MASTER OF SCIENCE IN COMPUTER SCIENCE

PROGRAM OBJECTIVES

The Master of Science in Computer Science is designed to provide advanced study and development for students who have a basic understanding of the concepts and methodologies central to professional success in the field. The objectives of the program are to:

1. Provide students with opportunities to refine their skills and core competencies in computer and information science through the advancement and development of concepts, techniques, and methodologies appropriate in the field.

2. Facilitate the development of advanced skills in an environment which will ensure both a realistic and varied exposure to contemporary information processing problems.

3. Promote the integration and application of cutting edge concepts and approaches in the computer and information science field.

ADMISSION REQUIREMENTS

1. A student must have earned a bachelor’s degree in computer and information science or a related field from a regionally accredited four-year college or university.

2. A student must meet the grade point average and test score requirements as follows:

   a. A minimum overall undergraduate grade point average of 2.5 (on a 4.0 scale) or a 3.0 grade point average (on a 4.0 scale) for the last 27 semester hours (45 quarter hours).

   b. A score of 1000 on the Graduate Record Examination (GRE)

3. A working knowledge of discrete mathematics. This requires completion of CS 3312 or its equivalent.

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements. Individuals admitted on a conditional basis may satisfy the requirements for unconditional admission as follows:

1. Students must have their GRE test score on file with the admissions office by the completion of the FIRST semester in which they are enrolled in CS courses.

2. Students failing to achieve the minimum score of 1000 may satisfy the GRE test requirement by successfully completing 12 semester hours of graduate CS courses with a minimum grade point average of 3.0 (on a 4.0 scale).

3. Students not having a 2.5 undergraduate grade point average may satisfy the requirement by successful completion of 12 semester hours of graduate CS courses with a minimum grade point average of 3.0 (on a 4.0 scale).

4. A student with a bachelor’s degree outside the field of computer and information science may satisfy the bachelor’s degree requirement by completing ALL of the following (see adviser for specifics):

   CS 2244  3  Computer Science I
   CS 2260  3  Computer Science II
   CS 2261  3  Foundations in Computer Science
   CS 3312  3  Discrete Mathematics
   CS 3323  3  Data Structures
   CS 3357  3  Logical Structures of Computer Design

Additional courses may be required by the CS Graduate Adviser depending on the student’s background. A student must complete all courses with a grade point average of 3.0 (on a 4.0 scale).
DEGREE OPTIONS

There are two degree options: thesis and non-thesis. In the thesis option, the student must be admitted to candidacy prior to successfully completing and defending a thesis, in addition to completing the requirements as stated below. In the non-thesis option, the student must pass a comprehensive exam and must successfully complete a research project and write a paper about that project.

ADMISSION TO CANDIDACY

Admission to the program for the M.S. in Computer Science does not constitute official admission to candidacy. The student must be admitted to candidacy for the degree at least one semester prior to the anticipated semester of graduation. To be eligible for admission to candidacy, students must meet the following requirements:

Thesis
1. Achieved unconditional admission to the program;
2. Completed at least 15 SHs of course work at Montgomery;
3. Maintained a minimum overall 3.0 GPA; AND

Non-Thesis
1. Achieved unconditional admission to the program;
2. Completed at least 6 SHs of course work at Montgomery (not including transfer credit);
3. Maintained a minimum overall 3.0 GPA; AND
4. Completed an approved research project or paper.*

*See Approval Process for Thesis below.

DEGREE REQUIREMENTS

The requirements for the degree are admission to candidacy, the successful completion of 5 graduate-level core courses and 3-5 elective courses (altogether 30SHs for the thesis option and 31 SHs for the non-thesis option) with an overall grade point average of 3.0, and successful completion of a candidacy paper or a thesis.

Thesis
1. Admittance to candidacy;
2. Completion and successful defense of thesis;
3. Maintainance of a minimum overall 3.0 GPA; AND
4. Completion of 30 SHs of graduate-level coursework including 6SHs of thesis course CS 6699.

Non-Thesis
1. Admittance to candidacy (see above requirements);
2. Maintainance of a minimum overall 3.0 GPA;
3. Completion of 31 SHs of graduate-level coursework including 1SH of CS 6699; AND
4. Passing the comprehensive examination.

