

# 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](https://philrel.chass.ncsu.edu/philosophy/philosophy_major.php)).

## Contact Person

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## Plan Requirements

Code	Title	Hours	Counts towards
<b>Mathematics</b>			
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 ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-mathematical-sciences/</a> ) list.			
<b>Basic Science</b>			
Basic Science (3 Different) (p. 2)		12	
Science Electives (p. 3)		4	
<b>Departmental Requirements</b>			
PHI 301	Early Modern Philosophy <sup>1</sup>	3	

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

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) <sup>2</sup>	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. 6) <sup>1</sup>	4
Philosophy	3
Any PHI course on the approved GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> ) list.	
Arts and Letters (p. 7)	3
History (p. 10)	3
Literature (p. 11)	3
Writing and Communication (p. 7)	3
Social Sciences (3 Different) (p. 13)	9

#### General Education Program (GEP) Courses

GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )	2
GEP US Diversity, Equity, and Inclusion ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/</a> )	3
GEP Global Knowledge ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/</a> ) (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) <sup>2</sup>	17
<b>Total Hours</b>	<b>120</b>

<sup>1</sup> A grade of C- or higher is required.

<sup>2</sup> 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	Counts towards
<b>Biological Sciences (Max: 4 Units )</b>			
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 100	Chemistry and Society	4
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
<b>Earth Sciences (Max: 4 Units )</b>		
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
PB 200	Plant Life	4
SSC 200	Soil Science	3
SSC 201	Soil Science Laboratory	1
<b>Physics (Max: 4 Units )</b>		
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	Counts towards
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	HS 304	Ornamental Plant Identification II	3
CH 103	General Chemistry I for Students in Chemical Sciences	3	MB 210	Phage Hunters	3
CH 104	General Chemistry Laboratory I for Students in Chemical Sciences	1	MB 211	Phage Genomics	2
CH 201	Chemistry - A Quantitative Science	3	MB 351	General Microbiology	3
CH 202	Quantitative Chemistry Laboratory	1	MEA 100	Earth System Science: Exploring the Connections	4
CH 203	General Chemistry II for Students in Chemical Sciences	3	MEA 101	Geology I: Physical	3
CH 204	General Chemistry Laboratory II for Students in Chemical Sciences	1	MEA 110	Geology I Laboratory	1
CH 220	Introductory Organic Chemistry	3	MEA 130	Introduction to Weather and Climate	3
CH 221	Organic Chemistry I	3	MEA 135	Introduction to Weather and Climate Laboratory	1
CH 222	Organic Chemistry I Lab	1	MEA 150	Environmental Issues in Water Resources	4
CS 213	Crop Science	3	MEA 200	Introduction to Oceanography	3
CS 312	Grassland Management for Natural Resources Conservation	3	MEA 202	Geology II: Historical	3
ENT 402	Forest Entomology	3	MEA 210	Oceanography Lab	1
ENT 425	General Entomology	3	MEA 211	Geology II Laboratory	1
FOR 252	Introduction to Forest Science	3	NSGE 295	Natural Sciences Special Topics	1-4
FOR 318	Forest Pathology	3	NSGK 295	Natural Sciences and Global Knowledge Special Topics	3
FOR 339	Dendrology	4	PB 200	Plant Life	4
FOR 402	Forest Entomology	3	PB 220	Local Flora	3
HS 301	Plant Propagation	4	PB 400	Plant Diversity and Evolution	4
HS 303	Ornamental Plant Identification I	3	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
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### 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
<b>Acad Writing Research</b>			
ENG 101	Academic Writing and Research	4	
FLE 101	Academic Writing and Research	4	
<b>Transfer Sequence</b>			
ENG 202	Disciplinary Perspectives in Writing	3	
ENG 1GEP		3	

## Writing and Communication

Code	Title	Hours	Counts towards
<b>Writing and Communication</b>			
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 Rhetorical Traditions	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	Counts towards
ADN 111	Introduction to Two-Dimensional Design	3	
ADN 112	Introduction to Three-Dimensional Design	3	
ADN 212	Photography I	3	
ADN 281	Drawing I	3	
ADN 414	Color and Light	3	
AFS 230	Introduction to African-American Music	3	
AFS 260	History of Jazz	3	
AFS 343	African American Religions	3	
AFS 346	Black Popular Culture	3	
AFS 375	African American Cinema	3	
ARC 140	Experiencing Architecture	3	

