

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a diverse community of educators, students, and researchers from across the country and around the world who work together to advance the boundaries of human knowledge, foster critical thinking skills, promote intellectual inquiry, and develop an understanding of different human cultures necessary to become engaged global citizens.

These goals compel a commitment to creativity and inquiry free of bias and based upon the principles of objective scholarship. They require a responsibility to promote and convey those elements of the liberal arts and sciences that must be essential components of the educational goals of all units of the university. The college seeks richness through diversity of its programs and strength through erudition.

The College of Arts & Sciences is the university's largest and oldest; it teaches the most students, and provides the backbone for Troy University's educational and research missions. As a result, you will find a broad array of academic programs that will pre-

pare you for careers in public and private sectors as well as post-graduate and professional schools. These programs emphasize the core values of a classic liberal arts education, as well as the skills and flexibility one will need to meet the challenges of the 21st-century workplace.

A degree from the College of Arts & Sciences is much more than preparation for a career—it is preparation for a complete, rich, and rewarding life.

In addition to general studies courses, major courses and minor courses, sufficient free electives should be chosen to total at least 120 hours.

As part of ongoing planning and evaluation, the College of Arts and Sciences regularly evaluates student learning outcomes for each degree program.

COLLEGE OF ARTS & SCIENCES GLOBAL SCHOLARS PROGRAM (TROY CAMPUS)

The College of Arts & Sciences (CAS) Global Scholars Program (and CAS Global Scholars Program) is open to all students. Each cohort will be limited to 25 students. Program benefits include:

Designation of Global Scholar appearing both on student diplomas and transcripts attesting to the graduate's international awareness and global preparedness.

Meaningful international travel experience for the purpose of professional development in the student's chosen field of study. (Most students will qualify for generous supplemental funding for international travel.)

Regular interaction with international students on campus at Troy University.

Resume and character-building service learning opportunities in cultural and international contexts.

Strong relationships with mentors here at Troy University, which will produce highly trained graduates with the connections needed to compete for jobs and funded graduate programs.

Students who complete 12 credit hours of language, which is an optional part of this program, will be able to graduate with a Bachelor of Arts (BA) degree, rather than a Bachelor of Science (BS) degree if so desired. Students interested in service abroad after college are encouraged to inquire about Troy University's Peace Corp Prep Program, which can be completed as part of the CAS Global Scholar Program.

Additional information and a link to the application form can be found on the program website at <https://www.troy.edu/casglobalscholars>.

Requirement 1 - Directed Coursework (18-36 credit hours)

Aimed at international awareness and global preparedness selected from the following three categories. Classes that fulfill this requirement can also be used to satisfy BA language requirements and one of the following categories of classes: general studies requirements, major requirements, minor requirements, or free elective requirements. Global Scholars are expected to maintain good academic standing in their program, major, and minor. Student's whose GPA falls below 2.75 will be required to meet with the CAS Global Scholar Program Director

for academic counseling.

General Studies Classes*

ART 2250	(3)	Survey of Art History I	(Program) 5.7
ART 2251	(3)	Survey of Art History II	(Program) 5.7
ENG 2206	(3)	World Literature before 1660	
MUS 2240	(3)	World Music Cultures	
IDS 2230	(3)	Int. Engagement Seminar	
PHI 2204	(3)	Ethics and the Modern World	
REL 2280	(3)	World Religions	
HIS 1122	(3)	World History to 1500	
HIS 1123	(3)	World History from 1500	
ANT 2200	(3)	Anthropology	
BUS 1120	(3)	The Global Challenge	
BUS 1121	(3)	The Global Challenge Honors	
GEO 2210	(3)	World Regional Geography	
POL 1101	(3)	Politics and Popular Culture	
POL 2260	(3)	World Politics	
POL 2270	(3)	Terrorism and Counterterrorism	
SOC 2275	(3)	Introduction to Sociology	

Inter-Cultural Competency Classes*

ANT 3310	(3)	Cultural Anthropology
POL 2260	(3)	World Politics
POL 4460	(3)	Intercultural Relations
ANT 3340	(3)	Language in Culture and Society
ANT 4411	(3)	High Civilizations of the New World
GEO 2210	(3)	World Regional Geography
GEO 3301	(3)	Principles of Cultural Geography
GEO 3307	(3)	Geography of Europe
POL 4450	(3)	Latin American Politics
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

Language Classes*

Select classes in the following languages:

Spanish
French
German
Greek

Latin
 Chinese
 Japanese
 Korean
 Russian

**CAS Global Scholar Program Directors may approve additional classes as appropriate*

Requirement 2 – Directed Professional Development Abroad

To provide area-specific training, such as research or on-the-job training, in an international context.

