

Religious Studies

Chair, Department of Religious Studies: Professor Pace
 Professors: Pugh, Wilson
 Associate Professor: Chakrabarti
 Assistant Professors: Hammer, McBride, Peters
 Adjunct: L. Russell

Religious Studies courses and the Religious Studies major and minor are designed to help students learn about one of the most basic and universal aspects of human existence. Knowing about religion helps us to better understand ourselves and the beliefs of others.

The series of courses required for the major gives students a taste of three major subdivisions within the discipline of religion. The members of the Religious Studies faculty seek to foster in students a love of learning, informed values and a spirit of tolerance. In keeping with Elon's liberal arts objectives, the program and the faculty also seek to develop the students' ability to think critically and communicate effectively, both in the discipline and in other areas of life.

A major in Religious Studies requires the following courses:

REL 111	Introduction to the Old Testament	4 sh	or
REL 112	Introduction to the New Testament		
REL 121	World Religions	4 sh	
REL 134	Introduction to Religious Studies	4 sh	
REL 492	Senior Seminar	4 sh	
An additional six courses, five at the 300-400 level:		24 sh	
	1 course in Biblical Studies		
	1 course in Eastern and Islamic Studies		
	1 course in Theological and Ethical Studies		
	3 electives		
(Greek 110, 210 are recommended for all Religious Studies majors and Greek 310 may be substituted for a Religious Studies course in the Biblical Studies area.)			
TOTAL		40 sh	

A minor in Religious Studies requires the following courses: Eight semester hours of Religious Studies at the 300-400 levels. Twelve semester hours of Religious Studies courses at any level. Courses must be taken from at least two major areas.

TOTAL	20 sh
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REL 111. INTRODUCTION TO THE OLD TESTAMENT	4 sh
Students are introduced to the history, literature and religion of the Israelite people in the context of ancient Near Eastern culture in this course.	
REL 112. INTRODUCTION TO THE NEW TESTAMENT	4 sh
This course studies the rise and development of Christianity and its literature.	
REL 121. WORLD RELIGIONS	4 sh
The origin, historical development and beliefs of selected religious traditions are the focus of this course.	
REL 134. INTRODUCTION TO RELIGIOUS STUDIES	4 sh
This course considers the human religious experience and its impact throughout history and in the contemporary world.	

REL 181. INTERNSHIP IN RELIGIOUS STUDIES 1 sh
An optional internship may occasionally be offered in conjunction with REL 134, Introduction to Religious Studies.

REL 251. RELIGIOUS STUDIES ABROAD 4 sh
Religious study tours are offered to England, India and/or the Middle East (Israel, Egypt and Jordan). Winter Term only.

BIBLICAL STUDIES

REL 321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST 4 sh
This study surveys major archaeological research as it relates to the Near East with particular emphasis on Egypt, Palestine and Mesopotamia.

REL 322. OLD TESTAMENT PROPHETS 4 sh
The background, personal characteristics, function, message and present significance of the Hebrew prophets is the focus of this course.

REL 324. THE BOOK OF JOB 4 sh
Study of the Old Testament Book of Job includes its contents, literary structure, impact on modern literature and drama and its message about senseless tragedy for today's world.

REL 325. REVELATION AND OTHER APOCALYPTIC LITERATURE 4 sh
The course examines the origins of apocalyptic thought in early Jewish and Christian history. While half of the course is a very close and detailed reading of Revelation, some Old Testament and intertestamental apocalyptic literature is also read.

REL 326. LIFE AND THOUGHT OF PAUL 4 sh
This study analyzes major motifs of Paul's theology by interpreting his New Testament writings.

REL 329. JESUS AND THE GOSPELS 4 sh
The course is a close reading and comparison of Matthew, Mark and Luke in parallel columns, along with the noncanonical Gospel of Thomas. John will be read separately toward the end of the course.

THEOLOGICAL AND ETHICAL STUDIES

REL 334. MODERN RELIGIOUS THINKERS 4 sh
Course study consists of an examination of the theologies of selected major thinkers in the Judeo-Christian tradition.

REL 336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH 4 sh
This course considers the influence of Christianity in a sociocultural and theological perspective and examines church personalities, controversies and decisions from Jewish antecedents to the present day.

REL 338. CONTEMPORARY THEOLOGY 4 sh
Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world.

REL 341. CHRISTIAN ETHICS 4 sh
Special attention is given to analyzing selected personal and social-ethical issues in a systematic and biblically based study of the types and principles of Christian ethical theory.

REL 345. A THEOLOGY OF HUMAN LIBERATION 4 sh
This study analyzes contemporary types of liberation theology — Third World liberation, Black liberation, women's liberation — through studying significant representative writings and biographies.

REL 347. WOMEN AND RELIGION **4 sh**
 The course considers the influence of religion on women in the home, church and society through the years, and the impact of women past and present on religion, religious thinking and religious institutions.

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. (REL 348 is the same course as PHL 348.)

REL 355. PHILOSOPHY OF RELIGION **4 sh**
 (Same course as PHL 355. See PHL 355 for description.)

EASTERN AND ISLAMIC STUDIES

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 356. 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 357. ISLAM **4 sh**
 Study of the history, scripture and beliefs of Islam gives attention to Islam as an influential force in the contemporary world.

SPECIAL COURSES

REL 365. LITERATURE AND THEOLOGY **4 sh**
 (Same course as ENG 365. See ENG 365 for description.)

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 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. Required of all majors during senior year.

Science

Associate Professor: Agnew, N. Harris, Seidel, Wright

Assistant Professors: Carloye, 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 341	Animal Physiology	
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 341 Animal Physiology
- 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
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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

TOTAL	40 sh
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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
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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, 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