

# Science, Technology and Society (BS)

The Science, Technology, and Society (STS) curriculum seeks to explore the myriad of ways in which science and technology shape our society. The only program of its kind in North Carolina, the core courses of STS aim to understand the connections between science, technology, economics and commerce, domestic policy and international relations, the environment, health and medicine, and other crucial areas inform basic questions of equity, justice, and sustainability. With these connections in mind, STS students examine how science and technology emerge, how they engage with society, how they change through social processes, and how society changes under their influence.

## Plan Requirements

Code	Title	Hours	Counts towards
<b>Basic Science</b>			
	Basic Sciences (p. 1)	12	
	Science Elective (p. 2)	4	
<b>Mathematics</b>			
	Calculus (p. 4)	3	
	Math Elective (p. 4)	3	
<b>Advanced Sciences/Technology Requirement</b>			
	Advanced Sciences/Technology Requirement <sup>2</sup>	15	
<b>Departmental Requirements</b>			
	Statistics Elective (p. 8)	3	
STS 214	Introduction to Science, Technology, and Society <sup>1</sup>	3	
STS 403	Seminar in Science, Technology, and Society <sup>1</sup>	3	
	Breadth (p. 9) <sup>1</sup>	12	
	Specialty <sup>1,2,3</sup>	15	
<b>Humanities and Social Sciences</b>			
	Acad Writing Research (p. 10) <sup>1</sup>	4	
	Philosophy (p. 10)	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. 11)	3	
	History (p. 14)	3	
	Literature (p. 14)	3	
	Writing and Communication (p. 10)	3	
	Social Science (3 Different) (p. 17)	9	
<b>GEP Courses</b>			

GEP Health and Exercise Studies (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/>) 2

GEP Elective (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/>) 3

GEP Interdisciplinary Perspectives (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/>) 2

GEP Global Knowledge (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/>) (verify requirement) 3

World Language Proficiency (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/>) (verify requirement) 2

### Free Electives

Free Electives (12 Hr S/U Lmt)<sup>2</sup> 12

**Total Hours 120**

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

<sup>2</sup> Students should consult their academic advisors to determine which courses fill this requirement.

<sup>3</sup> In consultation with the STS Program Director or an Academic Advisor, every STS major designs a STS Specialty, 12 credit hours, that addresses a coherent theme related to science, technology and society. At least two of the STS Specialty courses must be offered by the departments or programs in the College of Humanities and Social Sciences. STS Specialty includes courses typically at the 300- and 400- or higher levels and no more than one course at the 200-level. 100-level courses are not permitted in the STS specialty.

\* **Major Residency Requirement:** At least 18 of the 30 credits in the major (departmental requirements) must be completed following admission to the program. Maximum 15 hours of external transfer credit may be applied towards the major (departmental requirements). **Major Grade Point Average (MGPA) Requirements:** 2.0 major GPA is required for graduation. See departmental or College for information regarding mgpa calculation.

## 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		3	
BIO 141		1	

BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
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BIO 183	Introductory Biology: Cellular and Molecular Biology	4
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**Chemistry (Max: 4 Units )**

CH 100	Chemistry and Society	4
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CH 101	Chemistry - A Molecular Science	3
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CH 102	General Chemistry Laboratory	1
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CH 201	Chemistry - A Quantitative Science	3
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CH 202	Quantitative Chemistry Laboratory	1
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**Earth Sciences (Max: 4 Units )**

MEA 100	Earth System Science: Exploring the Connections	4
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MEA 101	Geology I: Physical	3
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MEA 110	Geology I Laboratory	1
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MEA 130	Introduction to Weather and Climate	3
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MEA 135	Introduction to Weather and Climate Laboratory	1
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MEA 150	Environmental Issues in Water Resources	4
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MEA 200	Introduction to Oceanography	3
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MEA 202	Geology II: Historical	3
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MEA 210	Oceanography Lab	1
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MEA 211	Geology II Laboratory	1
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PB 200	Plant Life	4
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SSC 200	Soil Science	3
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SSC 201	Soil Science Laboratory	1
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**Physics (Max: 4 Units )**

PY 123	Stellar and Galactic Astronomy	3
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PY 124	Solar System Astronomy	3
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PY 125	Astronomy Laboratory	1
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PY 131	Conceptual Physics	4
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PY 201	University Physics I	4
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PY 202	University Physics II	4
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PY 203	University Physics III	4
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PY 205	Physics for Engineers and Scientists I	3
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PY 206	Physics for Engineers and Scientists I Laboratory	1
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PY 208	Physics for Engineers and Scientists II	3
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PY 209	Physics for Engineers and Scientists II Laboratory	1
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PY 211	College Physics I	4
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PY 212	College Physics II	4
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**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		3	
BIO 141		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
CH 220	Introductory Organic Chemistry	3
CH 221	Organic Chemistry I	3
CH 222	Organic Chemistry I Lab	1
CS 213	Crop Science	3
CS 312		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		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		3
TMS 211	Introduction to Fiber Science	3