*APPROVAL PROCESS FOR THESIS AND NON-THESIS RESEARCH PROJECTS

Thesis Approval Process
The thesis proposal and the thesis itself must be approved by a three member department committee -- one of whom may be outside of the CS department, CS department chair, Dean of College of Business and the Dean of the Graduate School.

Non-Thesis Approval Process
The research supervisor must approve the research proposal. The research project and related paper must be approved by a three-member department committee – one of whom may be outside of the CS department, CS department chair, Dean of College of Business, and the Graduate Dean.

SUBMISSION OF THESIS OR RESEARCH PAPER
The research paper or thesis must be submitted one semester prior to the anticipated semester of graduation.

In the thesis option, three approved copies are necessary to be bound for distribution. In the non-thesis option, two approved copies are necessary, one of which will be kept by the CS department.

COURSE INFORMATION

Core Courses (15 Hours)
CS 5543 3 Software Engineering
CS 5545 3 Computer Architecture
CS 5546 3 Information Organization and Retrieval
CS 5547 3 Applied Systems Analysis
CS 5548 3 Systems Programming and Operating Systems

Elective Courses (15 Hours)
CS 6640 3 Data Base Management Systems
CS 6641 3 Society and Information Systems
CS 6643 3 Theory and Design of Compilers
CS 6644 3 Applied Computing Techniques
CS 6646 3 Information Systems for Operations and Management
CS 6647 3 Operations Analysis and Modeling
CS 6648 3 Operations Research
Other elective (approved by adviser)
CS 6625 1-3 Special Study in CS
CS 6649 3 Special Topics in computer and Information Science
CS 6699 3-6 Research and Thesis

TOTAL (30)

OPTIONS

Thesis Option
5 Core Courses (15)
3 Electives (9)
Thesis (6)
TOTAL (30)
The Master of Science degree in Criminal Justice is designed
to broaden and enhance each student’s ability to understand, ana-
yze and evaluate issues that confront the American criminal jus-
tice system. Included in the objectives of the program’s core
coursework are (a) to prepare students to understand, analyze and
evaluate the principles and functions of personnel administration
in criminal justice applications; (b) to prepare students to under-
stand, analyze and evaluate trends and developments affecting the
interpretation of the U.S. Constitution in light of historical case
precedent; (c) to prepare students to understand, analyze and eval-
uate issues that affect the structure and functioning of the
criminal justice system; and (d) to understand, analyze and evalu-
ate the effectiveness of the American judicial process with respect
to its legal basis, organization and management. Specific institu-
tional 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 crimi-
nal 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 their problem solving analysis;
3. to develop each student’s ability to identify and develop alter-
native solutions to problems that confront the modern crimina-
l justice system based on their knowledge of current theo-
dies and concepts;
4. to develop each student’s ability to evaluate and appropri-
ately choose solutions to problems that confront the criminal jus-
tice 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 stu-
dents 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

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

1. Hold a master’s or higher degree from a regionally accred-
ted university. No test score is required. An official tran-
script 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 graduate
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 850– verbal plus quantitative, MAT 385 or 33).

Conditional Admission

Students not satisfying the requirements stated in “A (2 and
or 3)” above may be conditionally admitted to the program.
Students with a baccalaureate degree from an unaccredited or
otherwise accredited institution should see Unaccredited or
Otherwise Accredited Student Admission. Students thus admit-
ted must complete nine semester hours with a “B” or better
average. After completion of the first nine semester hours with a
“B” or better average, a student will be granted unconditional
admission. Students not satisfying conditional admission re-
quirements will be dropped from the program for one calendar
year, after which time the student must petition for readmission.

CURRICULUM

All courses offer three semester hours credit.

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
appropriate 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.

* Includes a research project and a comprehensive examination.
REQUIREMENTS FOR ADMISSION TO CANDIDACY
1. To be admitted to candidacy, students must have a 3.0 GPA on all work attempted.
2. Unconditionally admitted graduate students may apply for admission to candidacy for a degree after completing six semester graduate hours at Troy University. A student will be admitted to candidacy the term following completion of 12 semester hours.

