 1800	3	

HI 264	Modern Asia: 1800 to Present	3
HI 270	Modern Middle East	3

Literature

Code	Title	Hours
Literature List A		
AFS/ENG 248	Survey of African-American Literature	
AFS/ENG 349	African Literature in English	
AFS 448/548/ ENG 448/548	African-American Literature	
ENG 206	Studies In Drama	3
ENG 207	Studies in Poetry	3
ENG 208	Studies In Fiction	3
ENG 209	Introduction to Shakespeare	3
ENG/FL 219	Studies in Great Works of Non-Western Literature	3
ENG/FL 220	Studies in Great Works of Western Literature	3
ENG/FL 221	Literature of the Western World I	3
ENG/FL 222	Literature of the Western World II	3
ENG/FL 223	Contemporary World Literature I	3
ENG/FL 224	Contemporary World Literature II	3
ENG 232	Literature and Medicine	3
ENG 246	Literature of the Holocaust	3
ENG 249	Native American Literature	3
ENG 251	Major British Writers	3
ENG 252	Major American Writers	3
ENG 255	Beyond Britain: Literature from Colonies of the British Empire	3
ENG 260	Reading Literature and Exploring Textuality	3
ENG 261	English Literature I	3
ENG 262	English Literature II	3
ENG 265	American Literature I	3
ENG 266	American Literature II	3
ENG 267	LGBTQI Literature in the U.S.	3
ENG/FL 275	Literature and War	3
ENG/WGS 305	Women and Literature	3
ENG 339	Literature and Technology	3
ENG 340	Literature, Art, and Society	3
ENG 341	Literature and Science	3
ENG 342	Literature of Space and Place	3
ENG 361	Studies in British Poetry	3
ENG 362	Studies in the British Novel	3
ENG 369	The American Novel of the 19th Century	3
ENG 370	American Fiction, Twentieth Century and Beyond	3
ENG 372	American Poetry, Twentieth Century and Beyond	3
ENG 376	Science Fiction	3
ENG 377	Fantasy	3
ENG 380	Modern Drama	3
ENG 382	Film and Literature	3
ENG 385	Biblical Backgrounds of English Literature	3
ENG 390	Classical Backgrounds of English Literature	3
ENG/FL 394	Studies in World Literature	3

ENG 399	Contemporary Literature	3
ENG/FL 406	Modernism	3
ENG/FL 407	Postmodernism	3
ENG/WGS 410	Studies in Gender and Genre	3
ENG 420	Major American Author	3
ENG 439	Studies in English Renaissance Literature	3
ENG 451/551	Chaucer	3
ENG 452	Medieval British Literature	3
ENG 453	Studies in Nineteenth-Century British Literature	3
ENG 462	18th-Century English Literature	3
ENG 463	The Victorian Period	3
ENG 464	British Literature and the Founding of Empire	3
ENG 465	British Literature and the Dissolution of Empire	3
ENG 466	Transatlantic Literatures	3
ENG 468	Studies in Nineteenth-Century American Literature	3
ENG 470	American Literature, Twentieth Century and Beyond	3
ENG 486	Shakespeare, The Earlier Plays	3
ENG 487	Shakespeare, The Later Plays	3

Literature List B

ENG/FL 219	Studies in Great Works of Non-Western Literature	3
ENG/FL 220	Studies in Great Works of Western Literature	3
ENG/FL 221	Literature of the Western World I	3
ENG/FL 223	Contemporary World Literature I	3
ENG/FL 224	Contemporary World Literature II	3
ENG/FL 394	Studies in World Literature	3
ENG/FL 406	Modernism	3
ENG/FL 407	Postmodernism	3
FLF 301	Survey of French Literature from the Middle Ages through the Enlightenment	3
FLF 302	Survey of French Literature from Romanticism to the Contemporary Period	3
FLF 492	Seminar in French Studies	3
FLG 320	Introduction to German Literature	3
FLG 323	Twentieth Century German Literature	3
FLG 325	German Lyric Poetry	3
FLR 303	Russian Literature in Translation: The Nineteenth Century	3
FLR 304	Russian Literature in Translation: The Twentieth Century	3
FLS 341	Literature and Culture of Spain I	3
FLS 342	Literature and Culture of Spain II	3
FLS 343	Literature and Culture of Spain III	3
FLS 351	Literature and Culture of Latin America I	3
FLS 352	Literature and Culture of Latin America II	3
FLS 353	Literature and Culture of Latin America III	3
FLS 492	Seminar in Hispanic Studies	3
HON 202	Inquiry, Discovery, and Literature	3

Social Science

Code Title Hours

Twelve (12) credit hours required from three different disciplines, six (6) must be on GEP Social Sciences (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/>) list.

