

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is, from both historical and functional points of view, the core of the modern university. The College of Arts and Sciences views creativity, inquiry and understanding as among the greatest values in human experience. Thus, the College of Arts and Sciences is dedicated to the questioning, creation and transmission of knowledge; to the provision of undergraduate and graduate educational programs that are responsive to the need of an enlightened and productive citizenry; and to the provision of programs and services that enhance the

quality of life of the people it serves.

These goals complete a commitment to creativity and inquiry free of bias and based upon the principles of objective scholarship. The College's goals 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.

Degree Program	Troy Campus	Phenix City Campus	Dothan Campus	Montgomery Campus	Global Campus*	Troy Online
Biomedical Sciences	X					
Computer Science	X			X		
Computer Network and Security Concentration						
Artificial Intelligence Concentration						
Software Development Concentration						
Criminal Justice	X		X			X
Security Studies Concentration						
Environmental & Biological Sciences	X					X
International Relations	X				X	X
Public Administration	X				X	X
Social Science	X					X
Certificate in Biomedical Sciences	X					
Certificate in Public Health Administration	X					X

* Please refer to <http://admissions.troy.edu/> for specific program availability by location

MASTER OF SCIENCE IN BIOMEDICAL SCIENCES (M.S. BMS)

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

Mission

The M.S. program and certificate in the Biomedical Sciences are designed to achieve the following: 1) to prepare students for future entry into medical and other professional schools in the health sciences and 2) to provide students with advanced knowledge in the biomedical sciences.

Upon completion of the degree program, students will gain a thorough knowledge of biomedical concepts developed through courses that focus on the changing face of medicine and biotechnology. This program will foster

strategic and critical thinking, logical analysis, and propose solutions to the challenges of medicine, the allied health sciences, and biotechnology.

The expected program learning outcomes of students enrolled in the Master of Science in the Biomedical Sciences include:

1. Demonstrate a conceptual competence of the basic biomedical sciences.
2. Develop a framework for maintaining technological currency in the biomedical sciences and healthcare.
3. Develop critical thinking skills for applying scientific knowledge in problem-solving.
4. Acquire skills for developing hypotheses, analyzing data, and interpreting and communicating results in the biomedical sciences.
5. Develop written and oral skills for communicating effectively and professionally.
6. Promote ethical standards for all professional activities in the biomedical sciences and healthcare.

Prerequisite Requirements

Candidates for admission must have a baccalaureate degree from a regionally accredited college or university. At a minimum,

applicants should have successfully completed genetics, human anatomy and physiology, and microbiology. Other prerequisites include physics, general chemistry, and organic chemistry. Students with undergraduate degrees outside of the biological sciences are encouraged to inquire about the program.

Admission Requirements

To apply for admission to the M.S. program in Biomedical Sciences, applicants must submit the following:

1. Completed Application for Admission to the Graduate School;
2. Official transcript(s) from all universities or colleges attended;
3. Official copy of one of the following: GRE (with writing score), GMAT or MCAT, PCAT, OAT, DAT or equivalent.
4. Two letters of recommendation from professors, physicians, or other appropriate professionals that address the applicant's potential for success in a graduate program; and
5. A 500-word personal statement that addresses the applicant's professional goals, readiness for graduate school, and potential for completing the M.S. B.M.S. program.

Unconditional Admission

Applicants may be admitted unconditionally if they meet the following requirements:

1. Applicants who have completed a master's or higher degree from a regionally accredited college or university may be admitted unconditionally. Applicants must submit all materials listed in Admission Requirements for the M.S. in Biomedical Sciences.
2. Attained a bachelor's degree from a regionally accredited college or university and achieved a minimum of 2.5 GPA in all undergraduate courses.
3. Have an acceptable score on the appropriate entrance exam: GRE 290 (recommended: 150 verbal, 140 quantitative) and GRE writing score. If the student has taken the MCAT (recommended: 487), DAT (recommended: 16) or equivalent professional exam, then this may be substituted for the GRE.

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements to a graduate program. See conditional admission requirements in the general regulations section of this *Catalog*.

Students admitted conditionally only because of a low undergraduate grade point average will be cleared of their conditional status if, at the completion of nine semester hours, they have achieved a 3.0 grade point average or greater on all graduate work attempted. Students must clear the conditional admission requirement of a 3.0 average at the completion of nine semester hours, or they will be dropped from the graduate program for one calendar year after which they may petition the Dean of the Graduate School to re-enter.

Students admitted conditionally only because of a low test score will be granted unconditional admission prior to the completion of nine semester hours provided they have maintained a 3.0 grade point average on all graduate work attempted and have re-taken the test and received a satisfactory score.

Transfer Credit

A maximum of four courses (12 semester credit hours) taken at another regionally accredited institution, each with a "B" grade or better, can be applied toward the degree. These courses must be comparable in catalog description to Troy University courses in the M.S. program in Biomedical Sciences and must be approved by the Chair of the Department of Biological and Environmental Sciences. Students who transfer a "core" course will still be held accountable for all material and Troy courses. In addition, transfer students must still successfully complete the comprehensive exam.

Degree Requirements

1. Unconditional admission
2. Overall 3.0 GPA in all graduate work completed
3. No more than two grades in any course work attempted with a grade of C or below
4. Completion of the curriculum listed below. A grade of "B" or better is required for BIO 6691 (3) Research Methodology and Experimental Design. If the student makes a "D" or "F" in an elective course, the course may be retaken or another elective taken in its place
5. For Non-Thesis Option, successful completion of all components of the comprehensive examination

Curriculum (30-31 sh)

The Master of Sciences in Biomedical Sciences is a 30-31 hour non-thesis or thesis-option degree.

** The University requires that 6000-level courses make up at least 50% of the 30-31 semester hours.*

**Courses with separate lectures and labs must be taken together.*

**Please note that 5000-level courses cannot duplicate undergraduate courses that the student has taken as an undergraduate.*

**Please note that the 6000-level core classes are ONLY offered in a 16-week format during the fall and spring semesters. Summer courses (6000-level) are offered on an 8-week format.*

**BIO 6691 (3) Research Methodology and Experimental Design requires a grade of "B" or better.*

**Under the guidance of the student's advisor and the Chair of the Department, the student may pursue original research (independent acquisition and interpretation of data) in a particular area of the biomedical sciences. The completion of a thesis is required.*

Required Core Courses (18 sh)

BMS	6615	3	Medical Microbiology and Immunology
BMS	6620	3	Neuroscience
BMS	6625	3	Medical Cell Biology
BMS	6635	3	Medical Physiology
BMS	6655	3	Clinical Biochemistry
BIO	6691	3	Research Methodology and Experimental Design

In addition to these Required Core Classes, students must take additional classes to complete the graduation requirement of 30-31 semester hours.

Elective courses Non-Thesis Option(12-13 sh)

Courses with separate lectures and labs must be taken together.

BIO	5516	3	Microbial Ecology
BIO	L516	1	Microbial Ecology Lab
BIO	5551	3	Toxicology
BIO	L551	1	Toxicology Lab
BIO	5771	3	Parasitology
BIO	L571	1	Parasitology Lab
BIO	5576	1-4	Special Topics
BIO	5580	3	Histology
BIO	L580	1	Histology Lab
BIO	5592	1-4	Guided Independent Research
BIO	5594	1-4	Guided Independent Study

BIO	6601	3	Environmental and Biological Ethics
BIO	6621	3	Environmental Toxicology
BIO	6625	1-4	Specialized Study in Biology
	6626		
BIO	6670	1-4	Special Topics
	6671		
BMS	6630	3	Medical Pharmacology
BMS	6665	3	Neuroanatomy
SOC	5555	3	Death and Dying
OR			
SOC	5560	3	Sociology of Health, Medicine, & Illness
BIO	6624	3	Public Health

Or select one (1) of the following:

PA	6675	3	Public Health Services Administration and Policy
PA	6676	3	Legal and Social Issues in Public Health Administration
PA	6677	3	Public Health Preparedness and Emergency Response
PA	6678	3	Introduction to Public Health

Comprehensive Examination

After the completion of all core course, Non-Thesis Option students must successfully complete a comprehensive examination. The comprehensive exam is given in the semester or term prior to graduation. Students should work closely with their advisor to prepare for their comprehensive exams, which will be prepared, administered, and evaluated by the graduate committee. Comprehensive exams will be taken as scheduled by the University and/or Department.

Thesis Option: (30 sh)

Required Core Courses	18 sh
Thesis Hours	6 sh
Advisor-approved Electives	6-7 sh
Total	30-31

GRADUATE CERTIFICATE IN BIOMEDICAL SCIENCES (BMS)

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

Admission Requirements

All certificate students must be admitted to the Graduate School and M.S. BMS program to qualify for the Certificate. See *Graduate Admissions* and *M.S. BMS Admission Requirements*.

Certificate Requirements

Students admitted in the M.S. BMS program may qualify for the BMS Certificate by completing the required courses and maintaining an overall 3.0 grade point average or better. The Graduate Certificate requires 18-19 semester hours of coursework as described below:

Required Courses (15 sh)

BMS	6615	3	Medical Microbiology and Immunology
BMS	6620	3	Neuroscience
BMS	6625	3	Medical Cell Biology
BMS	6635	3	Medical Physiology

BMS	6655	3	Clinical Biochemistry
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Select one course (with corresponding lab, if applicable) from the following:

BMS	6630	3	Medical Pharmacology
BMS	6665	3	Neuroanatomy
SOC	5555	3	Death and Dying
SOC	5560	3	Sociology of Health, Medicine, & Illness
BIO	6624	3	Public Health
BIO	5551	3	Toxicology
BIO	L551	1	Toxicology Lab
BIO	5771	3	Parasitology
BIO	L571	1	Parasitology Lab
BIO	5580	3	Histology
BIO	L580	1	Histology Lab
BIO	6665	3	Neuroanatomy

Other Requirements

Students who wish to be issued a certificate must submit the following to their home campus:

- Certification Intent
- Certificate Plan and Progress Record
- Copy of student transcripts

MASTER OF SCIENCE IN COMPUTER SCIENCE

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

The Master of Science degree in Computer Science prepares students for a professional career in the computer science industry, IT industry, or computer science research. Typical graduates of the program may be employed as software developers, network engineers, database administrators, or further pursue a Ph.D. degree. Objectives of the program are as follows:

1. To provide students with opportunities to refine their skills and core competencies in computer science through the advancement and development of concepts, techniques, and methodologies appropriate in the field.
2. To facilitate the development of advanced skills in an environment that will ensure both a realistic and varied exposure to contemporary information processing problems.
3. To promote the integration and application of cutting edge concepts and approaches in the computer science field.

Prerequisite Requirements

Candidates for admission must have a baccalaureate degree in Computer Science or a related field from a regionally accredited four-year college or university.

Admission Requirements

Unconditional Admission

1. Hold a bachelor's degree in Computer Science (CS) or a related field from a regionally accredited four-year college or university with a minimum overall undergraduate grade point average of

2.5 (on a 4.0 scale) or a 3.0 grade point average for the last 30 semester hours. All hours attempted in the term in which the 30 semester hours were reached will be used to calculate the grade point average. All transcripts from all colleges or universities attended are required.