DEGREE REQUIREMENTS
Any student completing the course work with a 3.0 GPA or better, fulfilling candidacy requirements, successfully completing the required comprehensive examinations (for CJ 6610, 6620, 6622 and 6624) and the research requirement (CJ 6650), 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 the student makes a “D” or “F” in an elective course, the course may be retaken or another elective taken in its place.)

Required Courses (12 credits)
- CJ 6610 3 Principles of Administration
- CJ 6620 3 Current Trends in Criminal Law
- CJ 6622 3 Seminar in the Administration of Justice
- CJ 6624 3 Court Administration

Electives (18 credits)
Select any 18 hours of graduate course work from the following:
- CJ 5571 3 Probation, Pardons, and Parole
- CJ 6621 3 Current Issues in Corrections
- CJ 6625 3 Specialized Study
- CJ 6630 3 Juvenile Justice
- CJ 6635 3 Community-Based Corrections/Correctional Systems
- CJ 6636 3 Criminological Theory
- CJ 6638 3 Seminar in Civil Liberties Related to Corrections
- CJ 6640 3 Seminar in Law Enforcement
- CJ 6644 3 Administrative Law
- CJ 6649 3 Statistics for Criminal Justice Research
- CJ 6650 3 Survey of Research Methods in Criminal Justice
- CJ 6652 3 Seminar in Corrections
- CJ 6655 3 Special 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
- CJ 6694 3 Thesis Practicum
- CJ 6695 3 Thesis

TOTAL 30 Hours

OR
(Thesis option)

Required Courses (as above): 12 hours
Thesis Practicum 3 hours
Thesis: 3 hours
Electives 18 hours
TOTAL 36 hours

MASTER OF SCIENCE IN ENVIRONMENTAL AND BIOLOGICAL SCIENCES

The Master of Science in Environmental Analysis and Management is designed to broaden the student's perspective and understanding of environmental problems and their solutions. The Program prepares students to understand the interdisciplinary nature of environmental analysis and management, the application of empirical and theoretical knowledge in specific areas of the environmental field, the resolution of environmental conflicts, and the communication of this information to others. The Program objectives are listed below:

1. To provide students with the conceptual foundations for addressing local, regional, and global environmental issues from the perspectives of resources management, technical analysis and interpretation, communication, policy, compliance, and administration
2. To teach students the technical skills for conducting environmental research in the areas of natural resources management, environmental chemistry, and toxicology
3. To demonstrate how the environmental and biological sciences provide the technical and scientific underpinnings for addressing many social, economic, and political problems

PREREQUISITE REQUIREMENTS
Candidates for admission must have a baccalaureate degree, preferably in a technical subject area. Candidates should have completed foundation courses in the biological sciences, one year of general chemistry, and one course in statistics.

ADMISSION REQUIREMENTS FOR MASTER OF SCIENCE IN ENVIRONMENTAL ANALYSIS AND MANAGEMENT

To apply for admission to the graduate program in Environmental Analysis and Management, applicants must submit the following materials:

- Completed Application for Admission to the Graduate School
- Official transcript(s) from undergraduate and other graduate schools
- Official copy of GRE or MAT scores
- Student medical record or health certificate
- Letters (two) of recommendation
• Statement of interest
• Résumé listing professional experience, certifications, and other preparations

Unconditional Admission

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

a. 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
b. Demonstrate an adequate academic background in the sciences that includes natural or biological sciences, general chemistry, and statistics
c. Earn at least 850 on the Graduate Record Examination (GRE) (Combined verbal and quantitative) or a score of at least 33 or 385 on the Miller Analogies Test (MAT)

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 Catalogue. 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) might be required to complete additional course work before being granted unconditional admission to the program.

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 catalogue 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.

REQUIREMENTS FOR ADMISSION TO CANDIDACY

To be admitted to candidacy, students must have completed a minimum of 10 semester hours in the Program and have attained a minimum 3.0 GPA on all work attempted, including a minimum grade of 3.0 (4.0 scale) in EAM 6691. 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.