ARC 141	Introduction to Architectural History	3	
ARC 241	History of World Architecture	3	
ARS 251	The Arts of a World Capital: London	3	
ARS 252	The Arts of Vienna 1900	3	
ARS 257	Technology in the Arts	3	
ARS 258	Mathematics and Models in Music	3	
ARS 259	The Arts and Politics	3	
ARS 306	Music Composition with Computers	3	
ARS 346	Black Popular Culture	3	
ARS 351	Arts, Ideas and Values	3	
ARS 353	Arts and Cross-Cultural Contacts	3	
ARS 354	The Arts and the Sacred	3	
CLA 210	Classical Mythology	3	
COM 321	Survey of Rhetorical Theory	3	
COM 364	History of Film to 1940	3	
COM 374	History of Film From 1940	3	
COM 395	Studies in Rhetoric and Digital Media	3	
COM 411	Rhetorical Criticism	3	
D 231	Design History for Engineers and Scientists	3	
DAN 272	Dance Composition - Solo Forms	1	
DAN 295	Modern Dance Performance and Practice	2	
ENG 282	Introduction to Film	3	
ENG 289	Poetry Writing	3	
ENG 321	Survey of Rhetorical Theory	3	
ENG 323	Writing in Rhetorical Traditions	3	

ENG 359	Topics in Film Studies	3	HA 395	History of Art: Study Abroad	3
ENG 364	History of Film to 1940	3	HA 401	19th Century European Art from Revolution to Post-Impressionism	3
ENG 374	History of Film From 1940	3	HA 404	Italian Renaissance Art and Material Culture	3
ENG 375	African American Cinema	3	HA 410	History of the Art of Photography	3
ENG 378	Women & Film	3	HA 498	Independent Study in History of Art	1-6
ENG 382	Film and Literature	3	HESM 322	Dance and Society	3
ENG 384	Introduction to Film Theory	3	HESM 324	U.S. Concert Dance History	3
ENG 385	Biblical Backgrounds of English Literature	3	HESM 326	Current Trends in Dance	3
ENG 411	Rhetorical Criticism	3	HI 240	Introduction to Visual Culture	3
ENG 426	Analyzing Style	3	HI 320	Religion in American History	3
ENG 492	Special Topics in Film Styles and Genres	3	HI 402	Early Christianity to the Time of Eusebius	3
FL 216	Art and Society in France	3	HI 407	Islamic History to 1798	3
FLA 351	Modern Arab Popular Culture	3	HI 408	Islam in the Modern World	3
FLC 351	Modern Chinese Popular Culture	3	HI 502	Early Christianity to the Time of Eusebius	3
FLF 318	The Heritage of French Cinema	3	HI 507	Islamic History to 1798	3
FLG 318	New German Cinema and Beyond	3	HI 508	Islam in the Modern World	3
FLI 318	Italian Society Through Cinema	3	HON 390	Music and the Celtic World	3
FLR 318	Russian Cinema and Society	3	IDS 496	Topics in Film and Interdisciplinary Studies	3
FLS 360	Hispanic Cinema	3	LAR 444	History of Landscape Architecture	3
GD 203	History of Graphic Design	3	MUS 105	Introduction to Music in Western Society	3
GD 303	Graphic Design Theory and Practice	3	MUS 180	Introduction to Musical Experiences	3
HA 201	History of Art from Caves to the Renaissance	3	MUS 181	Exploring Music Theory	3
HA 202	History of Art From the Renaissance Through the 20th Century	3			
HA 203	History of American Art	3			
HA 240	Introduction to Visual Culture	3			
HA 298	Special Topics in Art History	3			



