

---

## **MASTER OF SCIENCE IN COMPUTER SCIENCE**

---

### **PROGRAM OBJECTIVES**

The Master of Science degree 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 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 science field.

### **ADMISSION REQUIREMENTS**

For unconditional admission, students must satisfy the following:

1. A student must have earned a bachelor's degree in Computer Science (CS) or a related field from a regionally accredited four-year college or university.
2. A student must meet the grade point average and Graduate Record Examination (GRE) 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 for the last 27 semester hours (45 quarter hours).
  - b. A minimum composite score of 800 on the verbal and quantitative portions of the GRE.

CONDITIONAL ADMISv T52 54/TT4 13.30Twc32 5r29.i.Tias TJ2 -1.1533

**REQUIREMENTS FOR 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

COLLEGE OF ARTS AND SCIENCES · 24

CS 6641 – Society and Information Systems	3 SH
CS 6643 – Theory and Design of Compilers	3 SH
CS 6646 – Information Systems for Operations and Management	3 SH
CS 6647 – Simulation and Modeling	3 SH
CS 6648 – Operations Research	

**CURRICULUM**

All courses offer three semester hours credit.

**TRANSFER CREDIT**

A maximum of four courses (12 semester hours) taken at

## 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 AND BIOLOGICAL SCIENCES

To apply for admission to the graduate program in Environmental and Biological Sciences, 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 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) 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 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.

## 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) EBS 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 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.

## GRADUATE ASSISTANTSHIPS

The Graduate School offers several different types of assistantships and fellowships. Students should check the Graduate School's website ([www.troy.edu/graduateschool/index.html](http://www.troy.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 appl6067 (pl6067")5.6cal assis6a5.5(lpl60 ps a)TJ



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 396, 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 Uni-

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
IR	6687	3	Free Trade and Economic Integration in the Americas
IR	6688	3	Islamic Fundamentalism
PA	6610	3	Foundations of Public Administration
PA	6612	3	Comparative Public Administration





**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 stu-

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
CJ	6624	3	Court Administration
CJ	6630	3	Juvenile Justice
CJ	6640	3	Seminar in Law Enforcement
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	6610	3	International Organizations
IR	6620	3	International Political Economy
IR	6635	3	National Security Policy
IR	6660	3	Military Strategy and International Relations

**NONPROFIT MANAGEMENT**

PA	6630	3	Strategic Planning
PA	6631	3	Program Evaluation
PA	6645	3	Managing Government Contracts
PA	6666	3	Foundations of Nonprofit Organizations
PA	6667	3	Executive Leadership in Nonprofit Organizations
PA	6668	3	Grant Writing for Public and Nonprofit Organizations
PA	6669	3	Nonprofit Financial Management
PA	6674	3	Ethics in Public Administration

**PUBLIC HUMAN RESOURCE MANAGEMENT**

HRM	6601	3	Legal Environment of Employment Decisions
-----	------	---	---

HRM	6604	3	Labor Law
HRM	6619	3	Seminar in Human Resources Administration
HRM	6622	3	Human Resources Staffing
HRM	6623	3	Training and Human Resources Development
HRM	6632	3	Compensation and Benefits
PA	6630	3	Strategic Planning
PA	6646	3	Organization Behavior

**PUBLIC MANAGEMENT**

PA	6602	3	Quantitative Methods in Public Management
PA	6603	3	Economics for Public Management
PA	6612	3	Comparative Public Administration
PA	6620	3	Organization Theory
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	6652	3	American Public Finance
PA	6665	3	Leadership in Public Administration
PA	6668	3	Grant Writing for Public and Nonprofit Organizations
PA	6674	3	Ethics in Public Administration
PA	6679	3	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*.