DEGREE REQUIREMENTS

1. Unconditional Admission
2. Admission to Candidacy
3. Completion of curriculum listed below
4. Successful completion of EAM 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 Analysis and Management.

GRADUATE ASSISTANTSHIPS

The Graduate School offers several different types of assistantships and fellowships. Students should check the Graduate School’s website (www.troyst.edu/graduateschool/index.html) for details about assistantships and fellowships, deadlines, and copies of application forms. Students should send the completed assistantship forms to the Department of Biological and Environmental Sciences, 213 McCall Hall. Students should also contact a faculty member who would be willing to serve as their graduate thesis adviser before applying for an assistantship.

CORE COURSES AND CONCENTRATIONS

Required Core Courses (10 hours)
EAM 6601 3 Environmental Ethics, Policy and Law
EAM 6630 3 Pollution Science
EAM L630 1 Pollution Science Lab
EAM 6691 3 Research Methodology and Experimental Design

Resources Management Concentration

Non-Thesis Option (26 hours)
A) Required course:
EAM 6603 3 Environmental Management
EAM 6612 3 Environmental Impact Studies/Risk Management
EAM 6650 3 Spatial Analysis Using GIS
EAM L650 1 Spatial Analysis Using GIS Lab
B) Electives (16 hours)

Thesis Option (20 hours minimum)
A) Select one course:
EAM 6603 3 Environmental Management
EAM 6612 3 Environmental Impact Studies/Risk Management
EAM 6650 3 Spatial Analysis Using GIS
EAM L650 1 Spatial Analysis Using GIS Lab
B) Electives (10-14 hours)
C) EAM 6695 2-6 Thesis Research

Environmental Chemistry and Toxicology Concentration

Non-Thesis Option (26 hours)
A) Required courses:
EAM 6609 3 Environmental Chemistry
EAM L609 1 Environmental Chemistry Lab
EAM 6621 3 Environmental Toxicology

B) Select one course with its corresponding lab:
BIO 5513 3 Limnology
BIO L513 1 Limnology Lab
BIO 5516 3 Environmental Microbiology
BIO L516 1 Environmental Microbiology Lab

C) Electives (15 hours)

Thesis option (20 hours minimum)
A) Required courses:
EAM 6609 3 Environmental Chemistry
EAM L609 1 Environmental Chemistry Lab
EAM 6621 3 Environmental Toxicology

B) Select one course with its corresponding lab:
BIO 5513 3 Limnology
BIO L513 1 Limnology Lab
BIO 5516 3 Environmental Microbiology
BIO L516 1 Environmental Microbiology Lab

C) Electives 3-6 hours

D) EAM 6695 2-6 Thesis Research

MASTER OF SCIENCE IN INTERNATIONAL RELATIONS

PROGRAM OVERVIEW AND OBJECTIVES

World politics has undergone a profound alteration over the past two decades. The collapse of the former Soviet Union, the evolution of the European Union, recent events in the Middle East and Central Asia, as well as the rise of non-state power centers such as al-Qa’ida, clearly demonstrate a significant paradigm shift in international affairs. The Cold War, which dominated global events for nearly five decades, is over. Yet, what replaces the institutions of that era is not altogether clear. What is clear is that the world community is increasingly interdependent, traditional identities and cultural norms are challenged, and new conflicts 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 the foundation and knowledge needed for understanding the conduct of international relations. Students are encouraged to gain a wide-ranging appreciation for the political, historical, cultural, economic, and geographical factors that affect international relations. This appreciation is accomplished through an interdisciplinary course of instruction that draws upon a variety of resources. In addition, students develop methodological, analytical, and theoretical skills necessary for understanding and evaluating the impact of global and national issues on world events.

The program offers courses covering an array of topical areas such as history, regional studies, comparative government, foreign policy studies, political economy, geography, conflict management, national security, international organization and law, intercultural relations, and developing states.

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 have included 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

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

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 920 – verbal plus quantitative, MAT 40, GMAT 490).

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 Bulletin.