Anthropology

ANT 251	Physical Anthropology	3
ANT 252	Cultural Anthropology	3
ANT 253	Unearthing the Past: Introduction to World Archaeology	3
ANT 254	Language and Culture	3
ANT 261	Technology in Society and Culture	3
ANT 295	Special Topics in Anthropology	1-3
ANT 310	Native Peoples and Cultures of North America	3
ANT 315	The Aztecs, Maya, and Their Predecessors: Archaeology of Mesoamerica	3
ANT 325	Andean South America	3
ANT 330	People and Cultures of Africa	3
ANT 345	Anthropology of the Middle East	3
ANT 346	Peoples and Cultures of Southeast Asia	3
ANT 351	Contemporary Culture in Japan	3
ANT 354	Peoples and Cultures of the Pacific	3
ANT 370	Introduction to Forensic Anthropology	3
ANT 371	Human Variation	3
ANT 374	Disease and Society	3
ANT 389	Fundamentals of Archaeological Research	3
ANT 395	Special Topics in Anthropology	1-3
ANT 411	Overview of Anthropological Theory	3
ANT 412	Applied Anthropology	3
ANT 416	Research Methods in Cultural Anthropology	3
ANT 419	Ethnographic Field Methods	3
ANT 421	Human Osteology	3
ANT 422		3
ANT 424	Bioarchaeology	3
ANT 427	Bioarchaeological Fieldwork	3
ANT 428	Human Paleopathology	3
ANT 431	Tourism, Culture and Anthropology	3
ANT 433	Anthropology of Ecotourism and Heritage Conservation	3
ANT 444	Cross-Cultural Perspectives on Women	3
ANT 450	Culture, Ecology, and Sustainable Living	3
ANT 460	Urban Anthropology	3
ANT 461	Wealth, Poverty and International Aid	3
ANT 464	Anthropology of Religion	3
ANT 471	Understanding Latino Migration	3
ANT 475	Environmental Archaeology	3
ANT 483	Theories of Archaeological Research	3
ANT 495	Special Topics in Anthropology	3
ANT 496	Anthropology Internship	6
ANT 498	Independent Study in Anthropology	1-6
ANT 501	Proseminar: Introduction to Graduate Studies in Anthropology	3
ANT 511	Overview of Anthropological Theory	3

ANT 512	Applied Anthropology	3
ANT 516	Research Methods in Cultural Anthropology	3
ANT 521	Human Osteology	3
ANT 522		3
ANT 524	Bioarchaeology	3
ANT 528	Human Paleopathology	3
ANT 529	Advanced Methods in Forensic Anthropology	4
ANT 531	Tourism, Culture and Anthropology	3
ANT 533	Anthropology of Ecotourism and Heritage Conservation	3
ANT 544	Cross-Cultural Perspectives on Women	3
ANT 550	Culture, Ecology, and Sustainable Living	3
ANT 560	Urban Anthropology	3
ANT 561	Wealth, Poverty and International Aid	3
ANT 564	Anthropology of Religion	3
ANT 571	Understanding Latino Migration	3
ANT 575	Environmental Archaeology	3
ANT 583	Theories of Archaeological Research	3
ANT 585	Skeletal Biology in Anthropology	3
ANT 587	Cultural Resource Management	3
ANT 595	Special Topics in Anthropology	1-6
ANT 598	Independent Study in ANT	1-3
FLJ 351	Contemporary Culture in Japan	3
HI 587	Cultural Resource Management	
IS 471	Understanding Latino Migration	
IS 571	Understanding Latino Migration	
SOC 261	Technology in Society and Culture	
WGS 444	Cross-Cultural Perspectives on Women	
WGS 544	Cross-Cultural Perspectives on Women	

Agricultural Economics

ARE 121	Agricultural Finance	3
ARE 201	Introduction to Agricultural & Resource Economics	3
ARE 201A	Introduction to Agricultural & Resource Economics	3
ARE 215	Small Business Accounting	3
ARE 260	Marketing and Risk Management in the Pork Industry	1
ARE 270	Principles of Agribusiness Entrepreneurship	3
ARE 290	Professional Development in Agricultural Business Management	3
ARE 295	Special Topics in Agricultural & Resource Economics (200 Level)	1-6
ARE 301	Intermediate Microeconomics	3
ARE 303	Farm Management	3
ARE 304	Agribusiness Management	3
ARE 306	Agricultural Law	3
ARE 309	Environmental Law & Economic Policy	3
ARE 311	Agricultural Markets	3
ARE 312	Agribusiness Marketing	3
ARE 321	Agricultural Financial Management	3
ARE 323	Agribusiness Finance	3
ARE 332	Human Resource Management for Agribusiness	3
ARE 336	Introduction to Resource and Environmental Economics	3