PA 6601	BUS	6610	CJ	6650	IR 6601
PA 6602	QM	6640			
PA 6620	CJ	6671			
PA 6644	CJ	6644			
PA 6646	MGT	6671			
PA 6679	IS	6679			

Effective Fall 2006

TROY UNIVERSITY

Graduate Degree Plan and Progress Record/  
Application for Admission to Candida

[REDACTED]

CS 5550	Operating System Principles	3							
CS 6649	Special Topics in Computer and Information Science								

[REDACTED]





Effective Fall 2006

ROYAL UNIVERSITY

Criminal Justice Program

Graduate Degree Plan and Progress Record

Application for Admission to Candidacy  
36 Semester Hour Program

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

1. Successfully completed admissions

5. Meet residence requirements

REQUIRED CORE COURSES - 15 Semester Hours

SPER	HRS	GRADE	MARK	CREDIT	COURSE NO	Prerequisites	TYPE

on	Type	Date	Initials	1. Admission Status	2. Temporary, Conditional, and Unconditional Admissi

5. Class Attendance

Resid

TROY UNIVERSITY

NON-TO-GRADE FORM

CHECK ONE:  BY CHECKING  Admission to Candidacy

I hereby certify that the student has completed all requirements for admission to candidacy for the degree of Master of Science in Biological Sciences and that the student has completed all requirements for admission to candidacy for the degree of Master of Science in Biological Sciences.

DEGREE REQUIREMENTS:

- 1. GRE or equivalent test scores submitted.
- 2. Unconditional Admission
- 3. 30 semester hours of credit.
- 4. 4.0 GPA for semester hours in all university credit.
- 5. Completion of research requirement with a "C" or better.
- 6. All credits earned within 5 years of graduation.
- 7. Intent to Graduate form filed.
- 8. Completion of 20 non-thesis hours of 300-level hours in the major.
- 9. No more than two grades below C.
- 10. Admission to Candidacy form completed and returned to the Registrar.

Deficiencies

Deficiency	Course	Course Title (print or type)	Credits	Grade	Semester/Year

ERS/S/O	EFOS	Thesis Research	ERS/S/O	EFOS	Thesis Research

Approved: \_\_\_\_\_ Student's Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_ Chair, Biological Sciences Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Approved: \_\_\_\_\_  
 Advisor Date: \_\_\_\_\_ Dean, College of Arts and Sciences Date: \_\_\_\_\_

Distribution: \_\_\_\_\_ Approved: \_\_\_\_\_  
 White Graduate School Yellow Student \_\_\_\_\_  
 Date: \_\_\_\_\_ Date: \_\_\_\_\_  
 Green Records \_\_\_\_\_  
 Troy Public \_\_\_\_\_



UNIVERSITY

CHECK ONE:  WITH CHECKBOX  Admission to Candidacy

I hereby certify that the student named herein has completed the requirements for the degree of PH.D. in Environmental Microbiology and is hereby recommended for admission to the Ph.D. Program in Environmental Microbiology of the College of Arts and Sciences at the University of North Carolina at Charlotte.

2. Unconditional Admission
3. 30 semester hours of credit
8. All credit earned within 8 years of graduation
9. Intent to Graduate Form filed

Deficiencies

Prefix	Course#	Course Title (print or type)	Credits	Grade	Semester/Year
EBS/BIO	6691	Research Methodology and Experimental Design	3		
EBS/BIO	6661	Conservation Biology	3		

Thesis Option (6 Semester Hours)

Course Title (print or type)	Credits	Grade	Semester/Year	Prefix	Course#
Thesis Research	6			EBS/BIO	6695

Advisor: \_\_\_\_\_ Date: \_\_\_\_\_ Dean of College of Arts and Sciences: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Approved: \_\_\_\_\_

Dean, Graduate School \_\_\_\_\_ Date \_\_\_\_\_

Troy Publications 384-196

Yellow-Student  
Green-Records  
Pink— Biological Sciences  
Gold—Advisor

Effective Fall 2006

TROY UNIVERSITY

MASTER OF SCIENCE IN INTERNATIONAL

RELATIONS

Application for Admission to Candidacy

Campus

Name

Student ID #

Email

Address

May not use "Student Academic Credits" or "Academic Evaluation" report.

Copy of transcript must be attached.

DEGREE REQUIREMENTS:

1. Overall GPA of 3.0

1. GRE, or equivalent exam, test scores submitted

APPROVED ELECTIVES (6-12 HOURS)

APPROVED ELECTIVES (0-12 HOURS)

ITEMS TO BE DISCUSSED