2. An acceptable score on the appropriate entrance exam [GRE 286 (850 on the old exam) (verbal plus quantitative), MAT 385 or GMAT 380].
3. Acknowledgement form

Conditional Admission

For those students who cannot satisfy all unconditional admission requirements, conditional admission may be granted under certain circumstances. Individuals admitted on a conditional basis may satisfy the requirements for unconditional admission as follows:

1. Students failing to achieve the minimum entrance exam score exam [GRE 286 (850 on the old exam) (verbal plus quantitative), MAT 385 or GMAT 380] may satisfy the test requirement by successfully completing nine semester hours of graduate CS courses with a minimum grade point average of 3.0.
2. Students not having a 2.5 undergraduate grade point average may satisfy the requirement by the successful completion of nine semester hours of graduate CS courses with a minimum grade point average of 3.0.
3. A student with a bachelor's degree outside the field of CS may satisfy the bachelor's degree requirement by completing ALL of the following courses or their equivalent:

MTH 2215 – Applied Discrete Mathematics

CS 2250 – Computer Science I and

CS 2255 – Computer Science II

or

CS3360 – Concepts of Object Oriented Programming I

CS 3310 – Foundations of Computer Science

CS 3323 – Data Structures

CS 3332 – Software Engineering

Additional courses may be required by the CS Graduate Advisor depending on the student's background. A student must complete all courses with a grade point average of 3.0. *Note: To remain eligible for Federal Financial Aid, all undergraduate courses MUST be completed before students enroll in any graduate courses. Students receiving Federal Financial Aid may NOT enroll in undergraduate courses after they have begun graduate coursework.*

Transfer of Credit

A maximum of four courses (12 semester credit hours) taken at another regionally accredited institution, each with a "B" or better grade, can be applied toward the degree. These courses must be comparable in catalog description to Troy University courses in the department's graduate program and must be recommended for transfer credit by the Chair of the Department of Computer Science and approved by the Dean of the Graduate School. Non-thesis students who transfer a "core" course are still required to take a written comprehensive exam based on the material presented at Troy University.

Degree Options

There are two degree options: thesis and non-thesis. In the thesis option, the student must successfully complete and defend a thesis as well as complete other requirements stated below. See Thesis Guidelines for additional information. In the non-thesis option, the student must pass a written comprehensive exam and

must successfully complete a research paper.

Degree Requirements

The successful completion of 33 semester hours, including 6 hours of thesis research for the thesis option and 33 semester hours, including 3 hours of research project for the non-thesis option, with an overall grade point average of 3.0, and successful completion of a thesis or a paper. If the student makes a "D" or "F" in a core course, the course must be retaken. In both cases, a student must complete the Core Courses and choose one of the several specialization concentrations.

Thesis	Non-Thesis
1. Complete 33 SH of graduate -level courses to include 6 SH of course CS 6699;	1. Complete 33 SH of graduate-level courses to include 3 SH of course CS 6625;
2. Maintain a minimum overall 3.0 GPA; AND	2. Maintain a minimum overall 3.0 GPA
3. Successfully complete and defend a thesis.	3. Pass the written comprehensive examination; AND
4. 6 hours of thesis research	4. Successfully complete an approved research paper.

Curriculum

All courses offer three semester hours of credit.

Computer Network and Security Concentration Core Courses (9 sh)

CS 5549 3 Analysis of Algorithms

CS 5545 3 Computer Architecture

CS 5550 3 Operating System Principles

Select one option below:

Non-Thesis Option: (24 sh)

Required Courses: (9 sh)

CS 6676 3 Advanced Computer Network

CS 6674 3 Network and Information Security

CS 6625 3 Specialized Study in Computer Science

Elective Courses (15 sh)

Select 15 hours of advisor- approved Computer Science graduate courses.

Thesis Option: (24 sh)

Required Courses: (12 sh)

CS 6676 3 Advanced Computer Network

CS 6674 3 Network and Information Security

CS 6699 3-6 Research and Thesis

Elective Courses (12 sh)

Select 12 hours of advisor- approved Computer Science graduate courses.

Artificial Intelligence Concentration Core Courses (9 sh)

CS 5549 3 Analysis of Algorithms

CS 5545 3 Computer Architecture

CS 5550 3 Operating System Principles

Select one option below:**Non-Thesis Option: (24 sh)****Required Courses: (9 sh)**

- CS 6678 3 Advanced Artificial Intelligence
 CS 6682 3 Machine Learning
 CS 6625 3 Specialized Study in Computer Science

Elective Courses (15 sh)

Select 15 hours of advisor- approved Computer Science graduate courses.

Thesis Option: (24 sh)**Required Courses: (12 sh)**

- CS 6678 3 Advanced Artificial Intelligence
 CS 6682 3 Machine Learning
 CS 6699 3-6 Research and Thesis (6 sh)

Elective Courses (12 sh)

Select 12 hours of advisor- approved Computer Science graduate courses.

Software Development Concentration**Core Courses (9 sh)**

- CS 5549 3 Analysis of Algorithms
 CS 5545 3 Computer Architecture
 CS 5550 3 Operating System Principles

Select one option below:**Non-Thesis Option: (24 sh)****Required Courses: (9 sh)**

- CS 6680 3 Advanced Software Engineering
 CS 6640 3 Advanced Database Concepts
 CS 6625 3 Specialized Study in Computer Science

Elective Courses (15 sh)

Select 15 hours of advisor- approved Computer Science graduate courses.

Thesis Option: (24 sh)**Required Courses: (12 sh)**

- CS 6680 3 Advanced Software Engineering
 CS 6640 3 Advanced Database Concepts
 CS 6699 3-6 Research and Thesis (6)

Elective Courses (12 sh)

Select 12 hours of advisor- approved Computer Science graduate courses.

Comprehensive exam

A candidate that chooses the non-thesis option must pass the comprehensive exam before the degree can be awarded. The comprehensive exam should be taken during the students' last semester of course work. The exam format is a written exam covering the basic core courses only. Students must pass all of the 3 sections of the exam.

Thesis/Project Proposal

Students who choose the thesis option must prepare a thesis proposal no later than the second graduate academic semester and must be approved by the thesis proposal committee.

Elective Courses: (12/15 sh)

CS	6635	3	Image Processing
CS	6640	3	Advanced Database Concepts
CS	6643	3	Theory and Design of Compilers
CS	6646	3	Information Systems for Operations and Management
CS	6647	3	Simulation and Modeling
CS	6648	3	Optimization Modeling
CS	6660	3	Algorithmic Graph Theory
CS	6664	3	High-Performance Computing
CS	6666	3	Computer Graphics
CS	6668	3	Network Security
CS	6670	3	Applied System Analysis and Design

Other Electives (approved by adviser—semester hours vary)

CS	6625, 6626, 6627		Specialized Study in Computer Science*
CS	6649		Special Topics in Computer Science
CS	6699		Research and Thesis

MASTER OF SCIENCE IN CRIMINAL JUSTICE

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

The purpose of the Master of Science degree in Criminal Justice is to broaden and enhance each student's ability to understand, analyze and evaluate issues that confront the American criminal justice system. The objectives of the program's core coursework are (a) the analysis of personnel situations in light of standard personnel processes applying major personnel laws and regulations to situations arising in criminal justice organizations; (b) demonstrate a comprehensive understanding of the evolution of criminal law and procedures as evidenced by recent U.S. Supreme Court decisions; (c) critically evaluate the scholarly evidence considering the effectiveness of various crime control policies employed by the police, the courts, and the correctional system with both juvenile and adult offenders; and (d) explain situations in criminal justice and criminal behavior by applying various criminological theories; and (e) demonstrate an ability to appropriately apply various research designs and methodologies in criminal justice situations. Specific institutional objectives of the program are as follows:

1. to prepare students to fulfill a need in American society for professional law enforcement personnel and competent criminal justice administrators by providing educational programs that develop each student's problem solving skills in ways that prepare the student to address the issues that arise in the dynamic and evolving criminal justice field;
2. to develop each student's ability to synthesize and apply knowledge of the critical theories and concepts in the field of criminal justice in his/her problem solving analysis;
3. to develop each student's ability to identify and develop alternative solutions to problems that confront the modern criminal justice system based on his/her knowledge of current theories and concepts;
4. to develop each student's ability to evaluate and appropriately choose solutions to problems that confront the criminal justice system;
5. to develop each student's ability to effectively communicate the results of his/her analysis.
6. to provide students who seek administrative and managerial positions in the field of criminal justice with the credentials to qualify for those positions;
7. to provide an appropriate program of graduate study for students who are interested in research in the field of criminal justice and in advanced graduate study.

Prerequisite Requirements

The minimum requirement for admission to the Master of Science program in Criminal Justice is a baccalaureate degree from a regionally accredited four-year institution. Students who desire to enter this program but do not have a degree in criminal justice, police administration, law enforcement, or corrections may be required to meet other criteria such as additional coursework regarding undergraduate or professional preparation. Significant professional experience may be considered. However, admission to the program does not imply official admission for the degree.

Admission Requirements For Master of Science in Criminal Justice

Unconditional Admission

1. Hold a masters or higher degree from a regionally accredited university. No test score is required. An official transcript showing completion of a master's or higher degree is required.
OR
2. Hold a baccalaureate degree from a regionally accredited college or university with a minimum overall undergraduate grade point average of 2.5 (4.0 scale) or a 3.0 grade point average on the last 30 semester hours. All hours attempted in the term in which the 30 semester hours were reached will be used to calculate the grade point average. All transcripts from all colleges or universities attended are required.
AND
3. Have an acceptable score on the appropriate entrance exam [GRE 290 (850 on the old exam) (verbal plus quantitative), MAT 385 or GMAT 380].

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements to the graduate program. See Conditional Admission requirements in the general regulations section of this catalog. Students with a baccalaureate degree from an unaccredited or otherwise accredited institution should see Unaccredited or Otherwise Accredited Student Admission.

Students with academic deficiencies (course work, GPA, GRE, or MAT scores) may be required to complete additional course work before being granted unconditional admission to the program.

Accelerated BS/MSCJ Admission

Certain qualified honors students who successfully complete the Troy BS/MS in Criminal Justice Accelerated Honors Option will be allowed to transfer up to 9 hours of Master of Science in Criminal Justice graduate credit earned during their last year of undergraduate studies to the Graduate MS in Criminal Justice Program. Refer to the most recently published Undergraduate Catalog for more information about admission to the BS/MSCJ Accelerated Honors Option.

Transfer Credit

A maximum of four courses (12 semester hours) taken at another regionally accredited institution each with a grade of "B" or better can be applied toward the degree. These courses must be comparable in catalog description to Troy University courses in the Criminal Justice Graduate Program and be approved by the main campus dean/department chair. If the student transfers a "core" or "required course," he/she is still subject to a written comprehensive exam based on the material presented at Troy University.

Degree Requirements

Students completing the degree program with a GPA of 3.0

or higher, a grade of "B" or better in CJ 6650 Research Methods for Criminal Justice and for Non-Thesis option students a grade of "B" or better in CJ 6690 Capstone for Criminal Justice or for Thesis Option students successful defense of the master's thesis, will be eligible to be awarded the degree of Master of Science in Criminal Justice. If the student makes a "D" or "F" in a core course, the course must be retaken. If the student makes a "D" or "F" in an elective course, the course may either be retaken or another elective taken in its place.

Curriculum

The Master of Science in Criminal Justice is a 30 (non-thesis option) or 36 hour (thesis option) program. Students may select the Security Studies Concentration. All courses offer three semester hours of credit.

All courses offer three semester hours credit.

