

- REL 344. CHRISTIANITY AND SOCIAL JUSTICE** 4 sh
This course will focus on the religious foundations for social justice within the Christian tradition. Emphasis will be placed on employing a structural analysis of social problems that includes the role of religion and religious communities in both perpetrating and healing social injustice. Prerequisites: None. Offered fall.
- REL 348. ENVIRONMENTAL ETHICS** 4 sh
In an exploration of the moral dimensions of the environmental crisis, students examine the roles which religious and philosophical ethics play in providing frameworks for understanding environmental issues and developing guidelines for addressing specific contemporary problems. (Cross-listed with PHL 348.)
- REL 353. BUDDHISM** 4 sh
This course gives students a critical understanding of basic concepts and doctrines of Buddhism, considering the similarities and contrasts between the different major schools of Buddhism as well as Buddhism's relationship to Taoism and Confucianism.
- REL 352. HINDUISM** 4 sh
This study of the history, scripture and beliefs of this major religion of India includes topics such as the doctrine of creation, karma, reincarnation and the problem of evil.
- REL 354. LIFE BEYOND DEATH** 4 sh
This course explores the various meanings of death and the afterlife found in selected religious traditions of the world. It will review perspectives on death from theologians and philosophers and examine popular metaphors for death as well as analyze the roles that the fear of death plays in the world's religions. Prerequisites: None. Offered fall.
- REL 355. PHILOSOPHY OF RELIGION** 4 sh
This course is cross-listed with PHL 355.
- REL 358. YOGA: THE PRACTICE OF SPIRITUAL TRAINING** 4 sh
This course will address and analyze the history and practice of spiritual training and self-cultivation developed in India. The course will help students understand different yogic paths and the practice of a variety of ascetic and meditative techniques as they have developed in Hinduism, Buddhism and Taoism. Offered spring.
- REL 361. ISLAM** 4 sh
Study of the history, scripture and beliefs of Islam gives attention to Islam as an influential force in the contemporary world.
- REL 362. ISLAM IN AMERICA** 4 sh
This course traces the history of the American Muslim communities, the differences between the experiences of African-American Muslims and immigrant Muslims, and the implications of their presence in the United States. Particular attention will be paid to various aspects of Muslim life in America, such as Muslim organizations, generational differences, gender and legal issues, conversion and everyday lifestyles. Offered fall.
- REL 363. MUSLIMS IN THE MODERN WORLD** 4 sh
This course presents Muslims as a religious, cultural, and political force from late modernity to the present. Students will study Islamic modernism and reform, the rise of political Islam, the interaction between Muslims and the West and the growing Muslim presence in the West. Attention will be given to the status of women in Muslim societies, Islamic law in modern nation-states, and the effects of September 11, 2001. Offered spring.
- REL 364. APPROACHING THE QUR'AN** 4 sh
This course introduces students to the sacred scripture of the Islamic faith, the Qur'an. It presents the history of Qur'anic revelation; language, structure and translations of the Qur'an; and interpretation and application of the scripture in the lives of Muslims. Special attention is given to Qur'anic verses on prophets, eschatology, creation, Jihad,

women, and Jews and Christians, in comparison to the Old and News Testament where possible. Offered fall.

- REL 380. RELIGION IN CONTEMPORARY BRITAIN** 4 sh
The focus of this travel course centers on a study of the beliefs and practices of various faith communities in a multicultural and plural society, specifically modern-day Britain.
- REL 381. JUDAISM** 4 sh
This course introduces students to the history, texts, beliefs and practices of Judaism.
- REL 460-469. SPECIAL TOPICS** 4 sh
These courses allows individual faculty members to teach courses on timely topics that are of special interest to students or on topics that are related to faculty research projects that may be of interest to students. Prerequisites: As appropriate for each course. Offered fall and spring.
- REL 471. SEMINAR: SPECIAL TOPICS** 1-4 sh
- REL 481. INTERNSHIP IN RELIGIOUS STUDIES** 1-4 sh
This course provides opportunities for upper-level students to apply concepts and information gained in the religious studies classroom to actual experiences in local community and church agencies or as teaching assistants in freshman-level classes. Maximum four semester hours toward major. Prerequisites: junior/senior majors only, faculty approval.
- REL 491. INDEPENDENT STUDY** 1-4 sh
Upper-class majors (or others by instructor consent) may complete individual study in an area of special interest with the guidance of a member of the department. Maximum six semester hours credit.
- REL 492. SENIOR SEMINAR** 4 sh
In this capstone course, the student and the department evaluate performance over the student's past years of study. Prerequisite: REL 292. Required of all majors during senior year.
- REL 499. RESEARCH** 1-4 sh
This course offers the individual student an opportunity to pursue a research project with a selected faculty mentor. Prerequisite: permission of instructor.

