

professor of military science.

PHILOSOPHY AND RELIGION MINOR (18 HOURS)

Select 9 hours from the following:

PHI 2201	(3)	Introduction to Political Philosophy
PHI 2203	(3)	Introduction to Philosophy
PHI 2204	(3)	Ethics and the Modern World
PHI 2205	(3)	Introduction to Logic
PHI 2210	(3)	Critical Thinking
PHI 2215	(3)	General Topics in Philosophy
PHI 2280	(1-3)	Travel Study in Philosophy
REL 2210	(3)	Introduction to Biblical Studies
REL 2230	(3)	General Topics in Religion
REL 2280	(3)	World Religions
REL 2285	(1-3)	Travel Study in Religion

Select 9 hours from the following upper division courses. At least 6 hours must be philosophy (PHI) courses.

PHI 3301	(3)	Western Philosophy
PHI 3310	(3)	Applied Ethics
PHI 3320	(3)	Non-Western Philosophies
PHI 3322	(3)	Philosophy of Religion
PHI/HIS 3365	(3)	Bioethics in Historical Context
PHI 3380	(3)	Travel Study in Philosophy
PHI 4493-94	(3)	Guided Independent Study
PHI 4495	(3)	Selected Topics in Philosophy
PHI 4499	(1-3)	Internship in Philosophy
REL 3380	(3)	Travel Study in Religion
REL 4499	(1-3)	Internship in Religion
ANT 3340	(3)	Language in Culture and Society
ANT 3360	(3)	Magic, Witchcraft, and Religion
CLA 3311	(3)	Civilization of Greece
HIS 3302	(3)	History of Religion in the United States
HIS 3331	(3)	Western Thought since the 17th Century
HIS 4452	(3)	History of the Medieval Middle East
HIS 4453	(3)	History of the Modern Middle East
HIS 4463	(3)	Europe in the Age of Enlightenment

PHYSICS MAJOR (37 HOURS)

Area III

MTH 1125	(4)	Calculus I
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab

Area V

CS 2250	(3)	Computer Science I
MTH 1126	(4)	Calculus II*

*Note: *Students selecting a minor in Mathematics or a second major in Mathematics will meet the Calculus II requirement in the Mathematics Major/Minor rather than in Area V.*

Required courses (20 hours)

PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
PHY 3325	(3)	Thermodynamics
PHY 4420	(3)	Mechanics
PHY 4435	(3)	Electricity & Magnetism
PHY 4445	(3)	Quantum Mechanics I

Select a minimum of 17 semester hours from the courses listed below:

MTH 2227	(4)	Calculus III
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MTH 3364	(3)	Vector Calculus
PHY 3320	(3)	Mathematical Methods for Physicists
PHY 3321	(3)	Scientific Computing
PHY 3359	(3)	Waves and Optics
PHY L359	(1)	Waves and Optics Lab
PHY 4438	(3)	Electromagnetic Fields
PHY 4440	(3)	Dynamics of Particles & Systems
PHY 4446	(3)	Quantum Mechanics II
PHY 4460	(3)	Relativity I
PHY 4470	(3)	Nuclear Physics
PHY 4475	(3)	Particle Physics
PHY 4478	(3)	Relativity II
PHY 4482	(3)	Introduction to String Theory
PHY 4483-85	(1)	Seminar in Relativity
PHY 4495	(3)	Topics in Physics
PHY 4491-92	(3)	Guided Independent Research
PHY 4493-94	(3)	Guided Independent Study

PHYSICS AND MATHEMATICS DOUBLE MAJOR

Students seeking a double major in Physics and Mathematics should consult with their advisers in both the Physics and Mathematics Departments.

PHYSICS MINOR (18-19 HOURS)

PHY 2262	(3)	Physics I Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab

Select an additional six to seven hours of adviser-approved, upper-level physics courses.

POLITICAL SCIENCE MAJOR (36 HOURS)

Area V Requirements

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	The University Experience
POL 2241	(3)	American National Government or placement in POL 2240
POL 2260	(3)	World Politics

Major Requirements

POL 3300	(3)	Foundations of Political Science
POL 3330	(3)	Political Theory
POL 3390	(3)	The Art of Political Science Research

Select one of the following concentrations:

American Politics and Public Administration Concentration

POL 3340	(3)	U. S. Government—Executive Branch
POL 3341	(3)	U. S. Government—Legislative Branch
POL 3342	(3)	U. S. Government—Judicial Branch

Select six hours from the following:

POL 3343	(3)	American Political Processes
POL 3355	(3)	Southern Politics
POL 3364	(3)	State and Local Politics
POL 3338	(3)	Women in Politics
POL 3339	(3)	African-American Politics
POL 4405	(3)	Political Behavior and Public Opinion
POL 4420	(3)	Constitutional Law
POL 4421	(3)	Introduction to Public Administration
POL 4422	(3)	Public Policy Making
POL 4424	(3)	Contemporary American Foreign Policy
POL 4432	(3)	Comparative Public Policy
POL 4451	(3)	Public Personnel Administration
POL 4453	(3)	Bureaucratic Politics
POL 4469	(3)	Religion in Politics
POL 4472	(3)	Administrative Law

Select an additional 12 hours of upper-level (3000-4000) political science courses, as approved by your academic adviser.