MUS 200	Understanding Music: Global Perspectives	3	REL 333	Chinese Religions	3
MUS 201	Introduction to Music Literature I	3	REL 334	Japanese Religions	3
MUS 202	Introduction to Music Literature II	3	REL 340	Islam	3
MUS 260	History of Jazz	3	REL 343	African American Religions	3
MUS 306	Music Composition with Computers	3	REL 350	Introduction to Judaism	3
MUS 310	Music of the 17th and 18th Centuries	3	REL 380	Emotion and Religion	3
MUS 315	Music of the 19th Century	3	REL 383	Religion, Globalism, and Justice	3
MUS 320	Music of the 20th-21st Centuries	3	REL 402	Early Christianity to the Time of Eusebius	3
MUS 330	Survey of Musical Theater	3	REL 407	Islamic History to 1798	3
MUS 350	Music of Asia	3	REL 408	Islam in the Modern World	3
MUS 360	Women In Music	3	REL 412	Advanced Readings in the Christian Gospels	3
REL 200	Introduction to the Study of Religion	3	REL 413	The Life and Letters of the Apostle Paul	3
REL 210	Religious Traditions of the World	3	REL 423	Religion and Politics in America	3
REL 298	Special Topics in Religious Studies	3	REL 424	Religion and Politics in Global Perspective	3
REL 309	Religion and Society	3	REL 471	Darwinism and Christianity	3
REL 311	Introduction to the Old Testament	3	REL 472	Women and Religion	3
REL 312	Introduction to the New Testament	3	REL 473	Religion, Gender, and Reproductive Technologies	3
REL 314	Introduction to Intertestamental Literature	3	REL 482	Religion and Conflict	3
REL 317	Christianity	3	REL 489	Interpretations of Religion	3
REL 320	Religion in American History	3	REL 496	Seminar in Religious Studies	3
REL 323	Religious Cults, Sects, and Minority Faiths in America	3	REL 498	Special Topics in Religious Studies	1-6
REL 327	Issues in Contemporary Religion	3	REL 502	Early Christianity to the Time of Eusebius	3
REL 331	The Hindu Tradition	3	REL 507	Islamic History to 1798	3
REL 332	The Buddhist Traditions	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 Theatre	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	Counts towards
<b>Literature List A</b>			
AFS/ENG 248	Survey of African-American Literature	3	
AFS/ENG 349	African Literature in English	3	
AFS 448/548/ ENG 448/548	African-American Literature	3	
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 392	Major World Author	3
ENG 393	Studies in Literary Genre	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	CLA 210	Classical Mythology	3
ENG 420	Major American Author	3	CLA 320	Masterpieces of Classical Literature	3
ENG 439	Studies in English Renaissance Literature	3	ENG/FL 219	Studies in Great Works of Non-Western Literature	3
ENG 451/551	Chaucer	3	ENG/FL 220	Studies in Great Works of Western Literature	3
ENG 452	Medieval British Literature	3	ENG/FL 221	Literature of the Western World I	3
ENG 453	Studies in Nineteenth-Century British Literature	3	ENG/FL 223	Contemporary World Literature I	3
ENG 460	Major British Author	3	ENG/FL 224	Contemporary World Literature II	3
ENG 462	18th-Century English Literature	3	ENG/FL 394	Studies in World Literature	3
ENG 463	The Victorian Period	3	ENG/FL 406	Modernism	3
ENG 464	British Literature and the Founding of Empire	3	ENG/FL 407	Postmodernism	3
ENG 465	British Literature and the Dissolution of Empire	3	FL 392	Major World Author	3
ENG 466	Transatlantic Literatures	3	FL 393	Studies in Literary Genre	3
ENG 468	Studies in Nineteenth-Century American Literature	3	FLF 301	Survey of French Literature from the Middle Ages through the Enlightenment	3
ENG 470	American Literature, Twentieth Century and Beyond	3	FLF 302	Survey of French Literature from Romanticism to the Contemporary Period	3
ENG 476	Southern Literature	3	FLF 492	Seminar in French Studies	3
ENG 481	History of the Book	3	FLG 320	Introduction to German Literature	3
ENG 482	Reading in the Digital Age	3	FLG 323	Twentieth Century German Literature	3
ENG 483	Literature and Media	3	FLG 325	German Lyric Poetry	3
ENG 486	Shakespeare, The Earlier Plays	3	FLJ 342	Classical Japanese Literature in Translation	3
ENG 487	Shakespeare, The Later Plays	3	FLJ 344	Early Modern Japanese Literature in Translation	3
ENG 490	Studies in Medieval Literature	3			

**Literature List B**

FLJ 345	Modern Japanese Literature in Translation	3
FLN 301	Twentieth Century Hindi & Urdu Fiction	3
FLN 302	Modern Hindi & Urdu Poetry	3
FLN 401	Hindi Literature and South Asian Cultural Contexts	3
FLR 303	Russian Literature in Translation: The Nineteenth Century	3
FLR 304	Russian Literature in Translation: The Twentieth Century	3
FLS 340	Introduction to Hispanic Literatures and Cultures	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 Counts towards**

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.