## 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	

## Math Elective

Code	Title	Hours	Counts towards
BMA 573	Mathematical Modeling of Physical and Biological Processes I	3	
BMA 574	Mathematical Modeling of Physical and Biological Processes II	3	
BUS 350	Economics and Business Statistics	3	
CSC 414	Foundations of Cryptography	3	
CSC 416	Introduction to Combinatorics	3	
CSC 427	Introduction to Numerical Analysis I	3	
CSC 428	Introduction to Numerical Analysis II	3	
CSC 442	Introduction to Data Science	3	
CSC 514	Foundations of Cryptography	3	
CSC 565	Graph Theory	3	
CSC 580	Numerical Analysis I	3	
CSC 583	Introduction to Parallel Computing	3	
E 531	Dynamic Systems and Multivariable Control I	3	
EC 351	Econometrics I	3	
ECG/FIM/MA 528	Options and Derivatives Pricing	3	
ECG 561	Applied Econometrics I	3	
EMS 519	Teaching and Learning of Statistical Thinking	3	
FIM 547	Stochastic Calculus for Finance	3	
FIM 548	Monte Carlo Methods for Financial Math	3	
FIM 549	Financial Risk Analysis	3	

GPH 404	Epidemiology and Statistics in Global Public Health	3	MA 408	Foundations of Euclidean Geometry	3
ISE 505	Linear Programming	3	MA 410	Theory of Numbers	3
LOG 335	Symbolic Logic	3	MA 412	Long-Term Actuarial Models	3
MA 114	Introduction to Finite Mathematics with Applications	3	MA 413	Short-Term Actuarial Models	3
MA 225	Foundations of Advanced Mathematics	3	MA 414	Foundations of Cryptography	3
MA 231	Calculus for Life and Management Sciences B	3	MA 416	Introduction to Combinatorics	3
MA 241	Calculus II	4	MA 421	Introduction to Probability	3
MA 242	Calculus III	4	MA 425	Mathematical Analysis I	3
MA 302	Numerical Applications to Differential Equations	1	MA 426	Mathematical Analysis II	3
MA 305	Introductory Linear Algebra and Matrices	3	MA 427	Introduction to Numerical Analysis I	3
MA 315	Mathematics Methods in Atmospheric Sciences	4	MA 428	Introduction to Numerical Analysis II	3
MA 325	Introduction to Applied Mathematics	3	MA 430	Mathematical Models in the Physical Sciences	3
MA 331	Differential Equations for the Life Sciences	3	MA 432	Mathematical Models in Life Sciences	3
MA 335	Symbolic Logic	3	MA 437	Applications of Algebra	3
MA 341	Applied Differential Equations I	3	MA 444	Problem Solving Strategies for Competitions	1
MA 351	Introduction to Discrete Mathematical Models	3	MA 450	Methods of Applied Mathematics I	3
MA 402	Mathematics of Scientific Computing	3	MA 451	Methods of Applied Mathematics II	3
MA 402	Mathematics of Scientific Computing	3	MA 491	Reading in Honors Mathematics	1-6
MA 403	Introduction to Modern Algebra	3	MA 493	Special Topics in Mathematics	1-6
MA 405	Introduction to Linear Algebra	3	MA 494	Major Paper in Mathematics	1
MA 407	Introduction to Modern Algebra for Mathematics Majors	3	MA 499	Independent Research in Mathematics	1-6
			MA 501	Advanced Mathematics for Engineers and Scientists I	3

MA 502	Advanced Mathematics for Engineers and Scientists II	3	MA 542	Convex Optimization Methods in Data Science	3
MA 504	Introduction to Mathematical Programming	3	MA 544	Computer Experiments In Mathematical Probability	3
MA 505	Linear Programming	3	MA 546	Probability and Stochastic Processes I	3
MA 507	Survey of Real Analysis	3	MA 547	Stochastic Calculus for Finance	3
MA 508	Survey of Geometry	3	MA 549	Financial Risk Analysis	3
MA 509	Survey of Abstract Algebra	3	MA 551	Introduction to Topology	3
MA 510	Selected Topics In Mathematics For Secondary Teachers	1-6	MA 555	Introduction to Manifold Theory	3
MA 511	Advanced Calculus I	3	MA 561	Set Theory and Foundations Of Mathematics	3
MA 513	Introduction To Complex Variables	3	MA 565	Graph Theory	3
MA 514	Foundations of Cryptography	3	MA 573	Mathematical Modeling of Physical and Biological Processes I	3
MA 515	Analysis I	3	MA 574	Mathematical Modeling of Physical and Biological Processes II	3
MA 518	Geometry of Curves and Surfaces	3	MA 580	Numerical Analysis I	3
MA 520	Linear Algebra	3	MA 583	Introduction to Parallel Computing	3
MA 521	Abstract Algebra I	3	MA 584	Numerical Solution of Partial Differential Equations--Finite Difference Methods	3
MA 522	Computer Algebra	3	MA 587	Numerical Solution of Partial Differential Equations--Finite Element Method	3
MA 523	Linear Transformations and Matrix Theory	3	MA 591	Special Topics	1-6
MA 524	Combinatorics I	3	MA 726	Algebraic Geometry	3
MA 531	Dynamic Systems and Multivariable Control I	3	MEA 315	Mathematics Methods in Atmospheric Sciences	4
MA 532	Ordinary Differential Equations I	3			
MA 534	Introduction To Partial Differential Equations	3			
MA 537	Nonlinear Dynamics and Chaos	3			
MA 540	Uncertainty Quantification for Physical and Biological Models	3			