International Politics Concentration:

POL 3351	(3)	International Relations
POL 4410	(3)	International Political Economy
POL 4433	(3)	Comparative Government

Select six hours from the following:

POL 4405	(3)	Political Behavior and Public Opinion
POL 4415	(3)	International Conflict
POL 4424	(3)	Contemporary American Foreign Policy
POL 4432	(3)	Comparative Public Policy
POL 4445	(3)	Inter-American Relations
POL 4450	(3)	Latin American Politics
POL 4452	(3)	International Law
POL 4460	(3)	Intercultural Relations
POL 4464	(3)	Arab-Israeli Conflict
POL 4465	(3)	Politics of the Developing World
POL 4466	(3)	Middle Eastern Politics
POL 4467	(3)	Asian Politics
POL 4468	(3)	Russian Politics
POL 4470	(3)	European Politics
POL 4474	(3)	Terrorism and Political Violence
POL 4476	(3)	Politics of Southeast Asia

Select an additional 12 hours of upper-level (3000-4000) political science courses, as approved by your academic adviser.

Accelerated Law Curriculum Option:

Students majoring in Political Science and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

15 hours of Law courses will be transferred from the partnered law institution

The following six (6) hours from the partnered institution will be transferred into the Political Science Major electives:

Civil Procedure I	— 3 credit hours
Civil Procedure II	— 3 credit hours

POLITICAL SCIENCE MINOR (18 HOURS)

POL 3300	(3)	Foundations of Political Science
POL 3330	(3)	Introduction to Political Theory

Select an additional 12 hours of upper level courses, as approved by your academic adviser.

AMERICAN POLITICS MINOR (18 HOURS)

Required Courses (9 hours)

POL 3340	(3)	U. S. Government—Executive Branch
POL 3341	(3)	U. S. Government—Legislative Branch
POL 3342	(3)	U. S. Government—Judicial Branch

Select three of the following courses (9 hours)

POL 3343	(3)	American Political Processes
POL 3355	(3)	Southern Politics
POL 3364	(3)	State and Local Politics
POL 3338	(3)	Women in Politics
POL 3339	(3)	African-American Politics
POL 4405	(3)	Political Behavior and Public Opinion
POL 4420	(3)	Constitutional Law
POL 4421	(3)	Introduction to Public Administration
POL 4422	(3)	Public Policy Making
POL 4424	(3)	Contemporary American Foreign Policy
POL 4432	(3)	Comparative Public Policy
POL 4451	(3)	Public Personnel Administration
POL 4453	(3)	Bureaucratic Politics
POL 4469	(3)	Religion in Politics
POL 4472	(3)	Administrative Law

INTERNATIONAL RELATIONS MINOR (18 HOURS)

Required course (9 hours)

POL 3351	(3)	International Relations
POL 4410	(3)	International Political Economy
POL 4433	(3)	Comparative Government

Select three hours from the following courses (9 hours)

POL 3300	(3)	Foundations of Political Science
POL 4405	(3)	Political Behavior and Public Opinion
POL 4415	(3)	International Conflict
POL 4424	(3)	Contemporary American Foreign Policy
POL 4432	(3)	Comparative Public Policy
POL 4445	(3)	Inter-American Relations
POL 4450	(3)	Latin American Politics
POL 4452	(3)	International Law
POL 4460	(3)	Intercultural Relations
POL 4464	(3)	Arab-Israeli Conflict
POL 4465	(3)	Politics of the Developing World
POL 4466	(3)	Middle Eastern Politics
POL 4467	(3)	Asian Politics
POL 4468	(3)	Russian Politics
POL 4470	(3)	European Politics
POL 4474	(3)	Terrorism and Political Violence
POL 4476	(3)	Politics of Southeast Asia

SCIENCE EDUCATION

Students seeking Alabama teacher certification should select the comprehensive science program as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

SOCIAL SCIENCE EDUCATION

Students seeking Alabama teacher certification should consult the College of Education portion of the catalog for major requirements. Students should consult their education advisers concerning all certification requirements and with their academic discipline adviser for requirements in the major.

SOCIAL SCIENCE MAJOR (36 HOURS)

Specialized General Studies Requirements

Area V Requirements

STAT 2210	(3)	Introductory Statistic
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Requirements for the Major

SS 2220	(3)	Introduction to Social Science
SS 3375	(3)	Research Methods in the Social Sciences
GIS 3390	(3)	Fundamentals of Geographic Information and Analysis
SS 3376	(3)	Social Science Statistics
SS 4498	(3)	Social Science Theory
SS 4499	(3)	Senior Seminar

Select an additional 18 hours of approved upper-level courses in at least three disciplines from the following: anthropology, economics, geography, history, political science, psychology, sociology, criminal justice, or as approved by the department chair

Accelerated Law Curriculum Option:

Students majoring in Social Science and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

15 hours of Law courses will be transferred from the partnered law institution

The following six (6) hours from the partnered institution will be transferred into the Social Science Major electives:

Civil Procedure I — 3 credit hours

Civil Procedure II— 3 credit hours

SOCIAL SCIENCE MINOR: GENERAL SOCIAL SCIENCE (18 HOURS)

Select an additional 18 hours from at least **three** of the following: anthropology, criminal justice, economics, geography, history, political science, psychology, social science, or sociology. At least 12 hours must be 3000/4000 level.