Requirement 3 – Directed Methodological Training

To provide the necessary skills to conduct research or other career-specific activities in the international context.

Requirement 4 – Directed International Service Learning (50 hours)

To foster regular interaction with international students at Troy University.

ACCELERATED LAW CURRICULUM (58 HOURS)

- Students interested in the Accelerated Law Curriculum must complete the requirements for a major in Anthropology, Criminal Justice, History, Political Science, Social Science, or Sociology by the end of the third year of study at Troy University (or semester prior to attending partnered institution)
- Students interested in the Accelerated Law Curriculum must meet the admission requirements and be accepted to a partnered institution. Students must take the LSAT exam as part of the admissions requirement.
- Students must successfully complete 30 semester hours of law courses outlined by the partnered institution in order to receive Troy University credit.
- In addition to completing the major requirements, students must minor in Legal Studies
- Students will receive both a faculty adviser for their declared major as well as an adviser for the Accelerated Law program.
- For the Legal Studies Minor (18 hours)- Students must complete the following classes at Troy University:
 LGL 2200 (3) Introduction to Legal Studies
 LGL 3300 (3) Legal Research and Writing
 LGL 4400 (3) Seminar in Legal Studies

The following 9 hours will be completed at the partnered law school and transferred to Troy University to complete the minor:

Mississippi College of Law

LAW 502 (3) Torts
 LAW 582 (2) Legal Analysis and Communication I
 LAW 580 (1) Legal Research I
 LAW 583 (2) Legal Analysis and Communication II
 LAW 581 (1) Legal Research II

Cumberland School of Law, Stanford University

Lawyering and Legal Reasoning I — 3 credit hours
 Lawyering and Legal Reasoning II — 3 credit hours
 Evidence — 3 credit hours

Jones School of Law, Faulkner University

Legal Reasoning, Writing, & Research — 3 credit hours
 Foundations of Law — 3 credit hours
 Foundations of Legal Prof. — 1 credit hour

Legal Analysis and Persuasion — 2 credit hours

7. Upon successful completion of the designated 30 semester hours of courses at the partnered institution, students may be awarded a Bachelor's Degree in one of the designated majors with a minor in Legal Studies.

AIR FORCE ROTC/AEROSPACE STUDIES MINOR (18 HOURS)

Those students pursuing a career in the Air Force will be individually advised by the faculty as to commissioning requirements and courses needed.

AS 3312	(3)	Leading People and Effective Communication I
AS 3313	(3)	Leading People and Effective Communication II
AS 4412	(3)	National Security and Preparation for Active Duty I
AS 4413	(3)	National Security and Preparation for Active Duty II

Select two three-hour courses from upper level political science (POL), history (HIS), geography (GEO), Geographic Information Sciences (GIS), leadership (LDR), or social sciences (SS)*

**Independent Study and Research program credit(s) may be applied with prior approval by the Department of Aerospace Studies.*

ANTHROPOLOGY MAJOR (36 HOURS)

Area IV

Anthropology majors should take Area IV electives appropriate for their major.

Area V

ANT 2200	(3)	Anthropology
STAT 2210	(3)	Introductory Statistics

Major Requirements:

ANT 3305	(3)	Introduction to Archaeology
ANT 3310	(3)	Cultural Anthropology
ANT 3311	(3)	Physical Anthropology
ANT 3340	(3)	Language in Culture and Society
ANT 3376	(3)	Anthropological Statistics
ANT 4498	(3)	Anthropological Theory

Select at least 18 hours of additional 3000/4000 level anthropology courses as approved by your faculty adviser

Accelerated Law Curriculum Option:

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

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

The following nine (9) hours from the partnered institution will be transferred into the Anthropology Major electives:

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

ANTHROPOLOGY MINOR (18 HOURS)

ANT 2200	(3)	Introduction to Anthropology
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Select at least 15 hours of additional 3000/4000-level anthropology courses as approved by your faculty adviser.