OR 504	Introduction to Mathematical Programming	3	ST 431	Introduction to Experimental Design	3
OR 505	Linear Programming	3	ST 432	Introduction to Survey Sampling	3
OR 531	Dynamic Systems and Multivariable Control I	3	ST 434	Applied Time Series	3
OR 565	Graph Theory	3	ST 435	Statistical Methods for Quality and Productivity Improvement	3
ST 307	Introduction to Statistical Programming- SAS	1	ST 437	Applied Multivariate and Longitudinal Data Analysis	3
ST 308	Introduction to Statistical Programming - R	1	ST 440	Applied Bayesian Analysis	3
ST 311	Introduction to Statistics	3	ST 442	Introduction to Data Science	3
ST 312	Introduction to Statistics II	3	ST 445	Introduction to Statistical Computing and Data Management	3
ST 350	Economics and Business Statistics	3	ST 446	Intermediate SAS Programming with Applications	3
ST 370	Probability and Statistics for Engineers	3	ST 491	Statistics in Practice	3
ST 371	Introduction to Probability and Distribution Theory	3	ST 495	Special Topics in Statistics	1-6
ST 372	Introduction to Statistical Inference and Regression	3	ST 497	Professional Experience in Statistics	1-3
ST 401	Experiences in Data Analysis	4	ST 498	Independent Study In Statistics	1-6
ST 404	Epidemiology and Statistics in Global Public Health	3	ST 499	Research Experience in Statistics	1-3
ST 405	Applied Nonparametric Statistics	3	ST 501	Fundamentals of Statistical Inference I	3
ST 412	Long-Term Actuarial Models	3	ST 502	Fundamentals of Statistical Inference II	3
ST 413	Short-Term Actuarial Models	3	ST 503	Fundamentals of Linear Models and Regression	3
ST 421	Introduction to Mathematical Statistics I	3	ST 505	Applied Nonparametric Statistics	3
ST 422	Introduction to Mathematical Statistics II	3	ST 507	Statistics For the Behavioral Sciences I	3
ST 430	Introduction to Regression Analysis	3			

ST 511	Statistical Methods For Researchers I	3
ST 512	Statistical Methods For Researchers II	3
ST 513	Statistics for Management and Social Sciences I	3
ST 514	Statistics For Management and Social Sciences II	3
ST 515	Experimental Statistics for Engineers I	3
ST 516	Experimental Statistics For Engineers II	3
ST 517	Applied Statistical Methods I	3
ST 518	Applied Statistical Methods II	3
ST 519	Teaching and Learning of Statistical Thinking	3
ST 520	Statistical Principles of Clinical Trials	3
ST 525	Statistics and Computing for Agricultural Data Science	3
ST 531	Experimental Design	3
ST 533	Applied Spatial Statistics	3
ST 534	Applied Time Series	3
ST 535	Statistical Methods for Quality and Productivity Improvement	3
ST 537	Applied Multivariate and Longitudinal Data Analysis	3
ST 540	Applied Bayesian Analysis	3
ST 542	Statistical Practice	3
ST 544	Applied Categorical Data Analysis	3
ST 546	Probability and Stochastic Processes I	3

ST 555	Statistical Programming I	3
ST 556	Statistical Programming II	3
ST 558	Data Science for Statisticians	3
ST 561	Applied Econometrics I	3
ST 562	Data Mining with SAS Enterprise Miner	3
ST 563	Introduction to Statistical Learning	3
ST 590	Special Topics	1-6
ST 701	Statistical Theory I	3
ST 702	Statistical Theory II	3
ST 705	Linear Models and Variance Components	3

### Statistics Elective

Code	Title	Hours	Counts towards
BUS 350	Economics and Business Statistics	3	
EC 351	Econometrics I	3	
ST 307	Introduction to Statistical Programming-SAS	1	
ST 308	Introduction to Statistical Programming - R	1	
ST 311	Introduction to Statistics	3	
ST 312	Introduction to Statistics II	3	
ST 350	Economics and Business Statistics	3	
ST 370	Probability and Statistics for Engineers	3	
ST 371	Introduction to Probability and Distribution Theory	3	
ST 372	Introduction to Statistical Inference and Regression	3	



**Breadth**

Code	Title	Hours	Counts towards
<b>History</b>			
HI 321	Scientific Revolution and European Society, 1500-1800	3	
HI 322	Rise of Modern Science	3	
HI 323	Science, American Style	3	
HI 341	Technology in History	3	
HI 344	Dinomania: Dinosaurs in Culture and Science	3	
HI 360	U.S. Agricultural History	3	
HI 440	American Environmental History	3	
HI 481/581	History of the Life Sciences	3	
HI 482/582	Darwinism in Science and Society	3	
HI 483/583	Science and Religion in European History	3	
HI 484	Science in European Culture	3	
HI 485/585	History of American Technology	3	
HI 486/586	Science and Empire	3	
<b>Philosophy of Science and Ethics</b>			
PHI 325	Bio-Medical Ethics	3	
PHI 340	Philosophy of Science	3	
PHI 440	The Scientific Method	3	
REL/STS 471	Darwinism and Christianity	3	
STS 304	Ethical Dimensions of Progress	3	
STS 325	Bio-Medical Ethics	3	
<b>Assessment and Policy</b>			
E 497	Engineering Research Projects	1-3	