<b>Anthropology</b>		
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 524	Bioarchaeology	3
ANT 421	Human Osteology	3	ANT 528	Human Paleopathology	3
ANT 424	Bioarchaeology	3	ANT 529	Advanced Methods in Forensic Anthropology	4
ANT 427	Bioarchaeological Fieldwork	3	ANT 531	Tourism, Culture and Anthropology	3
ANT 428	Human Paleopathology	3	ANT 533	Anthropology of Ecotourism and Heritage Conservation	3
ANT 431	Tourism, Culture and Anthropology	3	ANT 544	Cross-Cultural Perspectives on Women	3
ANT 433	Anthropology of Ecotourism and Heritage Conservation	3	ANT 550	Culture, Ecology, and Sustainable Living	3
ANT 444	Cross-Cultural Perspectives on Women	3	ANT 560	Urban Anthropology	3
ANT 450	Culture, Ecology, and Sustainable Living	3	ANT 561	Wealth, Poverty and International Aid	3
ANT 460	Urban Anthropology	3	ANT 564	Anthropology of Religion	3
ANT 461	Wealth, Poverty and International Aid	3	ANT 571	Understanding Latino Migration	3
ANT 464	Anthropology of Religion	3	ANT 575	Environmental Archaeology	3
ANT 471	Understanding Latino Migration	3	ANT 583	Theories of Archaeological Research	3
ANT 475	Environmental Archaeology	3	ANT 585	Skeletal Biology in Anthropology	3
ANT 483	Theories of Archaeological Research	3	ANT 587	Cultural Resource Management	3
ANT 495	Special Topics in Anthropology	3	ANT 595	Special Topics in Anthropology	1-6
ANT 496	Anthropology Internship	6	ANT 598	Independent Study in ANT	1-3
ANT 498	Independent Study in Anthropology	1-6	FLJ 351	Contemporary Culture in Japan	3
ANT 501	Proseminar: Introduction to Graduate Studies in Anthropology	3	HI 587	Cultural Resource Management	
ANT 511	Overview of Anthropological Theory	3	IS 471	Understanding Latino Migration	3
ANT 512	Applied Anthropology	3	IS 571	Understanding Latino Migration	
ANT 516	Research Methods in Cultural Anthropology	3	SOC 261	Technology in Society and Culture	
ANT 521	Human Osteology	3	WGS 444	Cross-Cultural Perspectives on Women	

WGS 544	Cross-Cultural Perspectives on Women		ARE 336	Introduction to Resource and Environmental Economics	3
<b>Agricultural Economics</b>			ARE 345	Global Agribusiness Management	3
ARE 121	Agricultural Finance	3	ARE 370	Agribusiness New Venture Development	3
ARE 201	Introduction to Agricultural & Resource Economics	3	ARE 395	Special Topics in Agricultural and Resource Economics (300 level)	1-6
ARE 201A	Introduction to Agricultural & Resource Economics	3	ARE 404	Advanced Agribusiness Management	3
ARE 215	Small Business Accounting	3	ARE 412	Advanced Agribusiness Marketing	3
ARE 260	Marketing and Risk Management in the Pork Industry	1	ARE 413	Applied Agribusiness Marketing	3
ARE 270	Principles of Agribusiness Entrepreneurship	3	ARE 415	Introduction to Commodity Futures Markets	3
ARE 290	Professional Development in Agricultural Business Management	3	ARE 420	Taxation in Agriculture, Production, and Agribusiness	3
ARE 295	Special Topics in Agricultural & Resource Economics (200 Level)	1-6	ARE 425	Contracts and Organizations in Agriculture	3
ARE 301	Intermediate Microeconomics	3	ARE 433	U.S. Agricultural Policy	3
ARE 303	Farm Management	3	ARE 444	Ethics in Agribusiness	3
ARE 304	Agribusiness Management	3	ARE 448	International Agricultural Trade	3
ARE 306	Agricultural Law	3	ARE 455	Agribusiness Analytics	3
ARE 309	Environmental Law & Economic Policy	3	ARE 470	Agribusiness Entrepreneurship Clinical Skills Development	3
ARE 311	Agricultural Markets	3	ARE 475	Food Policy	3
ARE 312	Agribusiness Marketing	3	ARE 490	Career Seminar in Agriculture & Resource Economics	1
ARE 321	Agricultural Financial Management	3	ARE 492	External Learning Experience	1-6
ARE 323	Agribusiness Finance	3	ARE 493	Special Problems/ Research Exploration	1-6
ARE 332	Human Resource Management for Agribusiness	3			