ARE 345	Global Agribusiness Management	3	Political Science
ARE 370	Agribusiness New Venture Development	3	AFS 409 Black Political Participation in America
ARE 395	Special Topics in Agricultural and Resource Economics (300 level)	1-6	LPS 315 Public Leadership
ARE 404	Advanced Agribusiness Management	3	PS 101 Internet Research
ARE 412	Advanced Agribusiness Marketing	3	PS 102 Data Analysis
ARE 413	Applied Agribusiness Marketing	3	PS 103 Designing Political Web Pages
ARE 415	Introduction to Commodity Futures Markets	3	PS 201 American Politics and Government
ARE 420	Taxation in Agriculture, Production, and Agribusiness	3	PS 202 State and Local Government
ARE 425	Contracts and Organizations in Agriculture	3	PS 203 Introduction to Nonprofits
ARE 433	U.S. Agricultural Policy	3	PS 204 Problems of American Democracy
ARE 444	Ethics in Agribusiness	3	PS 231 Introduction to International Relations
ARE 448	International Agricultural Trade	3	PS 236 Issues in Global Politics
ARE 455	Agribusiness Analytics	3	PS 241 Introduction to Comparative Politics
ARE 470	Agribusiness Entrepreneurship Clinical Skills Development	3	PS 298 Special Topics in Political Science
ARE 475	Food Policy	3	PS 301 The Presidency and Congress
ARE 490	Career Seminar in Agriculture & Resource Economics	1	PS 302 Campaigns and Elections in the US Political System
ARE 492	External Learning Experience	1-6	PS 303 Race in U.S. Politics
ARE 493	Special Problems/Research Exploration	1-6	PS 305 The Justice System in the American Political Process
ARE 494	Agribusiness Study Abroad	1-6	PS 306 Gender and Politics in the United States
ARE 495	Special Topics in Agricultural and Resource Economics	1-6	PS 307 Introduction to Criminal Law in the United States
ARE 590	Special Topics in ARE	1-99	PS 308 Supreme Court and Public Policy
EC 301	Intermediate Microeconomics	3	PS 309 Equality and Justice in United States Law
EC 336	Introduction to Resource and Environmental Economics		PS 310 Public Policy
Economics			PS 312 Introduction to Public Administration
ARE 301	Intermediate Microeconomics	3	PS 313 Criminal Justice Policy
ARE 336	Introduction to Resource and Environmental Economics	3	PS 314 Science, Technology and Public Policy
EC 201	Principles of Microeconomics	3	PS 320 U.S. Environmental Law and Politics
EC 202	Principles of Macroeconomics	3	PS 331 U.S. Foreign Policy
EC 205	Fundamentals of Economics	3	PS 335 International Law
EC 302	Intermediate Macroeconomics	3	PS 336 Global Environmental Politics
EC 305	A Closer Look at Capitalism	3	PS 339 Politics of the World Economy
EC 348	Introduction to International Economics	3	PS 341 European Politics
EC 351	Econometrics I	3	PS 342 Politics of China and Japan
EC 404	Money, Financial Markets, and the Economy	3	PS 343 Government and Politics in South Asia
EC 410	Public Finance	3	PS 345 Governments and Politics in the Middle East
EC 413	Industrial Organization	3	PS 353 Issues in Latin American and Caribbean Politics
EC 431	Labor Economics	3	PS 361 Introduction to Political Theory
EC 437		3	PS 362 American Political Thought
EC 449	International Finance	3	PS 371 Research Methodology of Political Science
EC 451	Econometrics II	3	PS 391 Internship in Political Science
EC 468	Game Theory	3	PS 398 Special Topics in Political Science
EC 474	Economics of Financial Institutions and Markets	3	PS 401 American Political Parties
EC 480		3	PS 409 Black Political Participation in America
EC 490	Research Seminar in Economics	3	PS 411 Public Opinion and the Media in American Politics
EC 495	Special Topics in Economics	1-6	PS 415 Administration of Justice
EC 498	Independent Study in Economics	1-6	PS 418 Gender Law and Policies
			PS 431 The United Nations and Global Order
			PS 432 Violence, Terrorism, and Public Policy
			PS 433 Global Problems and Policies
			PS 437 U.S. National Security Policy