GN 301	Genetics in Human Affairs	3
IDS 303	Humans and the Environment	3
NR 303	Humans and the Environment	3
NR 406	Conservation of Biological Diversity	3
PS 314	Science, Technology and Public Policy	3
PS 320	U.S. Environmental Law and Politics	3
PS 336	Global Environmental Politics	3
SOC 450	Environmental Sociology	3
STS 322	Technological Catastrophes	3
STS 323	World Population and Food Prospects	3
STS 402	Peace and War in the Nuclear Age	3
<b>Other STS Courses</b>		
ANT 253	Unearthing the Past: Introduction to World Archaeology	3
ANT 261	Technology in Society and Culture	3
ARS 257	Technology in the Arts	3
COM 289	Science Communication and Public Engagement	3
COM 447	Communication and Globalization	3
COM 487	Internet and Society	3
ENG 323	Writing in Rhetorical Traditions	3
ENG 376	Science Fiction	3
ENG 425	Analysis of Scientific and Technical Writing	3
ENG 520	Science Writing for the Media	3
SOC 261	Technology in Society and Culture	3

SOC 381	Sociology of Medicine	3
STS 210	Women and Gender in Science and Technology	3
STS 257	Technology in the Arts	3
STS 301	Science and Civilization	3
STS 302	Contemporary Science, Technology and Human Values	3
STS 491	Independent Study in Science, Technology, and Society	3
WGS 210	Women and Gender in Science and Technology	3
WGS 370	Advanced Studies of Gender in Science	3

## Acad Writing Research

Code	Title	Hours	Counts towards
<b>Acad Writing Research</b>			
ENG 101	Academic Writing and Research	4	
WLEN 101	Academic Writing and Research	4	
<b>Transfer Sequence</b>			
ENG 1GEP		3	
ENG 202	Disciplinary Perspectives in Writing	3	

## Writing and Communication

Code	Title	Hours	Counts towards
ENG 331	Communication for Engineering and Technology	3	
ENG 332	Communication for Business and Management	3	
ENG 333	Communication for Science and Research	3	

## Philosophy

Code	Title	Hours	Counts towards
PHI 205	Introduction to Philosophy	3	

PHI 210	Representation, Reason and Reality	3
PHI 214	Issues in Business Ethics	3
PHI 221	Contemporary Moral Issues	3
PHI 227	Data Ethics	3
PHI 300	Ancient Philosophy	3
PHI 301	Early Modern Philosophy	3
PHI 302	19th Century Philosophy	3
PHI 303	Continental Philosophy After 1900	3
PHI 305	Philosophy of Religion	3
PHI 309	Political Philosophy	3
PHI 310	Existentialism	3
PHI 312	Philosophy of Law	3
PHI 313	Ethical Problems in the Law	3
PHI 319	Black Political Philosophy	3
PHI 320	Philosophy of Race	3
PHI 325	Bio-Medical Ethics	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 375	Ethics	3
PHI 376	History of Ethics	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
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## 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	
COM 321	Survey of Rhetorical Theory	3	

COM 364	History of Film to 1940	3
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COM 374	History of Film From 1940	3
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COM 395	Studies in Rhetoric and Digital Media	3
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COM 411	Rhetorical Criticism	3
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D 231	Design History for Engineers and Scientists	3
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DAN 272	Dance Composition - Solo Forms	1
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DAN 295	State Dance Company	2
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ENG 282	Introduction to Film	3
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ENG 289	Poetry Writing	3
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ENG 321	Survey of Rhetorical Theory	3
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ENG 323	Writing in Rhetorical Traditions	3
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ENG 359	Topics in Film Studies	3
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ENG 364	History of Film to 1940	3
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ENG 374	History of Film From 1940	3
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ENG 375	African American Cinema	3
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ENG 378	Women & Film	3
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ENG 382	Film and Literature	3
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ENG 384	Introduction to Film Theory	3
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ENG 385	Biblical Backgrounds of English Literature	3
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ENG 411	Rhetorical Criticism	3
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ENG 426	Analyzing Style	3
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ENG 492	Special Topics in Film and Media Studies	3
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GD 203	History of Graphic Design	3
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GD 303	Graphic Design Theory and Practice	3
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HA 201	History of Art from Caves to the Renaissance	3
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HA 202	History of Art From the Renaissance Through the 20th Century	3	LAR 444	History of Landscape Architecture	3
HA 203	History of American Art	3	MUS 105	Introduction to Music in Western Society	3
HA 240	Introduction to Visual Culture	3	MUS 180	Introduction to Musical Experiences	3
HA 298	Special Topics in Art History	3	MUS 181	Exploring Music Theory	3
HA 395	History of Art: Study Abroad	3	MUS 200	Understanding Music: Global Perspectives	3
HA 401	19th Century European Art from Revolution to Post-Impressionism	3	MUS 201	Introduction to Music Literature I	3
HA 404	Italian Renaissance Art and Material Culture	3	MUS 202	Introduction to Music Literature II	3
HA 410	History of the Art of Photography	3	MUS 260	History of Jazz	3
HA 498	Independent Study in History of Art	1-6	MUS 306	Music Composition with Computers	3
HESM 322	Dance and Society	3	MUS 310	Music of the 17th and 18th Centuries	3
HESM 324	U.S. Concert Dance History	3	MUS 315	Music of the 19th Century	3
HESM 326	Current Trends in Dance	3	MUS 320	Music of the 20th-21st Centuries	3
HI 240	Introduction to Visual Culture	3	MUS 330	Survey of Musical Theater	3
HI 320	Religion in American History	3	MUS 350	Music of Asia	3
HI 402	Early Christianity to the Time of Eusebius	3	MUS 360	Women In Music	3
HI 407	Islamic History to 1798	3	REL 200	Introduction to the Study of Religion	3
HI 408	Islam in the Modern World	3	REL 210	Religious Traditions of the World	3
HI 502	Early Christianity to the Time of Eusebius	3	REL 298	Special Topics in Religious Studies	3
HI 507	Islamic History to 1798	3	REL 309	Religion and Society	3
HI 508	Islam in the Modern World	3	REL 311	Introduction to the Old Testament	3
HON 390	Music and the Celtic World	3	REL 312	Introduction to the New Testament	3
IDS 496	Topics in Film and Interdisciplinary Studies	3	REL 314	Introduction to Intertestamental Literature	3
			REL 317	Christianity	3
			REL 320	Religion in American History	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 333	Chinese Religions	3	REL 512	Advanced Readings in the Christian Gospels	3
REL 334	Japanese Religions	3	REL 513	The Life and Letters of the Apostle Paul	3
REL 340	Islam	3	REL 523	Religion and Politics in America	3
REL 343	African American Religions	3	REL 524	Religion and Politics in Global Perspective	3
REL 350	Judaism	3	REL 571	Darwinism and Christianity	3
REL 380	Emotion and Religion	3	REL 572	Women and Religion	3
REL 383	Religion, Globalism, and Justice	3	REL 573	Religion, Gender, and Reproductive Technologies	3
REL 402	Early Christianity to the Time of Eusebius	3	REL 582	Religion and Conflict	3
REL 407	Islamic History to 1798	3	REL 589	Interpretations of Religion	3
REL 408	Islam in the Modern World	3	REL 598	Special Topics in Religious Studies	1-6
REL 412	Advanced Readings in the Christian Gospels	3	SOC 309	Religion and Society	3
REL 413	The Life and Letters of the Apostle Paul	3	STS 257	Technology in the Arts	3
REL 423	Religion and Politics in America	3	STS 471	Darwinism and Christianity	3
REL 424	Religion and Politics in Global Perspective	3	STS 571	Darwinism and Christianity	3
REL 471	Darwinism and Christianity	3	THE 103	Introduction to the Theatre	3
REL 472	Women and Religion	3	THE 203	Theory and Practice of Acting	3
REL 473	Religion, Gender, and Reproductive Technologies	3	THE 303	Stage Directing	3
REL 482	Religion and Conflict	3	THE 334	Advanced Acting	3
REL 489	Interpretations of Religion	3	THE 340	African American Theatre	3
REL 496	Seminar in Religious Studies	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
WL 216	Art and Society in France	3
WLAR 318	Egyptian Culture through Film	3
WLAR 351	Modern Arab Popular Culture	3
WLCH 351	Modern Chinese Popular Culture	3
WLCL 210	Classical Mythology	3
WLFR 318	The Heritage of French Cinema	3
WLGE 318	New German Cinema and Beyond	3
WLIT 318	Italian Society Through Cinema	3
WLJA 351	Contemporary Culture in Japan	3
WLHU 351	Hindi-Urdu Popular Culture	3
WLRU 318	Russian Cinema and Society	3
WLSP 360	Hispanic Cinema	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**