ARE 494	Agribusiness Study Abroad	1-6	EC 498	Independent Study in Economics	1-6
ARE 495	Special Topics in Agricultural and Resource Economics	1-6	<b>Political Science</b>		
ARE 590	Special Topics in ARE	1-99	AFS 409	Black Political Participation in America	3
EC 301	Intermediate Microeconomics	3	LPS 315	Public Leadership	3
EC 336	Introduction to Resource and Environmental Economics		PS 101	Internet Research	1
<b>Economics</b>			PS 102	Data Analysis	1
ARE 301	Intermediate Microeconomics	3	PS 103	Designing Political Web Pages	1
ARE 336	Introduction to Resource and Environmental Economics	3	PS 201	American Politics and Government	3
EC 201	Principles of Microeconomics	3	PS 202	State and Local Government	3
EC 202	Principles of Macroeconomics	3	PS 203	Introduction to Nonprofits	3
EC 205	Fundamentals of Economics	3	PS 204	Problems of American Democracy	3
EC 302	Intermediate Macroeconomics	3	PS 231	Introduction to International Relations	3
EC 305	A Closer Look at Capitalism	3	PS 236	Issues in Global Politics	3
EC 348	Introduction to International Economics	3	PS 241	Introduction to Comparative Politics	3
EC 351	Econometrics I	3	PS 298	Special Topics in Political Science	1-6
EC 404	Money, Financial Markets, and the Economy	3	PS 301	The Presidency and Congress	3
EC 410	Public Finance	3	PS 302	Campaigns and Elections in the US Political System	3
EC 413	Industrial Organization	3	PS 303	Race in U.S. Politics	3
EC 431	Labor Economics	3	PS 305	The Justice System in the American Political Process	3
EC 449	International Finance	3	PS 306	Gender and Politics in the United States	3
EC 451	Econometrics II	3	PS 307	Introduction to Criminal Law in the United States	3
EC 468	Game Theory	3	PS 308	Supreme Court and Public Policy	3
EC 474	Economics of Financial Institutions and Markets	3	PS 309	Equality and Justice in United States Law	3
EC 490	Research Seminar in Economics	3			
EC 495	Special Topics in Economics	1-6			



PS 310	Public Policy	3	PS 431	The United Nations and Global Order	3
PS 312	Introduction to Public Administration	3	PS 432	Violence, Terrorism, and Public Policy	3
PS 313	Criminal Justice Policy	3	PS 433	Global Problems and Policies	3
PS 314	Science, Technology and Public Policy	3	PS 437	U.S. National Security Policy	3
PS 320	U.S. Environmental Law and Politics	3	PS 443	Seminar in Latin American & Caribbean Politics	3
PS 331	U.S. Foreign Policy	3	PS 445	Comparative Systems of Law and Justice	3
PS 335	International Law	3	PS 462	Seminar in Political Theory	3
PS 336	Global Environmental Politics	3	PS 463	Public Choice and Political Institutions	3
PS 339	Politics of the World Economy	3	PS 464	The Classical Liberal Tradition	3
PS 341	European Politics	3	PS 471	Public Opinion Research Methodology	3
PS 342	Politics of China and Japan	3	PS 490	Readings and Research in Political Science	1-6
PS 343	Government and Politics in South Asia	3	PS 492	Honors Readings and Thesis in Political Science	1-6
PS 345	Governments and Politics in the Middle East	3	PS 498	Special Topics in Political Science	1-6
PS 353	Issues in Latin American and Caribbean Politics	3	PS 502	The Legislative Process	3
PS 361	Introduction to Political Theory	3	PS 506	United States Constitutional Law	3
PS 362	American Political Thought	3	PS 507	Civil Liberties In the United States	3
PS 371	Research Methodology of Political Science	3	PS 530	Seminar In International Relations	3
PS 391	Internship in Political Science	1-6	PS 531	International Law	3
PS 398	Special Topics in Political Science	3	PS 532	Seminar in Global Governance	3
PS 401	American Political Parties	3	PS 533	Global Problems and Policy	3
PS 409	Black Political Participation in America	3	PS 534	The Politics of Human Rights Policies	3
PS 411	Public Opinion and the Media in American Politics	3	PS 536	Global Environmental Law and Policy	3
PS 415	Administration of Justice	3			
PS 418	Gender Law and Policies	3			