Science

Associate Professors: Agnew, Carloye, N. Harris, Seidel, Wright
Assistant Professor: Lee

Science courses integrate the natural sciences, providing the opportunity to see the interrelatedness of the different science disciplines. Students experience the processes of science and relate the natural sciences to areas outside the classroom and laboratory.

- SCI 121. SCIENCE WITHOUT BORDERS** 4 sh
Investigate the major ideas in the natural sciences and their commonalities in this non-traditional science course emphasizing the processes of science through hands-on, minds-on activities. Intended for nonscience majors, Science Without Borders is a natural science course and students are responsible for understanding science content and processes. Students collaborate to prepare projects relating the natural sciences to a complex "real-world" problem and bring in other disciplines in a benefits/risks analysis. This course does not carry lab credit, but does count toward the non-laboratory science General Studies requirement.

Science Education

Coordinator: Associate Professor Agnew

The Departments of Biology, Chemistry and Physics in cooperation with the Department of Education offer programs leading to the Bachelor of Arts in Science Education with Secondary Science Comprehensive Licensure and with Secondary Science Licensure in the areas of biology, chemistry and physics.

The Bachelor of Arts degree with Secondary Science Comprehensive Licensure

requires the following courses:

Professional Studies courses in Education, Psychology and Information Systems	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Eight semester hours in science courses from each of the other two listed areas	4-16 sh

TOTAL **87-99 sh**

Concentrations

Biology concentration:

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

Select one course from: 4 sh

BIO 312	Comparative Vertebrate Anatomy
BIO 321	Microbiology
BIO 325	Human Histology
BIO 335	Field Biology
BIO 342	Plant Physiology
BIO 452	General Ecology

Select one course from: 4 sh

CHM 212/214	Organic Chemistry II & Lab
CHM 205	Inorganic Chemistry
CHM 332	Physical Chemistry I

TOTAL **40 sh**

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 205	Inorganic Chemistry	4 sh or
CHM 311	Quantitative Analysis	
CHM 332	Physical Chemistry I	4 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II (Physics 111 and 112 may be substituted for Physics 113 and 114)	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh

TOTAL **40 sh**

Physics concentration:

PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II	4 sh
(Physics 111 and 112 may be selected to satisfy eight semester hours in Physics for Biology or Chemistry concentration.)		
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL **40 sh**

Secondary Science Licensure

The Bachelor of Arts degree with Secondary Science Licensure requires the following courses:

Professional Studies Courses in Education and Psychology	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh

Twelve semester hours in science courses from one of the other two listed areas 0-12 sh

TOTAL **83-95 sh**

Concentrations

Biology concentration:

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh

Select one course from: 4 sh

BIO 312	Comparative Vertebrate Anatomy
BIO 321	Microbiology
BIO 325	Human Histology
BIO 335	Field Biology
BIO 342	Plant Physiology
BIO 452	General Ecology

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

Select one course from: 4 sh

CHM 212/214	Organic Chemistry II & Lab
CHM 205	Inorganic Chemistry
CHM 332	Physical Chemistry I

TOTAL **40 sh**

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 205	Inorganic Chemistry	4 sh or
CHM 311	Quantitative Analysis	
CHM 332	Physical Chemistry I	4 sh

BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II	4 sh

(Physics 111 & 112 may be substituted for Physics 113 and 114)

MTH 121	Calculus and Analytic Geometry I	4 sh
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TOTAL **40 sh**

Physics Concentration:

PHY 113	General Physics with Calculus I	4 sh
PHY 114	General Physics with Calculus II	4 sh
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL **40 sh**

Social Science

The disciplines of the social sciences offer several interdisciplinary courses that study the methods and approaches used in the social science fields. In addition, the social sciences host two special programs: The Social Science Fellows program and a major in Social Science Education.

SSC 350. SCHOLARSHIP AT WORK: RESEARCH IN THE SOCIAL SCIENCES **2 sh**

This course offers an interdisciplinary seminar exploring how scholars in the social sciences ask questions, explore topics and apply their research. Students must concurrently register for a research course (two semester hours) to work with a faculty mentor from the social science division to prepare a research proposal for a Fellows Project. Prerequisites: acceptance as a Social Science Fellow and junior standing.