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 MSIR program and must be approved by the Dean of Arts and Sciences or Chair of the Department of Political Science.
REQUIREMENTS FOR ADMISSION TO CANDIDACY
1. To be admitted to candidacy, students must have a 3.0 GPA on all work attempted. 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 be retaken or another elective taken in its place.
2. Unconditionally admitted graduate students may apply for admission to candidacy after completing six semester graduate hours and requirements as outlined for the specific degree program. A student will be admitted to candidacy the term following completion of 12 semester hours.

DEGREE REQUIREMENTS
1. Unconditional admission
2. Overall 3.0 GPA
3. Completion of the curriculum listed below
4. Successful completion of comprehensive examination or a thesis
5. Successful completion (“B” or better) of program research requirement – IR 6601
6. Admission to candidacy

CURRICULUM
All courses offer three semester hours credit.

The MSIR curriculum of study consists of three integral components.

I. Four core required courses
II. The selection and completion of a program concentration
III. The successful completion of a comprehensive examination OR the preparation and defense of a Master’s Thesis

CORE REQUIRED COURSES -- All MSIR students must take these 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

CONCENTRATION — Students must choose ONE of the following concentrations:

- Global Studies
- National Security Affairs
- Regional Affairs

GLOBAL STUDIES CONCENTRATION
Students may choose any eight of the following courses:

GEO 5506 3 Urbanism
GEO 5511 3 Demography
GEO 5526 3 Geography of the Russian Realm

GEO 6624 3 Geographic Characteristics of the Developing Realm
HIS 5503 3 Contemporary Europe
HIS 5504 3 Military History of the United States
HIS 5510 3 Modern England
HIS 5515 3 Contemporary America, 1945 to Present
HIS 5523 3 U.S. Diplomatic History
HIS 5532 3 Russia to 1861
HIS 5533 3 Russia since 1861
HIS 5545 3 Modern Germany
HIS 5551 3 The Far East
HIS 5583 3 Latin American States
HIS 6614 3 Contemporary Japan
HIS 6615 3 Seminar in Latin American History
IR 5502 3 International Political Geography
IR 5524 3 Contemporary American Foreign Policy
IR 5533 3 Comparative Government
IR 5552 3 International Law
IR 5570 3 Politics of Southeast Asia
IR 6600 3 Selected Topics in International Relations
IR 6602 3 Geostrategic Studies
IR 6610 3 International Organizations
IR 6625, 6626, 6627 3 Specialized Study in International Relations
IR 6629, 6630 3 Seminar in International Relations
IR 6631 3 Intercultural Relations
IR 6633 3 Developed and Developing Nations
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 Latin America in World Affairs
IR 6642 3 Russia and Eastern Europe
IR 6644 3 Middle East in World Affairs
IR 6645 3 Asia in World Affairs
IR 6647 3 Western Europe in World Affairs
IR 6648 3 Sub-Saharan Africa in World Affairs
IR 6653 3 Political Psychology
IR 6654 3 Media, Technology, and International Politics
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 6670 3 United Kingdom in World Affairs
IR 6672 3 Germany in World Affairs
IR 6675 3 Central America in World Affairs
IR 6676 3 Japan in World Affairs
IR 6677 3 China in World Affairs
IR 6681 3 Tribalism and Colonialism in Africa
IR 6685 3 Terrorism and Political Violence
IR 6686 3 Drug Politics in the Americas
NATIONAL SECURITY AFFAIRS CONCENTRATION
Students must choose any four of the following courses:

- HIS 5504 3 Military History of the United States
- IR 5524 3 Contemporary American Foreign Policy
- IR 5552 3 International Law
- IR 6602 3 Geostrategic Studies
- IR 6635 3 National Security Policy
- IR 6660 3 Military Strategy and International Relations
- IR 6685 3 Terrorism and Political Violence

Free electives:
Students must choose four courses from the remaining electives listed for the Global Studies Concentration.