PS 443	Seminar in Latin American & Caribbean Politics	3	PSY 243	Introduction to Behavioral Research II Lab	2
PS 445	Comparative Systems of Law and Justice	3	PSY 307	Industrial and Organizational Psychology	3
PS 462	Seminar in Political Theory	3	PSY 311	Social Psychology	3
PS 463	Public Choice and Political Institutions	3	PSY 312	Applied Psychology	3
PS 464	The Classical Liberal Tradition	3	PSY 313	Positive Psychology	3
PS 471	Public Opinion Research Methodology	3	PSY 340	Human Factors Psychology	3
PS 490	Readings and Research in Political Science	1-6	PSY 345	Psychology and the African American Experience	3
PS 492	Honors Readings and Thesis in Political Science	1-6	PSY 360	Community Psychology Principles and Practice	3
PS 498	Special Topics in Political Science	1-6	PSY 370	Personality	3
PS 502	The Legislative Process	3	PSY 376	Developmental Psychology	3
PS 506	United States Constitutional Law	3	PSY 400	Perception	3
PS 507	Civil Liberties In the United States	3	PSY 406	Psychology of Gender	3
PS 530	Seminar In International Relations	3	PSY 410	Learning and Motivation	3
PS 531	International Law	3	PSY 411	The Psychology of Interdependence and Race	3
PS 532	Seminar in Global Governance	3	PSY 416	Psychology of Emotion	3
PS 533	Global Problems and Policy	3	PSY 420	Cognitive Processes	3
PS 534	The Politics of Human Rights Policies	3	PSY 425	Introduction to Cognitive Science	3
PS 536	Global Environmental Law and Policy	3	PSY 430	Biological Psychology	3
PS 539	International Political Economy	3	PSY 431	Health Psychology	3
PS 540	Seminar In Comparative Politics	3	PSY 436	Introduction to Psychological Measurement	3
PS 541	Political Islam	3	PSY 465	Advanced Methods in Psychology	3
PS 542	European Politics	3	PSY 470	Abnormal Psychology	3
PS 543	Seminar in Latin American & Caribbean Politics	3	PSY 475	Child Psychology	3
PS 544	Contemporary African Politics	3	PSY 476	Psychology of Adolescent Development	3
PS 545	Comparative Systems of Law and Justice	3	PSY 491	Special Topics in Psychology	3
PS 546	The Politics of East Asia	3	PSY 495	Community-Based Applied Psychology	4
PS 547	Russian Politics	3	PSY 498	Psychology Honors Seminar	3
PS 560	Nuclear Nonproliferation Policy & Process	3	PSY 499	Individual Study in Psychology	1-6
PS 561	Nuclear Strategy and Nonproliferation	3	PSY 500	Visual Perception	3
PS 571	Research Methods and Analysis	3	PSY 502	Physiological Psychology	3
PS 585	Constitutional and Legal Principles for Police Supervisors	3	PSY 504	Evolutionary Psychology	3
PS 590	Special Topics	1-6	PSY 508	Cognitive Processes	3
PS 598	Special Topics In Political Science	1-6	PSY 510	Advanced Problems In Psychology	1-3
SOC 413	Criminal Justice Field Work		PSY 511	Advanced Social Psychology	3
SOC 432	Violence, Terrorism, and Public Policy		PSY 525	Introduction To Cognitive Science	3
WGS 306	Gender and Politics in the United States		PSY 535	Forensic Psychology	3
WGS 418	Gender Law and Policies		PSY 540	Human Factors In Systems Design	3
Psychology			PSY 541	Overview of Human Factors Psychology	3
AFS 345	Psychology and the African American Experience		PSY 558	Psychology and the African Experience	3
EDP 304	Educational Psychology		PSY 582	Adolescent Development	3
EDP 476	Psychology of Adolescent Development		PSY 584	Advanced Developmental Psychology	3
EDP 582	Adolescent Development		PSY 590	Special Topics in Psychology	3
ISE 540	Human Factors In Systems Design		PSY 591	History and Systems Of Psychology	1-3
PHI 425	Introduction to Cognitive Science		WGS 406	Psychology of Gender	
PHI 525	Introduction To Cognitive Science		Sociology		
PSY 200	Introduction to Psychology	3	AFS 305	Racial and Ethnic Relations	
PSY 208	Psychobiology of Success	3	ANT 261	Technology in Society and Culture	
PSY 230	Introduction to Psychological Research	3	ANT 428	Human Paleopathology	
PSY 240	Introduction to Behavioral Research I	3	ANT 528	Human Paleopathology	
PSY 241	Introduction to Behavioral Research I Lab	1	GEO 220	Cultural Geography	
PSY 242	Introduction to Behavioral Research II	3	PS 432	Violence, Terrorism, and Public Policy	3
			REL 309	Religion and Society	