Required Courses (Non-Thesis Option):

Required Courses (18 sh)

CJ	6610	3	Principles of Administration
CJ	6620	3	Current Trends in Criminal Law
CJ	6622	3	Seminar in the Administration of Justice
CJ	6636	3	Criminological Theory
CJ	6650	3	Survey of Research Methods in Criminal Justice
CJ	6690	3	Capstone for Criminal Justice

Non-Thesis Option (30 semester hours)

Non Thesis Option Degree Requirements

Required Courses	18	Semester Hours
Electives	12	Semester Hours
Total	30	sh

Electives Non-Thesis Option (for those not enrolled in the Security Studies Concentration: (12sh)

Select any 4 courses from the following graduate courses and/or advisor approved electives.

CJ	6621	3	Current Issues in Corrections
CJ	6624	3	Court Administration
CJ	6625	3	Specialized Study
CJ	6630	3	Juvenile Justice
CJ	6635	3	Community-Based Corrections/Correctional Systems
CJ	6638	3	Seminar in Civil Liberties Related to Corrections
CJ	6640	3	Seminar in Law Enforcement
CJ	6644	3	Administrative Law
CJ	6645	3	Ethics in Criminal Justice Organizations
CJ	6649	3	Statistics for Criminal Justice Research
CJ	6652	3	Seminar in Corrections
CJ	6655	3	Selected Topics in Criminal Justice
CJ	6660	3	Advanced Readings in Criminal Justice
CJ	6671	3	Organizational Theory
CJ	6692	3	Agency Experience
CJ	6693	3	Masters Project

Electives Non-Thesis Option (Security Studies Concentration: (12sh)

Select any 4 courses from the following graduate courses and/or advisor approved electives.

CJ	6639	3	Seminar in Homeland Security
CJ	6643	3	Transportation and Boarder Security
CJ	6642	3	Cyber and Information Threat Manage-

			ment
CJ	6653	3	Seminar in Intelligence
CJ	6656	3	Selected Topics in Security
CJ	6665	3	Emergency and Crisis Management
CJ	6667	3	Intelligence Analysis
CJ	6669	3	Legal Aspects of Security
CJ	6680	3	Criminal Justice Study Abroad
CJ	6692	3	Agency Experience
IR	6635	3	National Security Policy
IR	6685	3	Terrorism and Political Violence

OR

Thesis Option (36 semester hours)

(Note: Available only to students in residence at the Troy, AL campus.)

Thesis Option Degree Requirements:

Required Courses 21 Semester Hours

Electives 15 Semester Hours

Total 36 sh

All courses offer three semester hours credit.

Required Courses (Non-Thesis Option):

Required Courses (18 sh)

CJ	6610	3	Principles of Administration
CJ	6620	3	Current Trends in Criminal Law
CJ	6622	3	Seminar in the Administration of Justice
CJ	6636	3	Criminology Theory
CJ	6650	3	Survey of Research Methods in CJ
CJ	6694	3	Statistics for CJ Research
CJ	6695	3	Thesis

Electives: Select 15 Semester Hours from courses listed in either Criminal Justice or Security Studies Concentration

MASTER OF SCIENCE IN ENVIRONMENTAL AND BIOLOGICAL SCIENCES

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

Purpose and Goals

The Master of Science Graduate Program in Environmental and Biological Sciences is designed to broaden the student's perspective and provide skills and knowledge for understanding and solving problems in the environmental and biological sciences. The Program teaches students the direct and indirect economic, social, and political contributions of the environmental and biological sciences. The Program underscores the interdisciplinary and cooperative nature of environmental and biological issues. The Program teaches how to manage conflicts and emphasizes the importance of effectively communicating with the private and public sectors, regulatory agencies, interest groups, and communities. The Program objectives are listed below:

1. To demonstrate the pivotal role of the environmental and biological sciences in understanding and addressing environmental, ecological, medical, agricultural, and policy-related

issues;

2. To promote the professional development of students for entry and advancement in the private and public sectors as scientists, educators, administrators, or managers;
3. To provide students with the necessary skills for performing research, reviewing and evaluating regulatory guidelines, and writing professional documents;
4. To foster an understanding and appreciation of the role of values and ethics in research, management, and institutional performance;
5. To strengthen the academic foundations of students seeking entry into professional schools and into doctoral programs at graduate schools; and
6. To provide teachers with opportunities for advancement and to broaden and update their knowledge in order to enrich the classroom experience of their students.

Prerequisite Requirements

Candidates for admission must have a baccalaureate degree, preferably in a technical subject area. Candidates should have completed ecology and one junior/senior level (3000/4000) biology course. Additionally, one year of general chemistry and one course in statistics is required.

Note: To remain eligible for Federal Financial Aid, all undergraduate courses **MUST** be completed before students enroll in any graduate courses. Students receiving Federal Financial Aid may **NOT** enroll in undergraduate courses after they have begun graduate coursework.

Admission Requirements for Master of Science in Environmental and Biological Sciences

Unconditional Admission

Unconditional admission may be granted to students who fulfill the following requirements:

1. Hold a baccalaureate degree from a regionally accredited university with a minimum overall undergraduate grade point average of 2.5 (4.0 scale) or a 3.0 grade point average on the last 30 semester hours
2. Demonstrate an adequate academic background in the sciences that includes natural or biological sciences, general chemistry, and statistics
3. Have an acceptable score on the appropriate entrance exam [GRE 290 (850 on the old exam) (verbal plus quantitative)].

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements to the graduate program. See Conditional Admission requirements in the general regulations section of this catalog. Students with a baccalaureate degree from an unaccredited or otherwise accredited institution should see Unaccredited or Otherwise Accredited Student Admission.

Students admitted conditionally only because of a low undergraduate grade point average will be cleared of their conditional status if, at the completion of nine semester hours, they have achieved a 3.0 grade point average or greater on all graduate work attempted. Students must clear the conditional admission requirement of a 3.0 average at the completion of nine semester hours, or they will be dropped from the graduate program for one calendar year after which they may petition the Dean of the Graduate School to re-enter.

Students admitted conditionally only because of a low test score will be granted unconditional admission prior to the completion of nine semester hours provided they have maintained a 3.0 grade point average on all graduate work attempted and have re-taken the test and received a satisfactory score.

Students with academic deficiencies (coursework, GPA, GRE score) may be required to complete additional course work before being granted unconditional admission to the program.

Thesis-Track Admission

Candidates will not be admitted into a thesis-track unless they have identified a thesis research supervisor and that faculty member has agreed to act as that student's thesis advisor. Candidates can apply to a non-thesis track concentration and change to a thesis track concentration after a thesis advisor has been identified. Conditionally accepted students cannot be accepted into a thesis track concentration until they have cleared conditional status.

Accelerated BS/MS in EBS Admission

Certain qualified honors students who successfully complete the Troy University BS in Environmental Science—Environmental Science Concentration-Accelerated Honors Option will be allowed to transfer up to 9 hours of MS EBS graduate level hours earned during their last year of undergraduate studies to the graduate MS in EBS program. Refer to the most recently published Undergraduate Catalog for more information about admission to the MSEBS Accelerated Bachelors to Masters Honors Option.

Transfer Credit

A maximum of 12 semester hours taken at another regionally accredited institution, each with a "B" grade or better, can be applied toward the degree. These courses must be comparable in catalog description to Troy University courses in the Department's graduate program and also be approved by the Department Chair. Non-thesis students who transfer a "core" course are still required to take a written comprehensive exam based on the material presented at Troy University.

Degree Requirements

1. Unconditional Admission
2. Completion of curriculum listed below. If the student makes a "D" or "F" in a core course, the course must be retaken. If the student makes a "D" or "F" in an elective course, the course may either be retaken or another elective taken in its place.
4. Successful completion of EBS 6691 with a "B" or better
5. Overall 3.0 GPA
6. Successful completion of the comprehensive examination for non-thesis students or a thesis, including a presentation of a public seminar, for thesis students

A student who successfully completes the requirements listed above will be awarded the Master's degree (M.S.) in Environmental and Biological Sciences.

Curriculum for M.S. in Environmental and Biological Sciences

The Master of Science in Environmental and Biological Science degree is offered as a 30 semester hour thesis option or 36 hour non-thesis option.

BIOLOGICAL SCIENCES CONCENTRATION

Required Core Courses (9 sh)

BIO	6601	3	Environmental and Biological Ethics
BIO	6624	3	Public Health
BIO	6691	3	Research Methodology and Experimental Design

Select one option below:

Non-Thesis Option : (27 sh)

Select Advisor-approved course electives (27 sh)

BIO	5513	3	Limnology
BIO	L513	1	Limnology Lab
BIO	5514	3	Food Microbiology
BIO	L514	1	Food Microbiology Lab
BIO	5516	3	Microbial Ecology
BIO	L516	1	Microbial Ecology Lab
BIO	5520	4	Field Vertebrate Zoology

BIO	5521	3	Population Ecology
BIO	L521	1	Population Ecology Lab
BIO	5525	4	Field Botany
BIO	5550	3	Environmental History
BIO	5551	3	Toxicology
BIO	L551	1	Toxicology Lab
BIO	5771	3	Parasitology
BIO	L571	1	Parasitology Lab
BIO	5576	3	Special Topics
BIO	5579	3	Environmental Assessment
BIO	L579	1	Environmental Assessment Lab
BIO	5580	3	Histology
BIO	L580	1	Histology Lab
BIO	5582	3	Molecular Biology
BIO	L582	1	Molecular Biology Lab
BIO	6617	1	Seminar in Environmental and Biological Sciences
BIO	6618	1	Seminar in Environmental and Biological Sciences
BIO	6621	3	Environmental Toxicology
BIO	6630	3	Pollution Science
BIO	L630	1	Pollution Science Lab
BIO	6655	3	Clinical Biochemistry
BIO	6660	3	Issues in Aquatic Ecology
BIO	6661	3	Conservation Biology
BIO	6665	3	Sustainable Development
BIO	6650	3	Spatial Analysis Using GIS
BIO	L650	1	Spatial Analysis Using GIS Lab

OR

Thesis Option: (30 sh minimum)

The Thesis Option includes:

Required Core Classes	9 sh
Thesis hours	6 sh
Advisor-approved electives	15 sh
Total	30 sh

Required courses : (6 sh)

BIO	6695	6	Thesis Research
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Select Advisor-approved course electives (15 sh).