REGIONAL AFFAIRS CONCENTRATION

Core Courses
Students must take each of the following courses:

- IR 5533 3 Comparative Government
- IR 6610 3 International Organizations
- IR 6631 3 Intercultural Relations

Concentration Relevant Electives
Students must choose three courses from one of the following regional groups:

**Latin America**
- HIS 5583 3 Latin American States
- HIS 6615 3 Seminar in Latin American History
- IR 6640 3 Government and Politics of Developing Nations
- IR 6641 3 Latin America in World Affairs
- IR 6675 3 Central America in World Affairs
- IR 6686 3 Drug Politics in the Americas
- IR 6687 3 Free Trade and Economic Integration in the Americas

**Europe**
- GEO 5526 3 Geography of the Russian Realm
- HIS 5503 3 Contemporary Europe
- HIS 5510 3 Modern England
- HIS 5545 3 Modern Germany
- IR 6642 3 Russia and Eastern Europe in World Affairs
- IR 6647 3 Western Europe in World Affairs
- IR 6670 3 United Kingdom in World Affairs
- IR 6672 3 Germany in World Affairs

**Asia**
- GEO 5526 3 Geography of the Russian Realm
- HIS 5551 3 The Far East
- HIS 6614 3 Contemporary Japan
- IR 6640 3 Government and Politics of Developing Nations
- IR 6645 3 Asia in World Affairs
- IR 6676 3 Japan in World Affairs
- IR 6677 3 China in World Affairs

Free electives:
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:

1. **Comprehensive Examination** – Students choosing this option must successfully complete a six-hour comprehensive examination, typically after all course work is completed or during the last term that they are registered for course work. Comprehensive examinations are given each term. Examination questions are developed by the MSIR faculty and approved by the Chair. Students must pass by successfully demonstrating the ability to integrate and synthesize information obtained from the course work. The comprehensive examination is graded by a minimum of two full-time and selected part-time faculty and submitted to the College of Arts and Sciences for review. Troy University faculty and staff administer comprehensive examinations.

2. **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 then successfully research, write, and defend a thesis. 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 scholarship. Students will receive no letter grade for the two thesis courses, only a Pass or a Fail. Students completing this option are not required to take the Comprehensive Examination.

Program changes from the Comprehensive Examination Option to the Thesis Option are not permitted after attempting the Comprehensive Examination.

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**MASTER OF PUBLIC ADMINISTRATION**

**Mission and Objectives**

The Troy University Master of Public Administration (MPA) program provides quality graduate professional education for individuals associated with public and nonprofit sectors by integrating teaching, research and service activities. The MPA program educates students in public administration, developing and enhancing professional competency and leadership by (1) encouraging students to develop sound intellectual foundations;
enabling students to build skill competency required for success in administrative, managerial, analytical, and leadership roles;

(3) fostering an understanding of values and ethics emphasizing diversity and democratic principles;

(4) promoting the professional development of students;

(5) facilitating an appreciation for interdisciplinary approaches and cooperative relationships; and

(6) requiring research and service activities that apply public administration knowledge.

MASTER OF PUBLIC ADMINISTRATION

The MPA degree is a 12-course, 36-credit-hour curriculum of study. Students with less than one-year of work experience will complete an additional three-hour internship course for a total of 39 credit hours. Students may take courses as pre-service, in-service, full-time, and part-time students and through Distance Learning. The MPA degree program is offered at University College sites throughout the United States, through Distance Learning, and at the Troy campus.

ADMISSION REQUIREMENTS

Unconditional Admission

1. Applicants who have completed a master’s or higher degree from a regionally accredited university are admitted unconditionally. No test score is required. An official transcript showing completion of a master’s or higher degree and a letter of recommendation that addresses the individual’s potential for success in the MPA program and his/her written and oral communication skills are required.

2. Other applicants must meet the following requirements:
   (a) Hold a baccalaureate degree from a regionally accredited college 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 are used to calculate the grade point average. All transcripts from all colleges or universities attended are required.
   (b) Have an acceptable score on the appropriate entrance exam: GRE 920 verbal and quantitative, MAT 40, or GMAT 490.
   (c) Provide a letter of recommendation that addresses the individual’s potential for success in the MPA program and his/her written and oral communication skills.

Conditional Admission

Conditional admission may be granted under certain circumstances to applicants who cannot satisfy all unconditional admission requirements.