ARCHAEOLOGY MINOR (18 HOURS)**Required Courses:**

A grade of "C" or better is required

ANT 3305	(3)	Introduction to Archaeology
ANT 3312	(3)	Field Techniques in Archaeology
ANT 4460	(3)	Archaeological Method and Theory

An additional 9 hours from 3000/4000 level courses can be selected from the following departments: Art History, Classics, Geomatics, GIS, Geography, History, Philosophy, Religion, and approved by an Anthropology faculty

AVIATION OPERATIONS MINOR (18 HOURS)

Rotary Emphasis and Fixed Wing Emphasis – Equivalent credit toward the completion of the Aviation Operations minor/Rotary emphasis and the Aviation Operations minor/Fixed Wing emphasis may be earned through Federal Aviation Administration (FAA) certification and licensure in such areas as private pilot, commercial pilot and flight instruction.

For information regarding the Rotary emphasis and Fixed Wing emphasis of the Aviation Operations minor, contact the Dean of Undergraduate and First Year Studies in 117 Eldridge Hall, Troy Campus.

BACHELOR OF APPLIED SCIENCE IN RESOURCE AND TECHNOLOGY MANAGEMENT (36 HOURS)**Area IV Requirements**

Choose six credit hours from the following:

ANT 2200	(3)	Anthropology
CJ 1101	(3)	Introduction to Criminal Justice
ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics
GEO 2210	(3)	World Regional Geography
LDR 1100	(3)	Introduction to Leadership
PHI 2205	(3)	Introduction to Logic
PHI 2210	(3)	Critical Thinking
SOC 2275	(3)	Introduction to Sociology

Area V Requirements

TROY 1101	(1)	The University Experience
IS 2241	(3)	Computer Concepts and Applications
STAT 2210	(3)	Introductory Statistics

Required Core Courses (18 Hours)

Select 18 hours from the following courses:

MGT 3300	(3)	Principles of Management
MKT 3300	(3)	Principles of Marketing
CS 3310	(3)	Foundations of Computer Science
SS 3375	(3)	Research Methods in the Social Sciences
SCI 3365	(3)	Principles of Applied Science
BIO 4465	(3)	Occupational Safety and Health
PSY 4410	(3)	Business and Industrial Psychology
LDR 3300	(3)	Leadership Theory

Chose Either Option 1 or Option 2**Option 1 – 18 Hours**

Select two (2) of the following concentrations:

Human Resources

Select nine (9) hours from the following:

HRM 4482	(3)	Managing Health, Safety, and Diversity
HRM 4455	(3)	Employment Law
HRM 4483	(3)	Human Resources Development
MGT 4472	(3)	Organizational Behavior

Leadership

Select 9 hours from the following:

LDR 3320	(3)	Great Leaders
LDR 2200	(3)	Tools for Leadership
LDR 4400	(3)	Leadership Seminar
LDR 4402	(3)	Leadership Seminar Field Experience

Sociology

Select 9 hours from the following:

SOC 3370	(3)	Society and Environment
SOC 4411	(3)	Population and Society
SOC 4413	(3)	Sociology of Race and Ethnicity
SOC 4445	(3)	Trends in Globalization

Criminal Justice

Select 9 hours from the following:

CJ 3335	(3)	Security Operations
CJ 3380	(3)	Digital Forensics I
CJ 4472	(3)	Cyber Crime
CJ 4475	(3)	Seminar in Cyber Security

Computer Science

Select 9 hours from the following:

CS 2250	(3)	Computer Science I
CS 2255	(3)	Computer Science II
CS 3334	(3)	Foundations of Cyber Security
CS 3375	(3)	Foundations of Networking

Science

Select 9 hours from the following:

BIO 4460	(3)	Critical Issues in Environmental Management
SCI 3370	(3)	Toxic, Radioactive, and Hazardous Materials
SCI 4450	(3)	Science in Regulatory Environment
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

Option 2– 18 Hours

Transfer of ***Specialized technical courses**. (not to exceed 18 semester hours.)

***Specialized technical courses.**

Credit will be awarded for specialized technical knowledge based upon American Council of Education (A.C.E.) credit recommendations or transfer work from regionally accredited (Southern Association of Colleges and Schools, Middle States Association of Colleges and Schools, etc.) post-secondary community college, or technical schools as approved by the Academic Council. Specializations are not available in fields of study that are offered through Troy University as majors, programs, or minors, e.g., nursing, computer science, information systems, or education. Exceptions to the use of a Troy University minor are the programs in Aviation Operations and Advanced Professional Flight. Program requirements for either minor may be used to satisfy the 18 hours of specialized technical courses.