BIO	5513	3	Limnology
BIO	L513	1	Limnology Lab
BIO	5514	3	Food Microbiology
BIO	L514	1	Food Microbiology Lab
BIO	5516	3	Microbial Ecology
BIO	L516	1	Microbial Ecology Lab
BIO	5520	4	Field Vertebrate Zoology
BIO	5521	3	Population Ecology
BIO	L521	1	Population Ecology Lab
BIO	5525	4	Field Botany
BIO	5550	3	Environmental History
BIO	5551	3	Toxicology
BIO	L551	1	Toxicology Lab
BIO	5771	3	Parasitology
BIO	L571	1	Parasitology Lab
BIO	5576	3	Special Topics
BIO	5579	3	Environmental Assessment
BIO	L579	1	Environmental Assessment Lab
BIO	5580	3	Histology
BIO	L580	1	Histology Lab

BIO	5582	3	Molecular Biology
BIO	L582	1	Molecular Biology Lab
BIO	6617	1	Seminar in Environmental and Biological Sciences
BIO	6618	1	Seminar in Environmental and Biological Sciences
BIO	6621	3	Environmental Toxicology
BIO	6630	3	Pollution Science
BIO	L630	1	Pollution Science Lab
BIO	6650	3	Spatial Analysis Using GIS
BIO	L650	1	Spatial Analysis Using GIS Lab
BIO	6655	3	Clinical Biochemistry
BIO	6660	3	Issues in Aquatic Ecology
BIO	6661	3	Conservation Biology
BIO	6665	3	Sustainable Development

ENVIRONMENTAL POLICY CONCENTRATION**Required Core Courses (9 sh)**

EBS	6601	3	Environmental and Biological Ethics
EBS	6624	3	Public Health
EBS	6691	3	Research Methodology and Experimental Design

Non-Thesis Option: (27 sh)*Select nine courses*

EBS	5550	3	Environmental History of the U.S.
EBS	6603	3	Environmental Management
EBS	6611	3	Global Pollution and International Environmental Policy
EBS	6612	3	Environmental Impact Studies and Risk Management
EBS	6615	3	Environmental Law, Permitting, and Regulatory Compliance
EBS	6621	3	Environmental Toxicology
EBS	6625	1-3	Specialized Study in Environmental and Biological Sciences
EBS	6626	1-3	Specialized Study in Environmental and Biological Sciences
EBS	6630	3	Pollution Science
EBS	6635	3	Land Use Planning
EBS	6637	3	Environmental Economics
EBS	6665	3	Sustainable Development
GEO	5503	3	Conservation
PA	6622	3	Public Policy
PA	6645	3	Managing Government Contracts
PA	6630	3	Strategic Planning
PA	6631	3	Program Evaluation

Or select from the following (no more than 3 courses from this group will be accepted):

IR	6650	3	Environmental Security, Conflict, and Development
PA	6622	3	Public Policy
PA	6645	3	Managing Government Contracts
PA	6630	3	Strategic Planning
PA	6631	3	Program Evaluation
PA	6667	3	Executive Leadership in Nonprofit Organizations
PA	6668	3	Grant Management for Public and Nonprofit Organizations
PA	6677	3	Public Health Preparedness and Emergency Response

ENVIRONMENTAL SCIENCE CONCENTRATION**Required Core Courses (9 sh)**

EBS	6601	3	Environmental and Biological Ethics
EBS	6624	3	Public Health
EBS	6691	3	Research Methodology and Experimental Design

Select one option below:**Non-Thesis Option: (27 sh)***Select a minimum of 3 courses from the following (9sh)*

EBS	6621	3	Environmental Toxicology
EBS	6630	3	Pollution Science
EBS	6660	3	Issues in Aquatic Ecology
EBS	6661	3	Conservation Biology
EBS	6665	3	Sustainable Development

Select Adviser Approved Elective Courses (18 sh)

EBS	5513	3	Limnology
EBS	L513	1	Limnology Lab
EBS	5520	4	Field Vertebrate Zoology
EBS	5521	3	Population Ecology
EBS	L521	1	Population Ecology Lab
EBS	5525	3	Field Botany
EBS	5550	3	Environmental History
EBS	5579	3	Environmental Assessment
EBS	L579	1	Environmental Assessment Lab
EBS	6617	1	Seminar in Environmental and Biological Sciences
EBS	6618	1	Seminar in Environmental and Biological Sciences
EBS	6621	3	Environmental Toxicology
EBS	6630	3	Pollution Science
EBS	L630	1	Pollution Science Lab
EBS	6665	3	Sustainable Development
EBS	6650	3	Spatial Analysis Using GIS
EBS	L650	1	Spatial Analysis Using GIS Lab

OR

Thesis Option: (30 sh minimum)**The Thesis Option includes:**

Required Core Classes	9 sh	
Required EBS Courses and Advisor Approved Electives	15 sh	
Thesis hours	6 sh	
Total	30 sh	

Select a minimum of 3 courses from the following : (9 sh)

EBS	6621	3	Environmental Toxicology
EBS	6630	3	Pollution Science
EBS	6660	3	Issues in Aquatic Ecology
EBS	6661	3	Conservation Biology
EBS	6665	3	Sustainable Development

Thesis Hours (6)

EBS	6695	6	Thesis Research
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Adviser Approved Electives: (15 sh)**Choose any six (15) hours from BIO/EBS courses listed above and/or GIS courses.**

EBS	5513	3	Limnology
EBS	L513	1	Limnology Lab
EBS	5520	4	Field Vertebrate Zoology

EBS	5521	3	Population Ecology
EBS	L521	1	Population Ecology Lab
EBS	5525	3	Field Botany
EBS	5550	3	Environmental History
EBS	5579	3	Environmental Assessment
EBS	L579	1	Environmental Assessment Lab
EBS	6617	1	Seminar in Environmental and Biological Sciences
EBS	6618	1	Seminar in Environmental and Biological Sciences
EBS	6621	3	Environmental Toxicology
EBS	6630	3	Pollution Science
EBS	L630	1	Pollution Science
EBS	6665	3	Sustainable Development
EBS	6650	3	Spatial Analysis Using GIS
EBS	L650	1	Spatial Analysis Using GIS Lab

Comprehensive Examination

After the completion of all core courses in the non-thesis option, students must successfully complete a comprehensive examination. The comprehensive exam is given in the semester or term prior to graduation. Students should work closely with their advisor to prepare for their comprehensive exams, which will be prepared, administered, and evaluated by the graduate committee.

MASTER OF SCIENCE IN INTERNATIONAL RELATIONS

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

World politics have undergone a profound alteration over the past two decades. The collapse of the former Soviet Union, the evolution of the European Union, events in the Greater Middle East, the rising power of China as well as other developing countries, the influence of non-state actors such as terrorist groups and NGOs, plus concerns about national and global economic issues demonstrate a paradigm shift in international affairs. The Cold War, which dominated global events for nearly five decades, is over, yet what will replace the norms and institutions of that era is not clear. What is apparent, however, is that the world community is increasingly interdependent, that traditional identities and values are being reexamined, and that new challenges are likely to emerge.

The Master of Science in International Relations (MSIR) degree program is a 12-course, 36-credit-hour curriculum of study designed to provide students with the foundation and knowledge needed to understand the context and conduct of international relations. Students are encouraged to gain a wide-ranging appreciation of the political, historical, cultural, economic, and geographical factors that affect international relations. This appreciation is accomplished through a program of instruction focused on international relations theory and its application but drawing from disciplines such as history, economics, and geography. Students also acquire methodological and analytical skills that improve their understanding and ability to evaluate national and global developments.

The program offers courses covering history, regional studies, comparative government, foreign policy, the global economy, geography, conflict management, national security, global climate change, international organization, international law, intercultural relations, and the politics of developing countries.

Prerequisite Requirements

Candidates for admission must have a baccalaureate degree in

any subject area from a regionally accredited college or university. There are no prerequisite course requirements.

Students with undergraduate degrees in areas not included in the curriculum are encouraged to inquire about the program.

Graduates of the Master of Science in International Relations program include individuals with undergraduate degrees in the social sciences as well as in such areas as English, foreign language, engineering, chemistry, mathematics, psychology, education, and business administration.

Admission Requirements for the Master of Science in International Relations Degree

Unconditional Admission

1. Hold a master's or higher degree from a regionally accredited university. No test score is required. An official transcript showing completion of a master's or higher degree is required.

OR

2. Hold a baccalaureate degree from a regionally accredited college or university with a minimum overall undergraduate grade point average of 2.5 (4.0 scale) or a 3.0 grade point average on the last 30 semester hours. All hours attempted in the term in which the 30 semester hours were reached will be used to calculate the grade point average. All transcripts from all colleges or universities attended are required.

AND

3. Have an acceptable score on the appropriate entrance exam [GRE 294 (920 on the old exam) (verbal plus quantitative), MAT 396, GMAT 490].

4. The GRE/GMAT/MAT requirement may be waived under the following conditions:

A. If the applicant holds a baccalaureate degree from a regionally accredited college or university with a minimum overall undergraduate grade point average of 3.0 (4.0 scale)

OR

B. If the applicant holds a baccalaureate degree from Troy University with a minimum overall undergraduate GPA of 2.5 (4.0 scale) or a 3.0 on the last 30 semester hours. All hours attempted in the term in which the 30 semester hours were reached will be used to calculate the GPA.

OR

C. If the applicant is an officer or senior NCO in the U.S. military in good standing and holds a baccalaureate degree from an accredited college or university with a minimum overall undergraduate GPA of 2.5 (4.0 scale) or a 3.0 on the last 30 semester hours. All transcripts from all colleges or universities attended are required.

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements to a graduate program. See conditional admission requirements in the General Regulations section of this *Catalog*.

Students admitted conditionally only because of a low undergraduate grade point average will be cleared of their conditional status if, at the completion of nine semester hours, they have achieved a 3.0 grade point average or greater on all graduate work attempted. Students must clear the conditional admission requirement of a 3.0 average at the completion of nine semester hours, or they will be dropped from the graduate program for one calendar year after which they may petition the Dean of the Graduate School to re-enter.

Students admitted conditionally only because of a low test score will be granted unconditional admission prior to the completion of nine semester hours provided they have maintained a 3.0 grade point average on all graduate work attempted and have retaken the test and received a satisfactory score.

Accelerated BS/MSIR Admission

Certain qualified honors students who successfully complete the Troy Political Science International Relations Concentration-Accelerated Honors Option will be allowed to transfer up to 9 hours of MSIR graduate credit earned during their last year of undergraduate studies to the Graduate MSIR Program. Refer to the most recently published Undergraduate Catalog for more information about admission to the BS/MSIR Accelerated Honors Option.

Transfer Credit

A maximum of four courses (12 semester credit hours) taken at another regionally accredited institution, each with a “B” or better grade, can be applied toward the degree; graduate-level courses completed by U.S. service personnel in Professional Military Education programs may also qualify for transfer credit. These courses must be comparable in catalog description to Troy University courses in the MSIR program and must be recommended for transfer credit by the Chair of the Department of Political Science and approved by the Dean of the Graduate School.

Degree Requirements

1. Unconditional admission
 2. Overall 3.0 GPA
 3. Completion of the curriculum listed below. If the student makes a “D” or “F” in a core course, the course must be retaken. If the student makes a “D” or “F” in an elective course, the course may either be retaken or another elective taken in its place.
 4. Successful completion (“B” or better) of IR 6690 Capstone or Thesis
 5. Successful completion (“B” or better) of IR 6601 Research Methods in International Relations, the program research requirement
- *The thesis option is not available to Troy Online students.*

Curriculum

All courses offer three semester hours credit.

The MSIR curriculum of study consists of three integral components.