### Literature List A

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 362	Studies in the British Novel	3
ENG/FL 221	Literature of the Western World I	3	ENG 369	The American Novel of the 19th Century	3
ENG/FL 222	Literature of the Western World II	3	ENG 370	American Fiction, Twentieth Century and Beyond	3
ENG/FL 223	Contemporary World Literature I	3	ENG 372	American Poetry, Twentieth Century and Beyond	3
ENG/FL 224	Contemporary World Literature II	3	ENG 376	Science Fiction	3
ENG 232	Literature and Medicine	3	ENG 377	Fantasy	3
ENG 246	Literature of the Holocaust	3	ENG 380	Modern Drama	3
ENG 249	Native American Literature	3	ENG 382	Film and Literature	3
ENG 251	Major British Writers	3	ENG 385	Biblical Backgrounds of English Literature	3
ENG 252	Major American Writers	3	ENG 390	Classical Backgrounds of English Literature	3
ENG 255	Beyond Britain: Literature from Colonies of the British Empire	3	ENG/FL 394	Studies in World Literature	3
ENG 260	Reading Literature and Exploring Textuality	3	ENG 392	Major World Author	3
ENG 261	English Literature I	3	ENG 393	Studies in Literary Genre	3
ENG 262	English Literature II	3	ENG 399	Contemporary Literature	3
ENG 265	American Literature I	3	ENG/FL 406	Modernism	3
ENG 266	American Literature II	3	ENG/FL 407	Postmodernism	3
ENG 267	LGBTQI Literature in the U.S.	3	ENG/WGS 410	Studies in Gender and Genre	3
ENG/FL 275	Literature and War	3	ENG 420	Major American Authors	3
ENG/WGS 305	Women and Literature	3	ENG 439	Studies in English Renaissance Literature	3
ENG 339	Literature and Technology	3	ENG 451/551	Chaucer	3
ENG 340	Literature, Art, and Society	3	ENG 452	Medieval British Literature	3
ENG 341	Literature and Science	3	ENG 453	Studies in Nineteenth-Century British Literature	3
ENG 342	Literature of Space and Place	3	ENG 460	Major British Author	3
ENG 361	Studies in British Poetry	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/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	FLJ 345	Modern Japanese Literature in Translation	3
<b>Literature List B</b>			FLN 301	Twentieth Century Hindi & Urdu Fiction	3
CLA 210	Classical Mythology	3	FLN 302	Modern Hindi & Urdu Poetry	3
CLA 320	Masterpieces of Classical Literature	3	FLN 401	Hindi Literature and South Asian Cultural Contexts	3
ENG/FL 219	Studies in Great Works of Non-Western Literature	3	FLR 303	Russian Literature in Translation: The Nineteenth Century	3
ENG/FL 220	Studies in Great Works of Western Literature	3	FLR 304	Russian Literature in Translation: The Twentieth Century	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			