Baccalaureate Degree Holders:

Students who earned a baccalaureate degree from a regionally accredited college or university but lack the required grade point average and/or acceptable test score for unconditional admission may be granted conditional admission for a maximum of nine credit hours if they meet all minimum admission requirements.

Minimum Admission Requirements for Conditional Admission Status:

1. A baccalaureate degree from a regionally accredited college 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 are 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 920 verbal and quantitative, MAT 40, or GMAT 490.

3. A letter of recommendation that addresses the individual’s potential for success in the MPA program and his/her written and oral communication skills.

Conditional Status:

- Students admitted under conditional status may, with the consent of their major adviser, enroll in as many as nine credit hours during their first term.

- Students admitted conditionally due to a low grade point average are cleared of their conditional status if, at the conclusion of nine credit hours, they have achieved a 3.0 grade point average or greater on all graduate work attempted.

- Students admitted conditionally due to a low test score are granted unconditional admission prior to the completion of nine hours provided they have maintained a 3.0 grade point average or have retaken the test and received a satisfactory score.

- Students must clear the conditional admission requirement of a 3.0 average at the conclusion 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 Graduate Studies and Research to re-enter.

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 degree. These courses must be comparable in Bulletin description to courses in the MPA program and must be approved by the Dean of Arts and Sciences or the Director of the MPA Program. No more than nine approved Professional Military Education hours may be used toward the transfer maximum of 12 credit hours.

REQUIREMENTS FOR ADMISSION TO CANDIDACY

1. Unconditionally admitted MPA students may apply for admission to candidacy after completing six credit hours and the MPA requirements as outlined for the MPA degree. A student is admitted to candidacy the term following the completion of 12 credit hours.

2. To be admitted to candidacy, students must have a 3.0 GPA on all work attempted. If the student makes a “D” or “F” in a core course, the core course must be retaken. If the student makes a “D” or “F” in an elective course, the elective course may be retaken or another elective taken in its place.

3. PA 6699, Capstone in Public Administration, must be taken as the final core course or, with the approval of the instructor, in conjunction with the final core course in the MPA program. The student must have a 3.0 grade point average to take this course and must achieve at least a grade of “B” to successfully complete this course.
4. Students with less than one year work experience in a para-professional, professional, technical, or supervisory position are required to complete PA 6694, Internship, for an additional three credit hours to the 36-hour program. The Internship cannot be used to satisfy an elective or core course requirement.

DEGREE REQUIREMENTS
1. Unconditional Admission
2. Overall 3.0 GPA
3. Admission to candidacy
4. Successful completion of PA6601 Research Methods in Public Administration with a grade of “B” or better
5. Successful completion of PA6699, Capstone in Public Administration, with a grade of “B” or better
6. Completion of MPA Degree curriculum

CURRICULUM
The MPA degree curriculum consists of 12 courses including nine core courses and three elective courses from one concentration. All courses offer three hours of credit except PA 6660, which offers one to three hours.

Required Core Courses (27 hours)
I. All MPA degree seeking students must take these seven courses:
   PA  6601  3 Research Methods in Public Administration
   PA  6610  3 Foundations of Public Administration
   PA  6620  3 Organization Theory or PA 6646 Organizational Behavior
   PA  6622  3 Public Policy Analysis
   PA  6624  3 Public Human Resource Management
   PA  6650  3 Governmental Budgeting
   PA  6699  3 Capstone in Public Administration

II. Students must select one of the following courses:
   PA  6602  3 Quantitative Methods in Public Management
   PA  6603  3 Economics for Public Management
   PA  6631  3 Program Evaluation

III. Students must select one of the following courses:
   PA  6640  3 Intergovernmental Relations
   PA  6644  3 Administrative Law
   PA  6674  3 Ethics in Public Administration

Concentrations (nine hours)
Students must select one of the following concentrations and take three courses from one of the following concentrations:
- Education
- Environmental Management
- Government Contracting
- Health Care Administration
- Justice Administration
- Management Information Systems
- National Security Affairs
- Nonprofit Management
- Public Human Resource Management
- Public Management