1. Five core required courses
2. The selection and completion of one program concentration
3. The successful completion of a comprehensive examination OR the preparation and defense of a Master’s Thesis

Non-Thesis Option

Core Courses	15
Concentration Elective Courses	21
Total	36

Thesis Option

Core Courses	12
Concentration Elective Courses	18
Thesis Hours	6
Total	36

REQUIRED CORE COURSES (12-15 SH)

All MSIR students must take the following four courses:

IR	5551	3	Survey of International Relations
IR	6601	3	Research Methods in International Relations
IR	6620	3	International Political Economy
IR	6652	3	Theory and Ideology of International Relations
IR	6690	3	Capstone (Non-Thesis Students only)

MSIR CONCENTRATION OPTIONS

Students must choose ONE of the following concentrations:

- Global Studies (18-21 sh)
- National Security Affairs (18-21 sh)
- Regional Affairs (18-21 sh)

GLOBAL STUDIES CONCENTRATION (18-21 sh)

Students may choose any 18-21 SH of the following courses:

HIS	5503	3	Contemporary Europe
HIS	5504	3	Military History of the United States
IR	5502	3	International Political Geography
IR	5524	3	Contemporary American Foreign Policy
IR	5533	3	Comparative Government
IR	5540	3	Conflict Processes
IR	5541	3	Middle Eastern Security
IR	5542	3	Diplomacy
IR	5543	3	Middle Eastern Political Economy
IR	5544	3	European Political Economy and the European Union
IR	5552	3	International Law
IR	6600	3	Selected Topics in International Relations
IR	6602	3	Geostrategic Studies
IR	6610	3	International Organizations
IR	6612	3	Comparative Public Policy
IR	6616	3	East Asian Security
IR	6621	3	East Asian Political Economy
IR	6622	3	European Security
IR	6623	3	Arab-Israeli Conflict
IR	6624	3	Geopolitics of Eurasia
IR	6625	3	Specialized Study in International Relations
	6626		
	6627		
IR	6631	3	Intercultural Relations
IR	6634	3	Tradition, Revolution, and Change
IR	6635	3	National Security Policy
IR	6640	3	Government and Politics of Developing Nations
IR	6641	3	Comparative Politics of Latin America
IR	6642	3	Comparative Politics of Russia and Eastern Europe
IR	6644	3	Comparative Politics of the Middle East
IR	6645	3	Comparative Politics of East Asia
IR	6646	3	Comparative Politics of South Asia
IR	6647	3	Comparative Politics of Western Europe
IR	6648	3	Comparative Politics of Sub-Saharan Africa
IR	6650	3	Environmental Security, Conflict, and Development
IR	6655	3	International Conflict Management
IR	6656	3	International Power and Influence
IR	6660	3	Military Strategy and International Relations
IR	6665	3	Readings in International Relations
IR	6668	3	Thesis
IR	6669	3	Thesis
IR	6681	3	Tribalism and Colonialism in Africa
IR	6685	3	Terrorism and Political Violence
IR	6686	3	Latin American Security
IR	6687	3	Latin American Political Economy
IR	6688	3	Political Islam
IR	6661	3	US Intelligence in International Relations
IR	6615	3	Comparative Politics of North Korea
IR	6643	3	Russian Intelligence in International Relations: From the KGB to the FSB

IR	6637	3	Counter Insurgency and Irregular Warfare	IR	6644	3	Comparative Politics of the Middle East
IR	6617	3	Chinese Security	IR	6648	3	Comparative Politics of Sub-Saharan Africa
IR	6639	3	Russian Security	IR	6681	3	Tribalism and Colonialism in Africa
IR	6684	3	Violence in Latin America	IR	6685	3	Terrorism and Political Violence
PA	6610	3	Foundations of Public Administration	IR	6688	3	Political Islam
PA	6622	3	Public Policy				

NATIONAL SECURITY AFFAIRS CONCENTRATION**(18-21 SH)***Students must choose any three of the following courses: (9 sh)*

HIS	5504	3	Military History of the United States
IR	5524	3	Contemporary American Foreign Policy
IR	5540	3	Conflict Processes
IR	5541	3	Middle Eastern Security
IR	5552	3	International Law
IR	6600	3	Selected Topics in International Relations
IR	6602	3	Geostrategic Studies
IR	6616	3	East Asian Security
IR	6622	3	European Security
IR	6623	3	Arab-Israeli Conflict
IR	6624	3	Geopolitics of Eurasia
IR	6635	3	National Security Policy
IR	6650	3	Environmental Security, Conflict, and Development
IR	6655	3	International Conflict Management
IR	6656	3	International Power and Influence
IR	6660	3	Military Strategy and International Relations
IR	6685	3	Terrorism and Political Violence
IR	6686	3	Latin American Security
IR	6661	3	US Intelligence in International Relations
IR	6615	3	Comparative Politics of North Korea
IR	6643	3	Russian Intelligence in International Relations: From the KGB to the FSB
IR	6637	3	Counter Insurgency and Irregular Warfare
IR	6617	3	Chinese Security
IR	6639	3	Russian Security
IR	6684	3	Violence in Latin America

*Students must choose 9-12 semester hours from the remaining electives listed for the Global Studies Concentration: (9-12sh)***REGIONAL AFFAIRS CONCENTRATION (18-21 sh)***Students must choose three courses from the remaining electives listed for the Global Studies Concentration: (9sh)*

IR	5502	3	International Political Geography
IR	5533	3	Comparative Government
IR	5542	3	Diplomacy
IR	5552	3	International Law
IR	6610	3	International Organizations
IR	6612	3	Comparative Public Policy
IR	6631	3	Intercultural Relations

Concentration Relevant Electives Courses: (6 sh)*Students must take 6 hours from one of the following regional groups:***Middle East and North Africa**

IR	5541	3	Middle Eastern Security
IR	5543	3	Middle Eastern Political Economy
IR	6616	3	East Asian Security
IR	6623	3	Arab-Israeli Conflict
IR	6624	3	Geopolitics of Eurasia
IR	6640	3	Government and Politics of Developing Nations

Asia

IR	6616	3	East Asian Security
IR	6621	3	East Asian Political Economy
IR	6624	3	Geopolitics of Eurasia
IR	6640	3	Government and Politics of Developing Nations
IR	6645	3	Comparative Politics of East Asia
IR	6646	3	Comparative Politics of South Asia
IR	6617	3	Chinese Security
IR	6615	3	Comparative Politics of North Korea

Europe

HIS	5503	3	Contemporary Europe
IR	5544	3	European Political Economy and the European Union
IR	6622	3	European Security
IR	6624	3	Geopolitics of Eurasia
IR	6642	3	Comparative Politics of Russia and Eastern Europe
IR	6647	3	Comparative Politics of Western Europe
IR	6639	3	Russian Security
IR	6643	3	Russian Intelligence in International Relations: From the KGB to the FSB

Latin America

IR	6640	3	Government and Politics of Developing Nations
IR	6641	3	Comparative Politics of Latin America
IR	6686	3	Latin American Security
IR	6687	3	Latin American Political Economy
IR	6684	3	Violence in Latin America

Approved Electives Courses: (3-6 sh)*Non-thesis students must choose two courses from the remaining electives listed for the Global Studies Concentration.***THE THIRD COMPONENT OF THE MSIR DEGREE PROGRAM IS THE SUCCESSFUL COMPLETION OF ONE OF THE FOLLOWING OPTIONS:**

- Capstone**—Students choosing this option must take the capstone class in their final semester or term and all core classes need to be completed prior to enrolling in the class. Students will complete a research paper that demonstrates their ability to integrate and synthesize information obtained from the course work and also shows their ability to apply the theoretical concepts of our discipline to real world subjects. The paper will be graded by a minimum of two full-time MSIR faculty members.
- Thesis** *— Students choosing the thesis option must register for IR 6668 (3 credit hours) and IR 6669 (3 credit hours) as their last two courses in the program. They must successfully research, write, and defend their thesis while taking IR 6668 and IR 6669. This process involves directed research in selected areas of international relations, based on the student's proposal, related to the student's needs, with the advice and approval of a thesis adviser and a faculty reader, and culminating in a substantive research paper of appropriate depth and schol-

arship. Students will receive a Pass or Fail for the two thesis courses, no letter grade. Students completing this option are not required to take the Comprehensive Examination.

* *The thesis option is not available to Troy Online students. Divisional Chair approval is required prior to enrolling for the thesis option. Students must obtain faculty support for their thesis prior to seeking such approval.*

MASTER OF PUBLIC ADMINISTRATION

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

Mission Statement

The mission of Troy University's Master of Public Administration program is to strengthen the quality of public service by facilitating learning, promoting scholarship, improving practice, and engaging in public service. The program strives to develop graduates who bring to the public work force the intellectual acuity, ethical commitment and professional competence to effectively serve the public interest.

The MPA degree is a 12-course, 36 credit hour curriculum of study. Students may take courses as pre-service, in-service, full-time, and part-time students and through Troy Online. The MPA degree program is offered at the Global Campus site in Atlanta, through online courses, and at the Troy campus. Students with less than one year of work experience in a paraprofessional, professional, technical, or supervisory position that involves relevant service to the profession and/or public service will complete an additional three-hour internship course for a total of 39 credit hours or students may substitute the PA 6694 internship course for one (1) elective concentration course resulting in a total of 36 credit hours to complete the degree requirements. However, the student's internship must be approved by the PA 6694 instructor in advance and performed in an area that is related to the student's identified concentration.

Admission Requirements for Master of Public Administration

Unconditional Admission

Applicants may be admitted unconditionally if they meet the following requirements:

1. Hold a master's or higher degree from a regionally accredited institution. No test score is required. An official transcript showing completion of a master's or higher degree is required.
OR
2. Hold a baccalaureate degree from a regionally accredited college or university with a minimum overall undergraduate GPA of 2.5 (4.0 scale) or a 3.0 GPA on the last 30 semester hours. All hours attempted in the term in which the 30 semester hours were reached will be used to calculate the GPA. All transcripts from all colleges or universities attended are required
AND
3. Have an acceptable score on the appropriate entrance exam: GRE 294 (920 on the old exam) (verbal plus quantitative), MAT 396, or GMAT 490.
4. The GRE/GMAT/MAT requirement may be waived under the following conditions:
 - A. If the applicant holds a baccalaureate degree from a regionally accredited college or university with a minimum overall undergraduate GPA

point average of 3.0 (4.0 scale)

OR

- B. If the applicant holds a baccalaureate degree from Troy University with a minimum overall undergraduate GPA of 2.5 (4.0 scale) or a 3.0 on the last 30 semester hours. All hours attempted in the term in which the 30 semester hours were reached will be used to calculate the GPA.

OR

- C. If the applicant is an officer or senior NCO in the U.S. military in good standing and holds a baccalaureate degree from an accredited college or university with a minimum overall undergraduate GPA of 2.5 (4.0 scale) or a 3.0 on the last 30 semester hours. All transcripts from all colleges or universities attended are required.

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements to the graduate program. See conditional admission requirements in the General Regulations section of this *Catalog*.

Students admitted conditionally only because of a low undergraduate grade point average will be cleared of their conditional status if, at the completion of nine semester hours, they have achieved a 3.0 grade point average or greater on all graduate work attempted. Students must clear the conditional admission requirement of a 3.0 average at the completion of nine semester hours, or they will be dropped from the graduate program for one calendar year after which they may petition the Dean of the Graduate School to re-enter.

Students admitted conditionally only because of a low test score will be granted unconditional admission prior to the completion of nine semester hours provided they have maintained a 3.0 grade point average on all graduate work attempted and have retaken the test and received a satisfactory score.

Readmission of MPA Students in Good Standing

Students who have not been enrolled for three or more years in the MPA program must complete a Readmission to Graduate School Application and meet degree requirements as stated in the most current catalog upon readmission. Students will be readmitted to the most current catalog at the time of readmission.

Transfer Credit

A maximum of 12 credit hours taken at another regionally accredited university with a grade of "B" or better can be applied to the MPA degree. Transfer credit for MPA core courses is limited to courses completed at Network of Schools of Public Policy, Affairs, and Administration (NASPAA) accredited MPA programs. These courses must be comparable in catalog description to courses in the MPA program and recommended by the Director of the MPA Program and approved by the Dean of the Graduate School. Professional Military Education (PME) courses and programs will not be accepted as transfer credits for Public Administration core courses but may be accepted as transfer credit for elective courses.