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 Sciences

**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.

### 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 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 560	Urban Anthropology	3
ANT 460	Urban Anthropology	3	ANT 561	Wealth, Poverty and International Aid	3
ANT 461	Wealth, Poverty and International Aid	3	ANT 564	Anthropology of Religion	3
ANT 464	Anthropology of Religion	3	ANT 571	Understanding Latino Migration	3
ANT 471	Understanding Latino Migration	3	ANT 575	Environmental Archaeology	3
ANT 475	Environmental Archaeology	3	ANT 583	Theories of Archaeological Research	3
ANT 483	Theories of Archaeological Research	3	ANT 585	Skeletal Biology in Anthropology	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	3
ANT 511	Overview of Anthropological Theory	3	IS 471	Understanding Latino Migration	3
ANT 512	Applied Anthropology	3	IS 571	Understanding Latino Migration	3
ANT 516	Research Methods in Cultural Anthropology	3	SOC 261	Technology in Society and Culture	3
ANT 521	Human Osteology	3	WGS 444	Cross-Cultural Perspectives on Women	3
ANT 524	Bioarchaeology	3	WGS 544	Cross-Cultural Perspectives on Women	3
ANT 528	Human Paleopathology	3	<b>Agricultural Economics</b>		
ANT 529	Advanced Methods in Forensic Anthropology	4	ARE 121	Agricultural Finance	3
ANT 531	Tourism, Culture and Anthropology	3	ARE 201	Introduction to Agricultural & Resource Economics	3
ANT 533	Anthropology of Ecotourism and Heritage Conservation	3	ARE 201A	Introduction to Agricultural & Resource Economics	3
ANT 544	Cross-Cultural Perspectives on Women	3	ARE 215	Small Business Accounting	3
ANT 550	Culture, Ecology, and Sustainable Living	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 415	Introduction to Commodity Futures Markets	3
ARE 295	Special Topics in Agricultural & Resource Economics (200 Level)	1-6	ARE 420	Taxation in Agriculture, Production, and Agribusiness	3
ARE 301	Intermediate Microeconomics	3	ARE 425	Contracts and Organizations in Agriculture	3
ARE 303	Farm Management	3	ARE 433	U.S. Agricultural Policy	3
ARE 304	Agribusiness Management	3	ARE 444	Ethics in Agribusiness	3
ARE 306	Agricultural Law	3	ARE 448	International Agricultural Trade	3
ARE 309	Environmental Law & Economic Policy	3	ARE 455	Agribusiness Analytics	3
ARE 311	Agricultural Markets	3	ARE 470	Agribusiness Entrepreneurship Clinical Skills Development	3
ARE 312	Agribusiness Marketing	3	ARE 475	Food Policy	3
ARE 321	Agricultural Financial Management	3	ARE 490	Career Seminar in Agriculture & Resource Economics	1
ARE 323	Agribusiness Finance	3	ARE 492	External Learning Experience	1-6
ARE 332	Human Resource Management for Agribusiness	3	ARE 493	Special Problems/ Research Exploration	1-6
ARE 336	Introduction to Resource and Environmental Economics	3	ARE 494	Agribusiness Study Abroad	1-6
ARE 345	Global Agribusiness Management	3	ARE 495	Special Topics in Agricultural and Resource Economics	1-6
ARE 370	Agribusiness New Venture Development	3	ARE 590	Special Topics in ARE	1-99
ARE 395	Special Topics in Agricultural and Resource Economics (300 level)	1-6	EC 301	Intermediate Microeconomics	3
ARE 404	Advanced Agribusiness Management	3	EC 336	Introduction to Resource and Environmental Economics	3
ARE 412	Advanced Agribusiness Marketing	3	<b>Economics</b>		
ARE 413	Applied Agribusiness Marketing	3	ARE 301	Intermediate Microeconomics	3
			ARE 336	Introduction to Resource and Environmental Economics	3
			EC 201	Principles of Microeconomics	3
			EC 202	Principles of Macroeconomics	3

EC 205	Fundamentals of Economics	3	PS 236	Issues in Global Politics	3
EC 302	Intermediate Macroeconomics	3	PS 241	Introduction to Comparative Politics	3
EC 305	A Closer Look at Capitalism	3	PS 298	Special Topics in Political Science	1-6
EC 348	Introduction to International Economics	3	PS 301	The Presidency and Congress	3
EC 351	Econometrics I	3	PS 302	Campaigns and Elections in the US Political System	3
EC 404	Money, Financial Markets, and the Economy	3	PS 303	Race in U.S. Politics	3
EC 410	Public Finance	3	PS 305	The Justice System in the American Political Process	3
EC 413	Industrial Organization	3	PS 306	Gender and Politics in the United States	3
EC 431	Labor Economics	3	PS 307	Introduction to Criminal Law in the United States	3
EC 449	International Finance	3	PS 308	Supreme Court and Public Policy	3
EC 451	Econometrics II	3	PS 309	Equality and Justice in United States Law	3
EC 468	Game Theory	3	PS 310	Public Policy	3
EC 474	Economics of Financial Institutions and Markets	3	PS 312	Introduction to Public Administration	3
EC 490	Research Seminar in Economics	3	PS 313	Criminal Justice Policy	3
EC 495	Special Topics in Economics	1-6	PS 314	Science, Technology and Public Policy	3
EC 498	Independent Study in Economics	1-6	PS 320	U.S. Environmental Law and Politics	3
<b>Political Science</b>			PS 331	U.S. Foreign Policy	3
AFS 409	Black Political Participation in America	3	PS 335	International Law	3
LPS 315	Public Leadership	3	PS 336	Global Environmental Politics	3
PS 101	Internet Research	1	PS 339	Politics of the World Economy	3
PS 102	Data Analysis	1	PS 341	European Politics	3
PS 103	Designing Political Web Pages	1	PS 342	Politics of China and Japan	3
PS 201	American Politics and Government	3	PS 343	Government and Politics in South Asia	3
PS 202	State and Local Government	3			
PS 203	Introduction to Nonprofits	3			
PS 204	Problems of American Democracy	3			
PS 231	Introduction to International Relations	3			