SOCIOLOGY MAJOR (36 HOURS)

Area IV Requirements

SOC 2275 (3) Introduction to Sociology

Area V Requirements

IS 2241 (3) Computer Concepts and Applications

TROY 1101 (1) The University Experience

STAT 2210 (3) Introductory Statistics

Requirements for the Major

SOC 3375 (3) Research Methods in the Social Sciences

SOC 3376 (3) Sociological Statistics

SOC 4498 (3) Sociological Theory

SOC 4499 (3) Professional Seminar in Sociology

Select an additional 24 hours of approved upper-level sociology courses.

Accelerated Law Curriculum Option:

Students majoring in History and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

15 hours of Law courses will be transferred from the partnered law institution

The following six (6) hours from the partnered institution will be transferred into the Sociology Major electives:

Civil Procedure I — 3 credit hours

Civil Procedure II— 3 credit hours

SOCIOLOGY MINOR (18 HOURS)

SOC 2275 (3) Introduction to Sociology

Select 15 hours of approved, upper-level Sociology courses. SOC 2280 may be applied toward the minor.

SURVEYING AND GEOMATICS SCIENCES PROGRAM (53 HOURS)

Area II:

ART 2201 (3) Introductory Drawing

Select remaining Area II courses as specified in the General Studies section of this catalog.

Area III Requirements

MTH 1125 (4) Calculus I

Select an 8 hour physics sequence with labs:

PHY 2252 (3) General Physics I

PHY L252 (1) General Physics I Laboratory

PHY 2253 (3) General Physics II

PHY L253 (1) General Physics II Laboratory

OR

PHY 2262 (3) Physics I with Calculus

PHY L262 (1) Physics I with Calculus Laboratory

PHY 2263 (3) Physics II with Calculus

PHY L263 (1) Physics II with Calculus Laboratory

Area V Requirements

CS 2250 (3) Computer Science I

IS 2241 (3) Computer Concepts & Application

MTH 2230 (3) Applied Linear Algebra

STAT 2210 (3) Introductory Statistics

TROY 1101 (1) The University Experience

Program Requirements

GEM 1100 (2) Computer-Aided Drafting I

GEM 1101 (2) Computer-Aided Drafting II

GEM 2220 (3) Basics of Surveying

GEM L220 (1) Basics of Surveying Lab

GEM 3309 (3) Land Survey Principles

GEM L309 (1) Land Survey Principles Lab

GEM 3310 (3) Land Survey Practice

GEM L310 (1) Land Survey Practice Lab

GEM 3330 (3) Advanced Measurement Analysis

GEM L330 (1) Advanced Measurement Analysis Lab

GEM 3366 (3) Photogrammetry and Remote Sensing

GEM 3379 (3) Introduction to Least Squares Adjustment

GIS 3390 (3) Fundamentals of Geographic Information and Analysis

GIS 3391 (3) Application of Geospatial Information Sciences

GEM 4405 (3) Route & Construction Surveying

GEM L405 (1) Route & Construction Surveying Lab

GEM 4407 (3) Land Development

GEM L407 (1) Land Development Lab

GEM 4408 (3) Geodesy & Geodetics

GEM 4409 (3) Hydrology

GEM L409 (1) Hydrology Lab

GEM 4410 (3) Introduction to Global Positions

GEM 4490 (1) Geomatics Capstone

Select two hours below:

GEM 4499 (2) Geomatics/GIS Projects

OR

GEM 3395 (1) Cooperative Work Experience I and

GEM 4496 (1) Cooperative Work Experience II

SURVEYING AND GEOMATICS SCIENCES MINOR (20 HOURS)

Required Courses:

GEM 1100 (2) Computer-Aided Drafting

GEM 2220 (3) Basics of Surveying

GEM 3309 (3) Land Surveying Principles

GIS 3390 (3) Fundamentals of Geographic Information and Analysis

GEM 4408 (3) Geodesy and Geodetics

GEM 4409 (3) Hydrology

GEM 4410 (3) Introduction to Global Positions (GPS)

UNMANNED AERIAL SYSTEMS MINOR (18 HOURS)

Required Courses:

UAS 2200 (3) Unmanned Aerial Systems Overview

UAS 2202 (3) Principles of UAS Design

UAS 2204 (3) Principles of UAS Sensors & Sensing Systems

UAS 2206 (3) Human Factors In UAS Operations & Accidents

UAS 2208 (3) Legal & Ethical Considerations for UAS Operations

Select 3 semester hours from the following:

UAS 2210 (3) UAS Real World Applications

UAS 2212 (3) UAS Piloting Familiarization

