

**TROY UNIVERSITY**  
**MASTER IN COMPUTER SCIENCE**  
 Graduate Degree Plan and Progress Record  
**30 / 31 Semester-Hour Program**

Name:  Student ID#:  Campus:

Address:  Email:

Copy of transcript must be attached. May not use "Student Academic Credits" or "Academic Evaluation" report.

**DEGREE REQUIREMENTS:**

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| 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. 30/31 Semester hours of credit                | 10. Degree plan filed                                      |
| 5. Meet residency requirements                   | 11. Successfully complete comprehensive exam or thesis     |
| 6. No more than two grades below "B"             | 12. 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	Computer Science II	3			
CS 3310	Foundations of Computer Science Concepts	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** (15 Semester Hours)

CS 5543	Software Engineering	3			
CS 5545	Computer Architecture	3			
CS 5547	Applied Systems Analysis	3			
CS 5549	Analysis of Algorithms	3			
CS 5550	Operating System Principles	3			

**ELECTIVES:** (15/16 Semester Hours)

CS 6640	Data Base Management Concepts	3			
CS 6641	Society and Information Systems	3			
CS 6643	Theory and Design of Compilers	3			
CS 6646	Information Systems for Operations and Management	3			
CS 6647	Simulation and Modeling	3			
CS 6648	Operations Research	3			
CS 6649	Special Topics in Computer and Information Science	3			
CS 6650	Distributed Systems Principles	3			
CS 6651	Artificial Intelligence	3			
CS 6652	XML Technology Principles	3			
CS 6653	Topics in Software Security and Reliability	3			
CS 6654	Topics in Software Engineering	3			
CS 6655	Digital Logic Design Principles and Practice with Emphasis on Testable Semicustom Circuits	3			
CS 6656	Design and Testing of Reliable Digital Systems	3			
CS 6660	Algorithmic Graph Theory	3			
CS 6664	High-Performance Computing	3			
CS 6666	Computer Graphics	3			
CS 6668	Network Security	3			