PS 345	Governments and Politics in the Middle East	3	PS 490	Readings and Research in Political Science	1-6
PS 353	Issues in Latin American and Caribbean Politics	3	PS 492	Honors Readings and Thesis in Political Science	1-6
PS 361	Introduction to Political Theory	3	PS 498	Special Topics in Political Science	1-6
PS 362	American Political Thought	3	PS 502	The Legislative Process	3
PS 371	Research Methodology of Political Science	3	PS 506	United States Constitutional Law	3
PS 391	Internship in Political Science	1-6	PS 507	Civil Liberties In the United States	3
PS 398	Special Topics in Political Science	3	PS 530	Seminar In International Relations	3
PS 401	American Political Parties	3	PS 531	International Law	3
PS 409	Black Political Participation in America	3	PS 532	Seminar in Global Governance	3
PS 411	Public Opinion and the Media in American Politics	3	PS 533	Global Problems and Policy	3
PS 415	Administration of Justice	3	PS 534	The Politics of Human Rights Policies	3
PS 418	Gender Law and Policies	3	PS 536	Global Environmental Law and Policy	3
PS 431	The United Nations and Global Order	3	PS 539	International Political Economy	3
PS 432	Violence, Terrorism, and Public Policy	3	PS 540	Seminar In Comparative Politics	3
PS 433	Global Problems and Policies	3	PS 541	Political Islam	3
PS 437	U.S. National Security Policy	3	PS 542	European Politics	3
PS 443	Seminar in Latin American & Caribbean Politics	3	PS 543	Seminar in Latin American & Caribbean Politics	3
PS 445	Comparative Systems of Law and Justice	3	PS 544	Contemporary African Politics	3
PS 462	Seminar in Political Theory	3	PS 545	Comparative Systems of Law and Justice	3
PS 463	Public Choice and Political Institutions	3	PS 546	The Politics of East Asia	3
PS 464	The Classical Liberal Tradition	3	PS 547	Russian Politics	3
PS 471	Public Opinion Research Methodology	3	PS 560	Nuclear Nonproliferation Policy & Process	3
			PS 561	Nuclear Strategy and Nonproliferation	3

PS 571	Research Methods and Analysis	3	PSY 243	Introduction to Behavioral Research II Lab	2
PS 585	Constitutional and Legal Principles for Police Supervisors	3	PSY 307	Industrial and Organizational Psychology	3
PS 590	Special Topics	1-6	PSY 311	Social Psychology	3
PS 598	Special Topics In Political Science	1-6	PSY 312	Applied Psychology	3
SOC 413	Criminal Justice Field Work	4	PSY 313	Positive Psychology	3
SOC 432	Violence, Terrorism, and Public Policy	3	PSY 340	Human Factors Psychology	3
WGS 306	Gender and Politics in the United States	3	PSY 345	Psychology and the African American Experience	3
WGS 418	Gender Law and Policies	3	PSY 360	Community Psychology Principles and Practice	3
<b>Psychology</b>			PSY 370	Personality	3
AFS 345	Psychology and the African American Experience	3	PSY 376	Developmental Psychology	3
EDP 304	Educational Psychology	3	PSY 400	Perception	3
EDP 476	Psychology of Adolescent Development	3	PSY 406	Psychology of Gender	3
EDP 582	Adolescent Development	3	PSY 410	Learning and Motivation	3
ISE 540	Human Factors In Systems Design	3	PSY 411	The Psychology of Interdependence and Race	3
PHI 425	Introduction to Cognitive Science	3	PSY 416	Psychology of Emotion	3
PHI 525	Introduction To Cognitive Science	3	PSY 420	Cognitive Processes	3
PSY 200	Introduction to Psychology	3	PSY 425	Introduction to Cognitive Science	3
PSY 208	Psychobiology of Success	3	PSY 430	Biological Psychology	3
PSY 230	Introduction to Psychological Research	3	PSY 431	Health Psychology	3
PSY 240	Introduction to Behavioral Research I	3	PSY 436	Introduction to Psychological Measurement	3
PSY 241	Introduction to Behavioral Research I Lab	1	PSY 465	Advanced Methods in Psychology	3
PSY 242	Introduction to Behavioral Research II	3	PSY 470	Psychopathology	3
			PSY 475	Child Psychology	3
			PSY 476	Psychology of Adolescent Development	3