CONCENTRATIONS

EDUCATION
EDU  6615  3 Social and Philosophical Foundations of American Education
EDU  6651  3 Comparative Education
EDU  6652  3 Issues in Education
EDU  6660  3 Current Trends in Education
PSY  6631  3 Psychological Foundations of Education

ENVIRONMENTAL MANAGEMENT
EAM  6601  3 Environmental Ethics, Policy, and Law
EAM  6603  3 Environmental Management
EAM  6611  3 Global Pollution and International Environmental Policy
EAM  6612  3 Environmental Impact Studies and Risk Management
EAM  6613  3 Environmental Economics
EAM  6614  3 Natural Resources Economics
EAM  6615  3 Permitting and Regulatory Compliance
EAM  6623  3 Environmental Negotiations and Conflict Resolution
EAM  6665  3 Sustainable Development
EAM/HIS 5550  3 Environmental History of the United States

GOVERNMENT CONTRACTING
PA  6645  3 Managing Government Contracts
PA  6647  3 Advanced Contract Administration
PA  6648  3 Contract Negotiation
PA  6649  3 Government Contract Law
PA  6668  3 Grant Writing for Public and Nonprofit Organizations

HEALTH CARE MANAGEMENT
HSA  6680  3 Health Services Administration and Policy
HSA  6681  3 Legal and Social Issues in Health Administration
HSA  6682  3 Health Care Planning and Management
HSA  6683  3 Health Care Economics
HSA  6684  3 Managed Healthcare

JUSTICE ADMINISTRATION
PA  6620  3 Organization Theory
CJ  6620  3 Current Trends in Criminal Law
CJ  6622  3 Seminar in the Administration of Justice
### MANAGEMENT INFORMATION SYSTEMS

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- PA 6679: Computers and Government Information Systems
- PA 6686: Current Problems and Issues in Public Sector Information Management
- PA 6687: Systems Analysis in Public Administration
- PA 6688: Government Data Communications, Networks, and Systems

### NATIONAL SECURITY AFFAIRS

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- IR 5524: Contemporary American Foreign Policy
- IR 5551: Survey of International Relations
- IR 5552: International Law
- IR 6602: Geospatial Studies
- IR 6610: International Organizations
- IR 6620: International Political Economy
- IR 6635: National Security Policy
- IR 6660: Military Strategy and International Relations

### NONPROFIT MANAGEMENT

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- PA 6630: Strategic Planning
- PA 6631: Program Evaluation
- PA 6645: Managing Government Contracts
- PA 6666: Foundations of Nonprofit Organizations
- PA 6667: Executive Leadership in Nonprofit Organizations
- PA 6668: Grant Writing for Public and Nonprofit Organizations
- PA 6669: Nonprofit Financial Management
- PA 6674: Ethics in Public Administration

### PUBLIC HUMAN RESOURCE MANAGEMENT

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- HRM 6601: Legal Environment of Employment Decisions
- HRM 6604: Labor Law
- HRM 6619: Seminar in Human Resources Administration
- HRM 6622: Human Resources Staffing
- HRM 6623: Training and Human Resources Development
- HRM 6632: Compensation and Benefits
- PA 6630: Strategic Planning
- PA 6646: Organization Behavior

### PUBLIC MANAGEMENT

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- PA 6602: Quantitative Methods in Public Management
- PA 6603: Economics for Public Management
- PA 6612: Comparative Public Administration
- PA 6620: Organization Theory
- PA 6630: Strategic Planning
- PA 6631: Program Evaluation
- PA 6640: Intergovernmental Relations
- PA 6644: Administrative Law
- PA 6645: Managing Government Contracts
- PA 6646: Organizational Behavior
- PA 6652: American Public Finance
- PA 6665: Leadership in Public Administration
- PA 6668: Grant Writing for Public and Nonprofit Organizations
- PA 6674: Ethics in Public Administration
- PA 6679: Computers and Government Management Information Systems

### Concentration Courses

PA 6625 (Specialized Study in Public Administration) or PA 6660 (Readings in Public Administration) with the prior approval by the MPA Director or faculty adviser may be utilized in any concentration. 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.

Cross-listings applicable to the Master of Public Administration Degree Program only from other courses listed in this *Bulletin*:

<table>
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