PS 539	International Political Economy	3	EDP 582	Adolescent Development	
PS 540	Seminar In Comparative Politics	3	ISE 540	Human Factors In Systems Design	3
PS 541	Political Islam	3	PHI 425	Introduction to Cognitive Science	3
PS 542	European Politics	3	PHI 525	Introduction To Cognitive Science	3
PS 543	Seminar in Latin American & Caribbean Politics	3	PSY 200	Introduction to Psychology	3
PS 544	Contemporary African Politics	3	PSY 208	Psychobiology of Success	3
PS 545	Comparative Systems of Law and Justice	3	PSY 230	Introduction to Psychological Research	3
PS 546	The Politics of East Asia	3	PSY 240	Introduction to Behavioral Research I	3
PS 547	Russian Politics	3	PSY 241	Introduction to Behavioral Research I Lab	1
PS 560	Nuclear Nonproliferation Policy & Process	3	PSY 242	Introduction to Behavioral Research II	3
PS 561	Nuclear Strategy and Nonproliferation	3	PSY 243	Introduction to Behavioral Research II Lab	2
PS 571	Research Methods and Analysis	3	PSY 307	Industrial and Organizational Psychology	3
PS 585	Constitutional and Legal Principles for Police Supervisors	3	PSY 311	Social Psychology	3
PS 590	Special Topics	1-6	PSY 312	Applied Psychology	3
PS 598	Special Topics In Political Science	1-6	PSY 313	Positive Psychology	3
SOC 413	Criminal Justice Field Work		PSY 340	Human Factors Psychology	3
SOC 432	Violence, Terrorism, and Public Policy		PSY 345	Psychology and the African American Experience	3
WGS 306	Gender and Politics in the United States	3	PSY 360	Community Psychology Principles and Practice	3
WGS 418	Gender Law and Policies	3	PSY 370	Personality	3
<b>Psychology</b>			PSY 376	Developmental Psychology	3
AFS 345	Psychology and the African American Experience		PSY 400	Perception	3
EDP 304	Educational Psychology	3	PSY 406	Psychology of Gender	3
EDP 476	Psychology of Adolescent Development		PSY 410	Learning and Motivation	3