Eligibility

Eligibility for enrollment in one of the applied science degree programs is dependent upon prior education and/or experience. Before enrollment in one of the programs, official documentation of prior learning must be submitted to determine eligibility. All post-secondary technical school transfer students must complete all courses required in the institution's curriculum and earn (if appropriate) a diploma or certificate before being granted admission into the resources management degree program. No additional credit will be awarded for the possession of a license (i.e., all credit awarded is based on documentation of training and evaluation leading to the issue of a license, not the mere possession of a license). All credit from the Community College

BIO 2220	(3)	Principles of Cell Biology
BIO L220	(1)	Principles of Cell Biology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3347	(3)	Human Anatomy & Physiology I
BIO L347	(1)	Human Anatomy & Physiology I Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
GEO 3300	(3)	Principles of Physical Geography
STAT 2210	(3)	Introductory Statistics
PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
PHY 3359	(3)	Waves and Optics
PHY L359	(1)	Waves and Optics Lab

CS 4447	(3)	Systems Analysis and Design
CS 4451	(3)	Computer Security
CS 4461	(3)	Software Engineering II
CS 4462	(3)	Special Topics in Object-Oriented Technology
CS 4495	(3)	Special Topics in Computer Science

COMPUTER SCIENCE MINOR (18 HOURS)

CS 2250	(3)	Computer Science I
CS 2255	(3)	Computer Science II

Select 12 semester hours of computer science courses with at least one course being at the 4000 level.

COMPUTER SCIENCE PROGRAM (48 HOURS)

Specialized General Studies Requirements

Area III

MTH 1125	(4)	Calculus I, in lieu of MTH 1110
PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab

OR

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab

Complete additional four hours of any 1000-2000 level laboratory science classes (lecture and lab both required) from the following science disciplines: Biology, Chemistry, Physics, Physical Science, or other Science areas.

Area V Requirements

CS 2220	(3)	Numerical Methods in Computing
CS 2250	(3)	Computer Science I
MTH 1126	(4)	Calculus II
TROY 1101	(1)	The University Experience

Required Courses:

CS 2255	(3)	Computer Science II
CS 3310	(3)	Foundations of Computer Science
CS 3323	(3)	Data Structures
CS 3329	(3)	Analysis of Algorithms
CS 3332	(3)	Software Engineering I
CS 3360	(3)	Concepts of Object-Oriented Programming I
CS 3365	(3)	Introduction to Computer Organization and Architectures
CS 3370	(3)	Nature of Programming Languages
CS 3372	(3)	Formal Languages and the Theory of Computation
CS 4420	(3)	Introduction to Database Systems
CS 4445	(3)	Data Communication and Networking
CS 4448	(3)	Operating Systems
STAT 2210	(3)	Introductory Statistics
MTH 2215	(3)	Applied Discrete Mathematics

Select two of the following:

CS 3320	(3)	Business Systems Programming
CS 3325	(3)	Operations Research
CS 3331	(3)	Fundamentals of Artificial Intelligence
CS 3361	(3)	Concepts of Object-Oriented Programming II
CS 4401	(3)	Advanced Artificial Intelligence
CS 4410	(3)	Introduction to Machine Learning
CS 4443	(3)	Web Application Development

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 Criminal Justice Major electives:

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

CRIMINAL JUSTICE MINOR (18 HOURS)

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| CJ 1101 | (3) | Introduction to Criminal Justice and Criminology |
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Select 15 additional hours of upper-level criminal justice courses as approved by the adviser.

CYBER SECURITY PROGRAM

Specialized General Studies Requirements

Area III

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|----------|-----|---------------------------------|
| MTH 1125 | (4) | Calculus I, in lieu of MTH 1110 |
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Complete eight hours of any 1000-2000 level laboratory science classes (lecture and lab both required) from the following science disciplines: Biology, Chemistry, Physics, Physical Science, or other Science areas.