SOC 202	Principles of Sociology	3
SOC 203	Current Social Problems	3
SOC 203A	Current Social Problems	3
SOC 204	Sociology of Family	3
SOC 205	Jobs and Work	3
SOC 206	Social Deviance	3
SOC 207	Language and Society	3
SOC 211	Community and Health	3
SOC 212	Race in America	3
SOC 220	Cultural Geography	3
SOC 241	Sociology of Agriculture and Rural Society	3
SOC 241A	Sociology of Agriculture and Rural Society	3
SOC 295	Special Topics in Sociology	1-3
SOC 300	Social Research Methods	4
SOC 301	Human Behavior	3
SOC 304	Gender and Society	3
SOC 305	Racial and Ethnic Relations	3
SOC 306	Criminology	3
SOC 309	Religion and Society	3
SOC 311	Community Relationships	3
SOC 342	International Development	3
SOC 350	Food and Society	3
SOC 351	Population and Planning	3
SOC 381	Sociology of Medicine	3
SOC 395	Special Topics in Sociology	1-3
SOC 400	Theories of Social Structure	3
SOC 401	Theories of Social Interaction	3
SOC 402	Urban Sociology	3
SOC 404	Families and Work	3
SOC 405	Racism in the U.S.	3
SOC 407	Sociology of Sexualities	3
SOC 410	Sociology of Organizations	3
SOC 413	Criminal Justice Field Work	4
SOC 414	Social Class	3
SOC 418	Sociology of Education	3
SOC 425	Juvenile Delinquency	3
SOC 427	Sociology of Law	3
SOC 428	Formal Institutions of Social Control	3
SOC 429	Quantitative Data Analysis in Sociology	3
SOC 430	Community and Crime	3
SOC 440	Social Change	3
SOC 445	Inequality, Ideology, and Social Justice	3
SOC 450	Environmental Sociology	3
SOC 457	Corporate Power in America	3
SOC 465	Social Aspects of Mental Health	3
SOC 492	External Learning Experience	1-6
SOC 493	Special Problems in Sociology	1-6
SOC 495	Special Topics in Sociology	1-3
SOC 498	Independent Study in Sociology	1-6
SOC 508	Social Organization	3
SOC 509	Population Problems	3
SOC 514	Developing Societies	3

SOC 533	The Community	3
SOC 591	Special Topics In Sociology	1-6
WGS 204	Sociology of Family	
WGS 304	Gender and Society	
WGS 407	Sociology of Sexualities	
Multidisciplinary		
ENG 210	Introduction to Language and Linguistics	
GEO 220	Cultural Geography	
SOC 220	Cultural Geography	3
STS 402	Peace and War in the Nuclear Age	

Semester Sequence

This is a sample.

First Year

Fall Semester	Hours	
ENG 101	Academic Writing and Research ¹	4
GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		4
Social Sciences (p. 9)		3
Calculus (p. 2)		3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Hours		15

Spring Semester

GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		4
Social Sciences (p. 9)		3
GEP Mathematical Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/)		3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Free Elective		3
Hours		14

Second Year

Fall Semester

Literature (p. 8)		3
GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		4
LOG/MA 335	Symbolic Logic	3
Philosophy (p. 1)		3
Mathematics Elective		3
Hours		16

Spring Semester

GEP Natural Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/)		4
Arts and Letters (p. 5)		3
History (p. 7)		3
Social Sciences (p. 9)		3
PHI 301	Early Modern Philosophy	3
Hours		16

Third Year**Fall Semester**

PHI 494 or PHI 495	Research and Writing in Ethics or Research and Writing in History of Philosophy	1
Logic, Philosophy of Language, Cognition (p. 4)		3
Ethics Elective (p. 4)		3
Advanced Writing/Communication (p. 5)		3
Free Electives		4
Hours		14

Spring Semester

Philosophy or Logic Elective (p. 5)		3
Logic, Philosophy of Language, Cognition (p. 4)		3
History of Philosophy (p. 4)		3
Philosophy of Science (p. 4)		3
Advanced Science/Technology		3
Hours		15

Fourth Year**Fall Semester**

Advanced Science/Technology		6
PHI 496	Research and Writing in Contemporary Philosophy	1
Philosophy or Logic Elective (p. 5)		3
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Mathematical Sciences/Natural Sciences/Engineering)		3
Free Electives		2
Hours		15

Spring Semester

Advanced Science/Technology		6
PHI 497	Research and Writing in Logic, Representation and Reasoning	1
Free Electives		8
Hours		15
Total Hours		120

¹ A grade of C- or higher is required.