PSY 411	The Psychology of Interdependence and Race	3	PSY 541	Overview of Human Factors Psychology	3
PSY 416	Psychology of Emotion	3	PSY 558	Psychology and the African Experience	3
PSY 420	Cognitive Processes	3	PSY 582	Adolescent Development	3
PSY 425	Introduction to Cognitive Science	3	PSY 584	Advanced Developmental Psychology	3
PSY 430	Biological Psychology	3	PSY 590	Special Topics in Psychology	3
PSY 431	Health Psychology	3	PSY 591	History and Systems Of Psychology	1-3
PSY 436	Introduction to Psychological Measurement	3	WGS 406	Psychology of Gender	3
PSY 465	Advanced Methods in Psychology	3	<b>Sociology</b>		
PSY 470	Abnormal Psychology	3	AFS 305	Racial and Ethnic Relations	3
PSY 475	Child Psychology	3	ANT 261	Technology in Society and Culture	
PSY 476	Psychology of Adolescent Development	3	ANT 428	Human Paleopathology	3
PSY 491	Special Topics in Psychology	3	ANT 528	Human Paleopathology	3
PSY 495	Community-Based Applied Psychology	4	GEO 220	Cultural Geography	3
PSY 498	Psychology Honors Seminar	3	PS 432	Violence, Terrorism, and Public Policy	3
PSY 499	Individual Study in Psychology	1-6	REL 309	Religion and Society	3
PSY 500	Visual Perception	3	SOC 202	Principles of Sociology	3
PSY 502	Physiological Psychology	3	SOC 203	Current Social Problems	3
PSY 504	Evolutionary Psychology	3	SOC 203A	Current Social Problems	3
PSY 508	Cognitive Processes	3	SOC 204	Sociology of Family	3
PSY 510	Advanced Problems In Psychology	1-3	SOC 205	Jobs and Work	3
PSY 511	Advanced Social Psychology	3	SOC 206	Social Deviance	3
PSY 525	Introduction To Cognitive Science	3	SOC 207	Language and Society	3
PSY 535	Forensic Psychology	3	SOC 211	Community and Health	3
PSY 540	Human Factors In Systems Design	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 445	Inequality, Ideology, and Social Justice	3
SOC 295	Special Topics in Sociology	1-3	SOC 450	Environmental Sociology	3
SOC 300	Social Research Methods	4	SOC 457	Corporate Power in America	3
SOC 301	Human Behavior	3	SOC 465	Social Aspects of Mental Health	3
SOC 304	Gender and Society	3	SOC 492	External Learning Experience	1-6
SOC 305	Racial and Ethnic Relations	3	SOC 493	Special Problems in Sociology	1-6
SOC 306	Criminology	3	SOC 495	Special Topics in Sociology	1-3
SOC 309	Religion and Society	3	SOC 498	Independent Study in Sociology	1-6
SOC 311	Community Relationships	3	SOC 508	Social Organization	3
SOC 342	International Development	3	SOC 509	Population Problems	3
SOC 350	Food and Society	3	SOC 514	Developing Societies	3
SOC 351	Population and Planning	3	SOC 533	The Community	3
SOC 381	Sociology of Medicine	3	SOC 591	Special Topics In Sociology	1-6
SOC 395	Special Topics in Sociology	1-3	WGS 204	Sociology of Family	3
SOC 400	Theories of Social Structure	3	WGS 304	Gender and Society	3
SOC 401	Theories of Social Interaction	3	WGS 407	Sociology of Sexualities	
SOC 402	Urban Sociology	3	<b>Multidisciplinary</b>		
SOC 404	Families and Work	3	ENG 210	Introduction to Language and Linguistics	3
SOC 405	Racism in the U.S.	3	GEO 220	Cultural Geography	3
SOC 407	Sociology of Sexualities	3	SOC 220	Cultural Geography	3
SOC 410	Sociology of Organizations	3	STS 402	Peace and War in the Nuclear Age	
SOC 413	Criminal Justice Field Work	4	<b>Semester Sequence</b>		
SOC 414	Social Class	3	This is a sample.		
SOC 418	Sociology of Education	3	<b>First Year</b>		
SOC 425	Juvenile Delinquency	3	<b>Fall Semester</b>		<b>Hours</b>
SOC 427	Sociology of Law	3	ENG 101	Academic Writing and Research <sup>1</sup>	4
SOC 428	Formal Institutions of Social Control	3	GEP Natural Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/</a> )		4
SOC 429	Quantitative Data Analysis in Sociology	3	Social Sciences (p. 13)		3
SOC 430	Community and Crime	3	Calculus (p. 2)		3
SOC 440	Social Change	3			

GEP Health and Exercise Studies (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/>) 1

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**Hours** **15**

### Spring Semester

GEP Natural Sciences (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/>) 4

Social Sciences (p. 13) 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

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**Hours** **14**

### Second Year

#### Fall Semester

Literature (p. 11) 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

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**Hours** **16**

#### Spring Semester

GEP Natural Sciences (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-natural-sciences/>) 4

Arts and Letters (p. 7) 3

History (p. 10) 3

Social Sciences (p. 13) 3

PHI 301 Early Modern Philosophy 3

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**Hours** **16**

### Third Year

#### Fall Semester

PHI 494 Research and Writing in Ethics 1  
or PHI 495 or Research and Writing in History of  
Philosophy

Logic, Philosophy of Language, Cognition (p. 5) 3

Ethics Elective (p. 5) 3

Advanced Writing/Communication (p. 7) 3

Free Electives 4

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**Hours** **14**

#### Spring Semester

Philosophy or Logic Elective (p. 6) 3

Logic, Philosophy of Language, Cognition (p. 5) 3

History of Philosophy (p. 5) 3

Philosophy of Science (p. 6) 3

Advanced Science/Technology 3

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**Hours** **15**

### Fourth Year

#### Fall Semester

Advanced Science/Technology 6

PHI 496 Research and Writing in Contemporary  
Philosophy 1

Philosophy or Logic Elective (p. 6) 3

GEP US Diversity, Equity, and Inclusion (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/>) 3

Free Electives 2

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**Hours** **15**

### Spring Semester

Advanced Science/Technology 6

PHI 497 Research and Writing in Logic,  
Representation and Reasoning 1

Free Electives 8

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**Hours** **15**

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**Total Hours** **120**

<sup>1</sup> A grade of C- or higher is required.