PSY 491	Special Topics in Psychology	3	GEO 220	Cultural Geography	3
PSY 495	Community-Based Applied Psychology	4	PS 432	Violence, Terrorism, and Public Policy	3
PSY 498	Psychology Honors Seminar	3	REL 309	Religion and Society	3
PSY 499	Individual Study in Psychology	1-6	SOC 202	Principles of Sociology	3
PSY 500	Visual Perception	3	SOC 203	Current Social Problems	3
PSY 502	Physiological Psychology	3	SOC 203A	Current Social Problems	3
PSY 504	Evolutionary Psychology	3	SOC 204	Sociology of Family	3
PSY 508	Cognitive Processes	3	SOC 205	Jobs and Work	3
PSY 510	Advanced Problems In Psychology	1-3	SOC 206	Social Deviance	3
PSY 511	Advanced Social Psychology	3	SOC 207	Language and Society	3
PSY 525	Introduction To Cognitive Science	3	SOC 211	Community and Health	3
PSY 535	Forensic Psychology	3	SOC 212	Race in America	3
PSY 540	Human Factors In Systems Design	3	SOC 220	Cultural Geography	3
PSY 541	Overview of Human Factors Psychology	3	SOC 241	Sociology of Agriculture and Rural Society	3
PSY 558	Psychology and the African Experience	3	SOC 241A	Sociology of Agriculture and Rural Society	3
PSY 582	Adolescent Development	3	SOC 295	Special Topics in Sociology	1-3
PSY 584	Advanced Developmental Psychology	3	SOC 300	Social Research Methods	4
PSY 590	Special Topics in Psychology	3	SOC 301	Human Behavior	3
PSY 591	History and Systems Of Psychology	1-3	SOC 304	Gender and Society	3
WGS 406	Psychology of Gender	3	SOC 305	Racial and Ethnic Relations	3
<b>Sociology</b>			SOC 306	Criminology	3
AFS 305	Racial and Ethnic Relations	3	SOC 309	Religion and Society	3
ANT 261	Technology in Society and Culture	3	SOC 311	Community Relationships	3
ANT 428	Human Paleopathology	3	SOC 342	International Development	3
ANT 528	Human Paleopathology	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	3
WGS 304	Gender and Society	3
WGS 407	Sociology of Sexualities	3
<b>Multidisciplinary</b>		
ENG 210	Introduction to Language and Linguistics	3
GEO 220	Cultural Geography	3
SOC 220	Cultural Geography	3
STS 402	Peace and War in the Nuclear Age	3

## Semester Sequence

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

### First Year

Fall Semester		Hours
ENG 101	Academic Writing and Research	4
Social Sciences (p. 17)		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
Calculus (p. 4)		3
<b>Hours</b>		<b>14</b>

### Spring Semester

Literature (p. 14)		3
Social Sciences (p. 17)		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
Math Electives (p. 4)		3
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> )		1
<b>Hours</b>		<b>14</b>

### Second Year

Fall Semester		Hours
STS 214	Introduction to Science, Technology, and Society <sup>1</sup>	3
History (p. 14)		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
Statistics 3xx (p. 8) <sup>1</sup>		3
Select one of the following:		3
ENG 331	Communication for Engineering and Technology	
ENG 332	Communication for Business and Management	
ENG 333	Communication for Science and Research	
<b>Hours</b>		<b>16</b>



**Spring Semester**

STS History <sup>1</sup>	3
Social Sciences (p. 17)	3
Science Elective (p. 2)	4
Philosophy (p. 10)	3
Advanced Sci/Tech Option	3
<b>Hours</b>	<b>16</b>

**Third Year****Fall Semester**

STS Philosophy of Science and Ethics (p. 1) <sup>1</sup>	3
STS Specialty <sup>1</sup>	6
Free Elective	3
Advanced Sci/Tech Option	3
<b>Hours</b>	<b>15</b>

**Spring Semester**

STS Assessment & Policy <sup>1</sup>	3
STS Specialty <sup>1</sup>	3
Arts & Letters (p. 11)	3
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )	2
Advanced Sci/Tech Option	3
<b>Hours</b>	<b>14</b>

**Fourth Year****Fall Semester**

STS Other <sup>1</sup>	3
STS Specialty <sup>1</sup>	3
Advanced Sci/Tech Option	3
Free Electives	6
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> )	1
<b>Hours</b>	<b>16</b>

**Spring Semester**

STS 403	Seminar in Science, Technology, and Society <sup>1</sup>	3
STS Specialty <sup>1</sup>		3
Advanced Sci/Tech Option		3
Free Elective		3
GEP Elective ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/</a> )		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> C- or better required

**Major Residency Requirement:** At least 18 of the 30 credits in the major (departmental requirements) must be completed following admission to the program. Maximum 15 hours of external transfer credit may be applied towards the major (departmental requirements).

## Career Opportunities

### Career Titles

- Government Service Executives

### Learn More About Careers

NCcareers.org (<https://nccareers.org/>)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (<https://www.bls.gov/ooh/>)

Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (<https://www.careeronestop.org/>)

View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (<https://careers.dasa.ncsu.edu/explore-careers/career-assessments/>) (NC State student email address required)

This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (<https://careers.dasa.ncsu.edu/about/hours-appointments/>) to discuss the results.

Focus 2 Apply Assessment (<https://www.focus2career.com/Portal/Register.cfm?SID=1929>) (Available to prospective students)

A career assessment tool designed to support prospective students in exploring and choosing the right major and career path based on your unique personality, interests, skills and values. Get started with Focus 2 Apply and see how it can guide your journey at NC State.