Internship Requirements

Students with less than one year work experience in a paraprofessional, professional, technical, or supervisory position that involves relevant service to the profession and/or public service are required to complete PA 6694 Internship. Students may substitute the PA 6694 Internship course for one (1) elective concentration course. However, the student's internship must be approved by the PA 6694 instructor in advance and performed in an area that is related to the student's identified concentration.

Research Requirement

For Initial Master's Degree

All graduate programs require certification of the student's ability to do research in a specialization. For the MPA program, this requirement is met by achieving a grade of "B" or better in PA 6601. Students must repeat PA 6601 if a grade of "C" or below is attained.

For Second Master’s Degree

If the research requirement was completed for the first master’s degree with a “B” or above, students are exempt from this requirement in the MPA program. Students exercising this exemption must complete an additional elective course in their program, or obtain approved transfer credit to achieve the minimum required credits for graduation.

Degree Requirements

1. Unconditional Admission
2. Overall 3.0 GPA
3. Successful completion of PA 6699, Capstone in Public Administration, with a grade of “B” or better
4. Completion of MPA Degree curriculum. If the student makes a “D” or “F” in a core course, the course must be retaken. If the student makes a “D” or “F” in an elective course, the course may either be retaken or another elective taken in its place.

Curriculum

The MPA degree curriculum consists of 12 courses including eight core courses and four elective courses from one concentration. **It is strongly recommended that students complete PA 6601-Research Methods in Public Administration and PA 6610-Foundation of Public Administration within their initial 18 hours in the MPA program.**

Required Core Courses : (24 SH)

PA 6601	3	Research Methods in Public Administration
PA 6610	3	Foundations of Public Administration
PA 6620	3	Theory of Organizations
		OR
PA 6646	3	Organizational Behavior
		OR
PA 6665	3	Leadership in Public Administration
PA 6622	3	Public Policy
PA 6624	3	Public Human Resource Management
PA 6650	3	Governmental Budgeting and Financial Management
PA 6674	3	Ethics in Public Administration
PA 6699	3	Capstone in Public Administration

**Students in Nonprofit Management concentration must take PA 6631. PA 6601 must be completed prior to taking PA 6631.*

Concentrations (12 hours)

Students must select one of the following concentrations and take four courses from that concentration:

- International Public Administration
- National Security Affairs
- Nonprofit Management
- Public Health Administration
- Public Human Resource Management
- Public Management

Concentrations

International Public Administration

IR 5533	3	Comparative Government
IR 6631	3	Intercultural Relations
PA 6608	3	Comparative Public Administration

PA 6661	3	Global Challenges in Leadership and Management
PA 6664	3	Global Perspectives in Local Government

Justice Administration

CJ 6620	3	Current Trends in Criminal Law
CJ 6622	3	Seminar in the Administration of Justice
CJ 6624	3	Court Administration
CJ 6630	3	Juvenile Justice
CJ 6652	3	Seminar in Corrections

National Security Affairs

IR 5524	3	Contemporary American Foreign Policy
IR 5551	3	Survey of International Relations
IR 5552	3	International Law
IR 6602	3	Geostrategic Studies
IR 6630	3	Seminar in International Relations
IR 6635	3	National Security Policy
IR 6656	3	International Power and Influence
IR 6660	3	Military Strategy and International Relations

Nonprofit Management*

PA 6607	3	Performance Measurement and Management for Public and Nonprofit Organizations
PA 6630	3	Strategic Planning
PA 6631	3	Program Evaluation*
PA 6666	3	Foundations of Nonprofit Organizations
PA 6667	3	Executive Leadership in Nonprofit Organizations
PA 6668	3	Grant Management for Public and Nonprofit Organizations

**Students in Nonprofit Management must take PA 6631. PA 6601 must be completed prior to taking PA 6631.*

Public Health Administration

PA 6663	3	Global Health Administration
PA 6665	3	Leadership in Public Administration
PA 6675	3	Public Health Services Administration and Policy
PA 6676	3	Legal and Social Issues in Public Health Administration
PA 6677	3	Public Health Preparedness and Emergency Response
PA 6678	3	Introduction to Public Health

Public Human Resource Management*

PA 6604	3	Workforce Planning and Staffing
PA 6605	3	Training and Development
PA 6606	3	Issues in Managing the Public Workforce
PA 6643	3	Advanced Public Human Resources Management

**Students in Public Human Resources Management must take PA 6624 prior to taking PA 6604 or PA 6643.*

Public Management

PA 6603	3	Economics for Public Management
PA 6607	3	Performance Measurement and Management for Public and Non-profit Organizations
PA 6620	3	Theory of Organizations
PA 6630	3	Strategic Planning
PA 6631	3	Program Evaluation
PA 6640	3	Intergovernmental Relations

PA	6644	3	Administrative Law
PA	6645	3	Managing Government Contracts
PA	6646	3	Organizational Behavior
PA	6665	3	Leadership in Public Administration
PA	6668	3	Grant Management for Public and Non-profit Organizations
PA	6679	3	e-Governance
PA	66xx	3	Approved Adviser elective

Concentration Courses

PA 6625 Specialized Study in Public Administration or PA 6660 Readings in Public Administration may be utilized in any concentration with the prior approval of the Director of the MPA Program. In combination, these courses may not be used for more than six total credit hours. A course completed for one concentration cannot be used for another concentration.

MASTER OF SOCIAL SCIENCE

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

Mission statement

The Master of Social Science Degree (M.S.Sc.) is an interdisciplinary program for graduate students that offers a wide variety of disciplinary and interdisciplinary opportunities for advancing academic or career goals. The M.S.Sc. Degree makes the Social Science resources of Troy University available for student-centered and highly individualized programs of graduate study. Students are welcome and encouraged to choose classes from around the University that suit their research interests.

The M.S.Sc. Degree provides every student with a vibrant and collaborative intellectual community and core-course training in social science theory, analytical abilities, and methodology. After completing three core courses, students may choose additional courses from a variety of graduate offerings. Classes may be selected from any combination of the following subject areas; Anthropology, Sociology, Psychology, Economics, History, Geography, Social Science, and International Relations. Students have the option to take all of their elective courses in one area or can select courses from a variety of subjects.

Depending on needs, individualized programs will provide students with skills to:

1. Provide services to a variety of public agencies and institutions.
2. Teach in one or a variety of Social Science subject areas at a college or university level. Eighteen hours taken in a single subject area (as part of the 36 hour master's degree) will provide qualifications to teach in that subject area.
3. Teach at a high school level (with required teaching certification).
4. Effectively communicate with individuals and groups from all backgrounds.
5. Develop methodologies and skills to facilitate societal change.
6. Pursue doctoral or professional school degrees.

Objectives

1. To prepare students to fulfill a need in American Society for professionals in the area of Social Science by providing educational programs that develop each student's problem solving skills to address issues that arise in the dynamic and evolving Social Sciences field;
2. To develop each student's ability to synthesize and apply knowledge of the critical theories and concepts in the field of Social Science in his/her problem solving analysis;
3. To develop each student's ability to identify and develop alternative solutions to problems that are confronted in Social Sciences field;
4. To develop each student's ability to evaluate and appropriately choose solutions to problems confronted in the Social Sciences field;
5. To develop each student's ability to effectively communicate the results of his/her analysis;
6. To provide an appropriate program of graduate study for students who are interested in research in the field of Social Science and in advanced graduate study.

Prerequisite Requirements

The minimum requirement for admission to the Master of Social Sciences is a baccalaureate degree from a regionally accredited four year institution. Students who desire to enter this program but do not have a degree in Social Sciences or a closely related discipline may be required to meet other criteria such as additional coursework regarding undergraduate or professional preparation.

Admission Requirements for the Master of Social Science

A committee of graduate faculty in the Department of Social Sciences will evaluate and decide upon all applications to the program. To apply for admission to the Master of Social Science program, applicants must submit the following:

1. Completed Application for Admission to the Graduate School;
2. Official transcript(s) from all universities or colleges attended;
3. Official copy of one of the following: GRE (with writing score), MAT, or GMAT scores; and
4. A letter of recommendation that addresses the applicant's potential for success in a Master of Social Science graduate program.

Unconditional Admission

Applicants may be admitted unconditionally if they meet the following requirements:

1. Applicants who have completed a master's or higher degree from a regionally accredited college or university may be admitted unconditionally.
2. Applicants who have attained a bachelor's degree from a regionally accredited college or university and achieved a minimum of 2.5 GPA in all undergraduate courses.
3. Applicants must have an acceptable score on the appropriate entrance exam: GRE 850 combined (old) or 290 combined (new), MAT 385 or GMAT 380.

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements to a graduate program. See conditional admission requirements in the general regulations section of this *Catalog*.

Students admitted conditionally only because of a low undergraduate grade point average will be cleared of their conditional status if, at the completion of nine semester hours, they have achieved a 3.0 grade point average or greater on all graduate work attempted. Students must clear the conditional admission requirement of a 3.0 average at the completion of nine semester hours, or they will be dropped from the graduate program for one calendar year after which they may petition the Dean of the Graduate School to re-enter.

Students admitted conditionally only because of a low test score will be granted unconditional admission prior to the completion of nine semester hours provided they have maintained a 3.0 grade point average on all graduate work attempted and have retaken the test and received a satisfactory score.

Transfer Credit

A maximum of four courses (12 semester hours) taken at another regionally accredited institution each with a grade of "B" or better can be applied toward this degree. These courses must be comparable in catalog description to Troy University courses in the Social Science Graduate Program and be approved by the department chair and college dean. If the student transfers a "core" or "required course," (s)he is still subject to a written comprehensive exam based on the material present at Troy University.

Requirements for Admission to Candidacy

To be admitted to candidacy, students must have a 3.0 GPA on all work attempted. Unconditionally admitted graduate students must apply for admission to candidacy within the first eighteen semester hours of graduate coursework and complete any additional requirements outlined for the specific degree program. If not completed within the first eighteen hours, a hold will be placed on the students' registration until the Degree Plan/ Admission to Candidacy process is completed.

Degree Options

There are two degree options: thesis and non-thesis. In the thesis option, the student must successfully complete and defend a thesis as well as complete other requirements stated below. See Thesis Guidelines for additional information. In the non-thesis option, the student must pass a written comprehensive exam.

Degree Requirements

Any student completing the coursework with a 3.0 GPA or better, fulfilling candidacy requirements, successfully completing either the Thesis or Comprehensive Exam will be awarded the master's degree. If the student makes a "D" or "F" in a core course, the course must be retaken. If a student makes a "D" or "F" in an elective course, the course may be retaken or another elective taken in its place. Students must receive a "B" or better in SS 6691: Survey of Research Methods in Social Science.

Approval Process

Thesis Option

1. Achieve unconditional admission to the program;
2. Complete 9 SH of graduate level core courses;
3. Complete 6 SH of thesis classes;
4. Complete 21 SH hours of electives;
5. Maintain a minimum overall 3.0 GPA; AND
6. Submit an approved thesis proposal.
7. Thesis Option is not available for Troy Online students.