Area V Requirements

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|-----------|-----|----------------------------|
| CS 2250 | (3) | Computer Science I |
| TROY 1101 | (1) | The University Experience |
| STAT 2210 | (3) | Introduction to Statistics |

Required Courses (54 hours)

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|---------|-----|---|
| CJ 3380 | (3) | Digital Forensics I |
| CJ 4472 | (3) | Cyber Crime |
| CS 2255 | (3) | Computer Science II |
| CS 3323 | (3) | Data Structures |
| CS 3360 | (3) | Concepts of Object-Oriented Programming I |
| CS 3365 | (3) | Introduction to Computer |

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GENERAL EDUCATION A.S. DEGREE (60 HOURS)**Associate of Science Degree**

See the academic regulations section of this catalog for additional information regarding associate degrees.

Note: Students who pursue a baccalaureate degree with Troy University following the completion of the Associate of Science in General Education must meet the minimum grade requirements in mathematics.

General Studies Requirements**Area I**

- ENG 1101 (3) Composition & Modern English I
ENG 1102 (3) Composition & Modern English II

Area II

Select one of the following:

- ART 1133 (3) Visual Arts
THE 1130 (3) Introduction to Theatre
MUS 1131 (3) Music Appreciation

Select one of the following:

- ENG 2205 (3) World Literature before 1660
ENG 2206 (3) World Literature after 1660
ENG 2211 (3) American Literature before 1875
ENG 2212 (3) American Literature after 1875
ENG 2244 (3) British Literature before 1785
ENG 2245 (3) British Literature after 1785

Area III

Select one of the following:

- MTH 1110 (3) Finite Mathematics
MTH 1112 (3) Pre-calculus Algebra

Select one science course and corresponding lab:

- BIO 1100 (3) Principles of Biology
BIO L100 (1) Principles of Biology Lab
SCI 2233 (3) Physical Science
SCI L233 (1) Physical Science Lab
SCI 2234 (3) Earth and Space Science
SCI L234 (1) Earth and Space Science Lab

Area IV

Select one of the following:

- HIS 1101 (3) Western Civilization I
HIS 1102 (3) Western Civilization II
HIS 1111 (3) U.S. to 1877
HIS 1112 (3) U.S. since 1877
HIS 1122 (3) World History to 1500
HIS 1123 (3) World History from 1500

Area V

- IS 2241 (3) Computer Concepts and Applications
TROY 1101 (1) The University Experience

Additional requirements

Select additional free electives to complete a total of 60 hours.

The completion of 12 or more elective hours within the same discipline area (English, Math, History, etc) will constitute an emphasis area with the Associate's degree. Emphasis areas are not required for the completion of the Associate's degree.

**GEOGRAPHIC INFORMATION SCIENCES (GIS)
MAJOR (36 HOURS)****Specialized General Studies Requirements****Area II**

- COM 2241 (3) Fundamentals of Speech

Area III

- MTH 1114 (3) Pre-Calculus Trigonometry

- SCI 2233 (3) Physical Science
SCI L233 (1) Physical Science Lab

Area V

- IS 2241 (3) Computer Concepts and Applications
TROY 1101 (1) The University Experience
STAT 2210 (3) Introductory Statistics
BIO 1120 (3) Survey of Environmental Sciences
BIO L120 (1) Survey of Environmental Sciences Lab
CS 3310 (3) Foundations of Computer Sciences
SS 3375 (3) Research Methods in the Social Sciences

Major Requirements

- GIS 3301 (3) Cartography and Geo-Visualization
GIS 3305 (3) Spatial Information and Analysis
GIS 3310 (3) Introduction to Remote Sensing
GIS 3390 (3) Fundamentals of Geographical Information and Analysis
GIS 3391 (3) Application of Geospatial Information Sciences
GEO 3300 (3) Principles of Physical Geography
GEO 3301 (3) Principles of Cultural Geography

Select one of the following:

- GIS 4490 (3) GIS Senior Project
GIS 4499 (3) GIS Internship

Select one of the following concentrations:

- Geographic Information Sciences (GIS) Concentration
GIS 4401 (3) Spatial Database Design and Management
GIS 4405 (3) Geospatial Modeling and Programming
GIS 4415 (3) Advanced Geospatial Technologies
GIS 4420 (3) Web-Based GIS/Spatial Data Applications

Geography Concentration

Select two course from the following courses:

- GEO 3350 (3) Weather and Climate
GEO 4401 (3) Political Geography
GEO 4401 (3) Urban Geography
GEO 4401 (3) Asian Geography
GEO 4406 (3) International
GEO 4406 (3) International
GEO 4411 (3) Population Geography

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 ExecuTT0 Td(e B Td)- PochAcce