SSC 351. SCHOLARSHIP AT WORK: RESEARCH IN THE SOCIAL SCIENCES **2 sh**

This course offers an interdisciplinary seminar exploring how scholars in the social sciences ask questions, explore topics and apply their research. Students must concurrently register for a research course (two semester hours) to work with a faculty mentor from the social science division to begin work on their Fellows Project. Prerequisites: acceptance as a Social Science Fellow and junior standing.

Social Science Education

Chair, Department of Sociology: Professor Basirico
 Coordinator: Assistant Professor Curry

Social Science Education, designed for prospective secondary school social studies teachers, is an integrated, multidisciplinary study of interactions among people in diverse cultural and geographical environments. It examines political institutions, economic processes, historical events and social forces which influence human behavior and produce continually changing relationships and ideas.

The Social Science Education program helps students understand major social, economic, political and environmental issues in both historical and contemporary settings. The program also focuses on the relationship between the person and the larger society. In that context, students are encouraged to reflect upon their own values and behavior. Part of this process emphasizes the development of analytical and communication skills which help people solve problems and make decisions rationally.

Elon's Social Science Education program provides students with an opportunity to master the competencies required by the North Carolina State Department of Public Instruction, including the ability to (1) formulate objectives; (2) identify and use available resources; (3) read and interpret data; (4) select and create teaching strategies; (5) use facts, develop concepts and formulate generalizations; (6) design and use assessment and evaluation techniques; (7) use democratic classroom methods; (8) recognize and deal with sensitive and controversial issues; and (9) learn computer technology relevant to the social sciences.

A major in Social Science Education requires the following courses:

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
SOC 111	Introductory Sociology	4 sh
POL 111	American Government	4 sh
SOC 112	Introduction to Cultural Anthropology	4 sh
POL 261	Comparative Politics	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 122	United States History since 1865	4 sh
HST 361	North Carolina in the Nation	4 sh
A 300-400 level Geography		4 sh
A 300-400 level non-U.S. History		4 sh
A 300-400 level History		4 sh
HST 301	Research Methods	4 sh
History Seminar		4 sh
Thirty-five semester hours professional education and psychology courses		35 sh
TOTAL		95 sh

Sociology and Anthropology

Chair, Department of Sociology: Professor Basirico
 Coordinator, Anthropology Minor: Professor Bolin
 Professors: Arcaro, T. Henricks
 Assistant Professors: Curry, Jones, Mould, Smith-Nonini

Sociology and anthropology provide the student with an exceptional understanding of the world by developing an awareness of how society and culture shape our lives and perspectives. Studying sociology and anthropology is more like a journey in which we learn to stand outside ourselves to see our world with new eyes.

Sociologists and anthropologists study all forms and dimensions of human social and cultural behavior from the institutional to the interpersonal e.g., "How do people select a mate? How are people organized into groups such as sororities, fraternities and sports teams? How do institutions such as the family, economy, government, religion and health-care develop and affect our lives?"

With their wide scope, sociology and anthropology are linked to all the disciplines and are complementary to any major found at Elon. The U.S. is a culturally diverse society and solutions to our interpersonal, community, national and international problems demand an understanding of society and culture.

The sociocultural perspective students develop through sociology and anthropology is an asset not only in their personal lives, but also in business, politics, economics, healthcare, education, health and fitness, social services, the mental health field, urban planning, family planning and many other professions.

A major in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 112	Introduction to Cultural Anthropology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
SOC 216	Research Methods in Sociology	4 sh
SOC 261	Sociological Theory	4 sh
SOC 451	Comprehensive Review in Sociology	2 sh
SOC 461	Senior Seminar in Sociology	4 sh
Sixteen semester hours of electives in Sociology courses		16 sh
TOTAL		42 sh
A minor in Sociology requires the following courses:		
SOC 111	Introductory Sociology	4 sh
SOC 215	Sociocultural Inquiry	4 sh or
SOC 216	Research Methods in Sociology	4 sh
Twelve semester hours selected from Sociology courses		12 sh
TOTAL		20 sh

A minor in Anthropology requires the following courses:

SOC 112	Introduction to Cultural Anthropology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
Twelve semester hours selected from:		12 sh