Non-Thesis Option

1. Achieve unconditional admission to the program;
2. Complete 9 SH of graduate level core courses;
3. Complete 27 SH of electives;
4. Maintain a minimum overall 3.0 GPA;
5. Students must successfully complete a Comprehensive Exam;

Submission of Thesis

The thesis must be submitted according to Thesis Guidelines.

Curriculum

All courses offer three semester hours credit.

Thesis Option*

Required Core Courses	9 SH
Electives	21 SH
Thesis Course	<u>6 SH</u>
Total	36 SH

**Not available for Troy Online students.*

Non-Thesis Option*

Required Core Courses	9 SH
Electives	<u>27 SH</u>
Total	36 SH

**Non-thesis option includes a comprehensive examination.*

Required Core Courses (9 SH)

- SS 6690 (3) Seminar in Social Sciences
 SS 6691 (3) Survey of Research Methods in Social Science*
**A grade of "B" or better is required.*
 SS 6698 (3) Social Theory

Electives (21/27 SH)

Select any 21/27 semester hours of graduate coursework from the following disciplines:*

Anthropology, Economics, Geography, History, International Relations, Psychology, Social Science, or Sociology.

**Courses must be advisor-approved.*

Thesis Courses

- SS 6693 (3) Thesis Practicum
 SS 6695 (3) Thesis

CERTIFICATE IN PUBLIC HEALTH ADMINISTRATION

Students should consult the General Regulations section of the Graduate Catalog for additional information regarding Graduate School admission requirements, transfer credit, and other critical policies and procedures.

Admission Requirements

Applicants who wish to pursue the Graduate Certificate in Public Health Administration must be admitted to the Graduate School. See Graduate Admissions Requirements.

Public Health Administration Concentration Requirements Competency

Ability to appraise the organizational environment with its culture, politics, and institutional setting, both internal and external, and to perform the basic functions of public health administration, while behaving and making decisions in an ethical manner.

Course Requirements

The Graduate Certificate in Public Health Administration requires the following six courses:

PA 6665	3	Leadership in Public Administration
PA 6675	3	Public Health Services Administration and Policy
PA 6676	3	Legal and Social Issues in Public Health Administration
PA 6677	3	Public Health Preparedness and Emergency Response
PA 6678	3	Introduction to Public Health
PA 6663	3	Global Health Administration

Admitted MPA students may qualify for the Certificate by completing the six required courses and maintaining an overall 3.0 GPA or better to meet certificate requirement.

Other Requirements

Students who wish to be issued a certificate must submit the following to their home campus:

- Certification Intent
- Copy of Student Transcript

2018-2019

TROY UNIVERSITY
M.S. - BIOMEDICAL SCIENCES (BMS)
 Graduate Degree Plan and Progress Record
30-31 Semester-Hour Program

TROY Publication 384-323
 Created: 3/2018

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|---|
| 1. GRE, or equivalent exam, test scores admitted | 7. Overall GPA of 3.0 |
| 2. Official transcript of all academic work | 8. Completion of BIO 6691 with a "B" or better |
| 3. Unconditional Admission | 9. All credit earned within 8 years of graduation |
| 4. 30-31 Semester hours of credit | 10. Successfully complete comprehensive exam or thesis (Select One) |
| 5. Meet residency requirements | 11. Intent to Graduate filed |
| 6. No more than two grades below "B" | |

CORE COURSES (18 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
BMS 6615	Medical Microbiology and Immunology	3			
BMS 6620	Neuroscience	3			
BMS 6625	Medical Cell Biology	3			
BMS 6635	Medical Physiology	3			
BMS 6655	Clinical Biochemistry	3			
BIO 6691	Research Methodology and Experimental Design	3			

THESIS OPTION (6 Semester Hours)

BMS 6695	Thesis	3-6			
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ELECTIVE COURSES: (6-13 Semester Hours) *See Graduate Catalog for list of approved electives.*

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT

Note: To remain eligible for Federal Financial Aid, all undergraduate courses MUST be completed before students enroll in any graduate courses. Students on Federal Financial Aid may NOT enroll in undergraduate courses after they have begun graduate coursework.

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Comprehensive Examination Requirements

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Test Scores		

2018-2019

TROY UNIVERSITY
MASTER OF SCIENCE IN COMPUTER SCIENCE
Computer Network and Security Concentration
 Graduate Degree Plan and Progress Record
33 Semester-Hour Program

TROY Publication 384-255
 Revised: 3/2018
 Page 1 of 2

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

1. GRE, or equivalent exam, test scores admitted
2. Official transcript of all academic work
3. Unconditional Admission
4. 33 Semester hours of credit
5. Meet residency requirements
6. No more than two grades below "B"
7. Overall GPA of 3.0
8. Completion of research requirement with a "B" or better
9. All credit earned within 8 years of graduation
10. Successfully complete comprehensive exam or thesis
11. Intent to Graduate filed

PREREQUISITE COURSES *Required for students with Bachelor's Degree outside the field of Computer Science*

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
MTH 2215	Applied Discrete Mathematics	3			
CS 2250	Computer Science I	3			
CS 2255 or CS 3360	CS II or Concepts of Object Oriented Programming I	3			
CS 3310	Foundations of Computer Science	3			
CS 3323	Data Structures	3			

Note: To remain eligible for Federal Financial Aid, all undergraduate courses MUST be completed before students enroll in any graduate courses. Students on Federal Financial Aid may NOT enroll in undergraduate courses after they have begun graduate coursework.

REQUIRED CORE COURSES (9 Semester Hours)

CS 5549	Analysis of Algorithms	3			
CS 5545	Computer Architecture	3			
CS 5550	Operating System Principles	3			

Non-Thesis Option Required Courses: (9 Semester Hours)

CS 6676	Advanced Computer Network	3			
CS 6674	Network and Information Security	3			
CS 6625	Specialized Study in Computer Science	3			

Thesis Option Required Courses: (12 Semester Hours)

CS 6676	Advanced Computer Network	3			
CS 6674	Network and Information Security	3			
CS 6699	Research and Thesis	6			

ADVISOR APPROVED ELECTIVES: *Select 12-15 hours of advisor-approved Computer Science graduate courses*

2018-2019

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Thesis and non-thesis options
- 10. Other

Progress:

STATUS	DATE	INITIALS
Conditional		
Test Scores		
Requirement for minimum undergraduate GPA waived		
Requirement for minimum score of GRE waived		
Unconditional		
Residency		
Comps		

THIS FORM REQUIRED FOR EVERY REGISTRATION, EVERY TERM

2018-2019

TROY UNIVERSITY
MASTER OF SCIENCE IN COMPUTER SCIENCE
Artificial Intelligence Concentration
 Graduate Degree Plan and Progress Record
33 Semester-Hour Program

TROY Publication 384-256
 Revised: 3/2018
 Page 1 of 2

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

1. GRE, or equivalent exam, test scores admitted
2. Official transcript of all academic work
3. Unconditional Admission
4. 33 Semester hours of credit
5. Meet residency requirements
6. No more than two grades below "B"
7. Overall GPA of 3.0
8. Completion of research requirement with a "B" or better
9. All credit earned within 8 years of graduation
10. Successfully complete comprehensive exam or thesis
11. Intent to Graduate filed

PREREQUISITE COURSES *Required for students with Bachelor's Degree outside the field of Computer Science*

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
MTH 2215	Applied Discrete Mathematics	3			
CS 2250	Computer Science I	3			
CS 2255 or CS 3360	CS II or Concepts of Object Oriented Programming I	3			
CS 3310	Foundations of Computer Science	3			
CS 3323	Data Structures	3			

Note: To remain eligible for Federal Financial Aid, all undergraduate courses MUST be completed before students enroll in any graduate courses. Students on Federal Financial Aid may NOT enroll in undergraduate courses after they have begun graduate coursework.

REQUIRED CORE COURSES (9 Semester Hours)

CS 5549	Analysis of Algorithms	3			
CS 5545	Computer Architecture	3			
CS 5550	Operating System Principles	3			

Non-Thesis Option Required Courses: (9 Semester Hours)

CS 6678	Advanced Artificial Intelligence	3			
CS 6682	Machine Learning	3			
CS 6625	Specialized Study in Computer Science	3			

Thesis Option Required Courses: (12 Semester Hours)

CS 6678	Advanced Artificial Intelligence	3			
CS 6682	Machine Learning	3			
CS 6699	Research and Thesis	6			

ADVISOR APPROVED ELECTIVES: *Select 12-15 hours of advisor-approved Computer Science graduate courses*

2018-2019

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Thesis and non-thesis options
- 10. Other

Progress:

STATUS	DATE	INITIALS
Conditional		
Test Scores		
Requirement for minimum undergraduate GPA waived		
Requirement for minimum score of GRE waived		
Unconditional		
Residency		
Comps		

THIS FORM REQUIRED FOR EVERY REGISTRATION, EVERY TERM

2018-2019

TROY UNIVERSITY
MASTER OF SCIENCE IN COMPUTER SCIENCE
Software Development Concentration
 Graduate Degree Plan and Progress Record
33 Semester-Hour Program

TROY Publication 384-257
 Revised: 3/2018
 Page 1 of 2

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|--|
| 1. GRE, or equivalent exam, test scores admitted | 7. Overall GPA of 3.0 |
| 2. Official transcript of all academic work | 8. Completion of research requirement with a "B" or better |
| 3. Unconditional Admission | 9. All credit earned within 8 years of graduation |
| 4. 33 Semester hours of credit | 10. Successfully complete comprehensive exam or thesis |
| 5. Meet residency requirements | 11. Intent to Graduate filed |
| 6. No more than two grades below "B" | |

PREREQUISITE COURSES *Required for students with Bachelor's Degree outside the field of Computer Science*

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
MTH 2215	Applied Discrete Mathematics	3			
CS 2250	Computer Science I	3			
CS 2255 or CS 3360	CS II or Concepts of Object Oriented Programming I	3			
CS 3310	Foundations of Computer Science	3			
CS 3323	Data Structures	3			

Note: To remain eligible for Federal Financial Aid, all undergraduate courses MUST be completed before students enroll in any graduate courses. Students on Federal Financial Aid may NOT enroll in undergraduate courses after they have begun graduate coursework.

REQUIRED CORE COURSES (9 Semester Hours)

CS 5549	Analysis of Algorithms	3			
CS 5545	Computer Architecture	3			
CS 5550	Operating System Principles	3			

Non-Thesis Option Required Courses: (9 Semester Hours)

CS 6680	Advanced Software Engineering	3			
CS 6640	Advanced Database Concepts	3			
CS 6625	Specialized Study in Computer Science	3			

Thesis Option Required Courses: (12 Semester Hours)

CS 6680	Advanced Software Engineering	3			
CS 6640	Advanced Database Concepts	3			
CS 6699	Research and Thesis	6			

ADVISOR APPROVED ELECTIVES: *Select 12-15 hours of advisor-approved Computer Science graduate courses*

2018-2019

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Thesis and non-thesis options
- 10. Other

Progress:

STATUS	DATE	INITIALS
Conditional		
Test Scores		
Requirement for minimum undergraduate GPA waived		
Requirement for minimum score of GRE waived		
Unconditional		
Residency		
Comps		

THIS FORM REQUIRED FOR EVERY REGISTRATION, EVERY TERM

2018-2019

TROY UNIVERSITY
MASTER OF SCIENCE IN CRIMINAL JUSTICE
 Graduate Degree Plan and Progress Record
30 / 36 Semester-Hour Program

TROY Publication 384-258
 Revised: 3/2018

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|--|
| 1. GRE, or equivalent exam, test scores admitted | 7. Overall GPA of 3.0 |
| 2. Official transcript of all academic work | 8. Completion of research requirement with a "B" or better |
| 3. Unconditional Admission | 9. All credit earned within 8 years of graduation |
| 4. 30/36 Semester hours of credit | 10. Successfully complete comprehensive exam or thesis |
| 5. Meet residency requirements | 11. Intent to Graduate filed |
| 6. No more than two grades below "B" | |

REQUIRED CORE COURSES (15 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
CJ 6610	Principles of Administration	3			
CJ 6620	Current Trends in Criminal Law	3			
CJ 6622	Seminar in the Administration of Justice	3			
CJ 6636	Criminological Theory	3			
CJ 6650	Survey of Research Methods in Criminal Justice	3			

NON-THESIS OPTION*: (3 Semester Hours) *Complete all above requirements plus the course listed below. **

CJ 6690	Capstone in Criminal Justice	3			
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THESIS OPTION*: (6 Semester Hours) *Complete all core requirements plus the courses listed below. * Available Troy Campus only*

CJ 6694	Statistics for Criminal Justice Research	3			
CJ 6695	Thesis	3			

ELECTIVES: (12-15 Semester Hours) *Select 5 courses from approved elective courses. See Graduate Catalog for list. **Note: Students pursuing the Security Studies Concentration must take the approved electives listed for the concentration in this Catalog.***

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Comprehensive Examination Requirements

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Test Scores		

2018-2019

TROY UNIVERSITY
M.S. - ENVIRONMENTAL AND BIOLOGICAL SCIENCES (EBS)
 Graduate Degree Plan and Progress Record
30/36 Semester-Hour Program

TROY Publication 384-324
 Revised: 3/2018

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|--|
| 1. GRE, or equivalent exam, test scores admitted | 7. Overall GPA of 3.0 |
| 2. Official transcript of all academic work | 8. Completion of EBS/BIO 6691 with a "B" or better |
| 3. Unconditional Admission | 9. All credit earned within 8 years of graduation |
| 4. 30-36 Semester hours of credit | 10. Successfully complete comprehensive exam or thesis |
| 5. Meet residency requirements | 11. Intent to Graduate filed |
| 6. No more than two grades below "B" | |

REQUIRED CORE COURSES (9 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
EBS/BIO 6601	Environmental and Biological Ethics	3			
EBS/BIO 6624	Public Health	3			
EBS/BIO 6691	Research Methodology and Experimental Design	3			

ELECTIVES: (6-27 Semester Hours) Biological Sciences Environmental Policy Environmental Science
 See Graduate Catalog for list of required courses and approved electives for the selected concentration.

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT

ENVIRONMENTAL SCIENCE and ENVIRONMENTAL POLICY CONCENTRATIONS REQUIRED COURSES: (9 Semester Hours)

EBS 6601	Environmental and Biological Ethics	3			
EBS 6624	Public Health	3			
EBS 6691	Research Methodology and Experimental Design	3			

THESIS OPTION*: Complete 30 sh of selected concentration courses and electives plus thesis courses. * Not available to eTROY students.

EBS/BIO 6695	Thesis Research	3			
EBS/BIO 6695	Thesis Research	3			

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Comprehensive Examination Requirements

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Test Scores		

2018-2019

TROY UNIVERSITY
MASTER of SCIENCE IN INTERNATIONAL RELATIONS
 Graduate Degree Plan and Progress Record
36 Semester-Hour Program

TROY Publication 384-325
 Revised: 3/2018

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|--|
| 1. GRE, or equivalent exam, test scores admitted | 7. Overall GPA of 3.0 |
| 2. Official transcript of all academic work | 8. Completion of research requirement with a "B" or better |
| 3. Unconditional Admission | 9. All credit earned within 8 years of graduation |
| 4. 36 Semester hours of credit | 10. Successfully complete comprehensive exam or thesis |
| 5. Meet residency requirements | 11. Intent to Graduate filed |
| 6. No more than two grades below "B" | |

REQUIRED CORE COURSES (12-15 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
IR 5551	Survey of International Relations	3			
IR 6601	Research Methods in International Relations	3			
IR 6620	International Political Economy	3			
IR 6652	Theory & Ideology of International Relations	3			
IR 6690	Capstone	3			

Global Studies National Security Affairs Regional Affairs

CONCENTRATION COURSES: (21 Semester Hours)

See Graduate Catalog for list of required courses and approved electives for the selected concentration.

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT

THESIS OPTION*: Complete 18 sh of selected concentration courses plus thesis courses. Must register for Thesis courses as the last two courses in the program.
 * Not available to eTROY students.

IR 6668	Thesis	3			
IR 6669	Thesis	3			

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Comprehensive Examination Requirements

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Test Scores		

2018-2019

TROY UNIVERSITY
MASTER OF PUBLIC ADMINISTRATION
 Graduate Degree Plan and Progress Record
36 / 39 Semester-Hour Program

TROY Publication 384-262
 Revised: 3/2018

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|--|
| 1. Admission to MPA program | 7. Internship required or waived |
| 2. Official transcript of all academic work | 8. Overall GPA of 3.0 |
| 3. Unconditional Admission | 9. Completion of research requirement (PA 6601) with a "B" or better |
| 4. 36 Semester hours of coursework credit (39 with Internship) | 10. All credit earned within 8 years of graduation |
| 5. Meet residency requirements | 11. Completion of capstone (PA 6699) with a grade of "B" or better |
| 6. No more than two grades below "B" | 12. Intent to Graduate filed |

REQUIRED CORE COURSES (24 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
PA 6601	Research Methods in Public Administration	3			
PA 6610	Foundations of Public Administration <i>(Complete w/in first 9 sh)</i>	3			
	Select One of the following: PA 6620 OR PA 6646 OR PA 6665 Leadership in PA	3			
PA 6622	Public Policy	3			
PA 6624	Public Human Resource Management	3			
PA 6650	Governmental Budgeting and Financial Management	3			
PA 6674	Ethics in Public Administration	3			
PA 6699	Capstone in Public Administration <i>(Final course of program)</i>	3			

* Nonprofit Management Concentration must take PA 6631 Program Evaluation

CONCENTRATION: (12 Semester Hours) International Public Administration National Security Affairs
 Nonprofit Management Public Health Administration Public Human Resource Management Public Management

PA 6694 - INTERNSHIP: (3 Semester Hours) Required Waived

3			
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ITEMS TO BE DISCUSSED:

- Conditional or Unconditional Admission
- Availability of faculty for academic advising
- Petition for transfer credit once unconditionally admitted
- Class attendance
- Drop and Withdrawal procedures; deadlines and consequences
- Petition for an incomplete grade
- Student participation in course and program evaluation
- Curriculum coursework sequencing

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Test Scores		

2018-2019

TROY UNIVERSITY
MASTER OF SCIENCE IN SOCIAL SCIENCE
 Graduate Degree Plan and Progress Record
36 Semester-Hour Program

TROY Publication 384-263
 Revised: 3/2018

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

- | | |
|--|--|
| 1. GRE, or equivalent exam, test scores admitted | 7. Overall GPA of 3.0 |
| 2. Official transcript of all academic work | 8. Completion of research requirement with a "B" or better |
| 3. Unconditional Admission | 9. All credit earned within 8 years of graduation |
| 4. 30/36 Semester hours of credit | 10. Successfully complete comprehensive exam or thesis |
| 5. Meet residency requirements | 11. Intent to Graduate filed |
| 6. No more than two grades below "B" | |

REQUIRED CORE COURSES (9 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
SS 6690	Seminar in Social Sciences	3			
SS 6691	Survey of Research Methods in Social Sciences	3			
SS 6698	Social Theory	3			
		3			
		3			

THESIS OPTION ADDITIONAL REQUIRED COURSES: (6 Semester Hours)

SS 6693	Thesis Practicum	3			
SS 6695	Thesis	3			

ELECTIVES: (21-27 Semester Hours)

ITEMS TO BE DISCUSSED:

- 1. One term limit to have transcript(s) and test scores on file
- 2. Temporary, Conditional, and Unconditional Admission
- 3. Availability of faculty for academic advising
- 4. Petition for transfer credit once unconditionally admitted
- 5. Class attendance
- 6. Drop and Withdrawal procedures; deadlines and consequences
- 7. Petition for an incomplete grade
- 8. Student participation in course and program evaluation
- 9. Comprehensive Examination Requirements

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Test Scores		

2018-2019

TROY Publication 384-326
Created 3/2018

TROY UNIVERSITY
GRADUATE CERTIFICATE IN BIOMEDICAL SCIENCES
 Certificate Plan and Progress Record
 Certificate Verification
18-19 Semester-Hours

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

1. Admitted to the MS BMS program
2. Official transcript of all academic work
3. Unconditional Admission
4. 20 Semester hours of credit
5. Meet residency requirements
6. No more than two grades below "B"
7. Overall GPA of 3.0
8. All credit earned within 8 years of graduation

REQUIRED COURSES: (15 Semester Hours)

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
BMS 6615	Medical Microbiology and Immunology	3			
BMS 6620	Neuroscience	3			
BMS 6625	Medical Cell Biology	3			
BMS 6635	Medical Physiology	3			
BMS 6655	Clinical Biochemistry	3			

ELECTIVE COURSES (3-4 Semester Hours): *Select one advisor approved elective with corresponding lab if applicable*

COURSE NO.	TITLE	HRS.	GRADE	TERM / YR	TRANSFER CREDIT
		3			
		1			

ITEMS TO BE DISCUSSED:

- Conditional or Unconditional Admission
- Availability of faculty for academic advising
- Petition for transfer credit once unconditionally admitted (3 SH maximum)
- Class attendance
- Drop and Withdrawal procedures; deadlines and consequences
- Petition for an incomplete grade
- Student participation in course and program evaluation

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Residency		
Test Scores		

2018-2019

TROY Publication 384-266
Revised 3/2018

TROY UNIVERSITY
GRADUATE CERTIFICATE IN PUBLIC HEALTH ADMINISTRATION
 Certificate Plan and Progress Record
 Certificate Verification
15 Semester-Hours

Name: Student ID#: Campus:
 Address: Email:

DEGREE REQUIREMENTS:

1. Admitted to the MPA program
2. Official transcript of all academic work
3. Unconditional Admission
4. 12 Semester hours of credit
5. Meet residency requirements
6. No more than two grades below "B"
7. Overall GPA of 3.0
8. All credit earned within 8 years of graduation

REQUIRED CERTIFICATE COURSES: (18 Semester Hours)

COURSE NO.	TITLE	HRS	GRADE	TERM/YR	TRANSFER CREDIT
PA 6665	Leadership in Public Administration	3			
PA 6675	Public Health Services Administration and Policy	3			
PA 6676	Legal and Social Issues in Public Health Administration	3			
PA 6677	Public Health Preparedness and Emergency Response	3			
PA 6678	Introduction to Public Health				
PA 6663	Global Health Administration				

ITEMS TO BE DISCUSSED:

- Conditional or Unconditional Admission
- Availability of faculty for academic advising
- Petition for transfer credit once unconditionally admitted (3 SH maximum)
- Class attendance
- Drop and Withdrawal procedures; deadlines and consequences
- Petition for an incomplete grade
- Student participation in course and program evaluation

ADMISSION STATUS:

TYPE	DATE	INITIALS
Conditional		
Unconditional		
Residency		
Test Scores		

