

TROY UNIVERSITY
MASTER of SCIENCE 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			

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 6625/26/27	Special Study in Computer Science	1-3			
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 6699	Research Design and Thesis	3-6			

ADVISER APPROVED ELECTIVES*: (9 Semester Hours) **See Graduate Catalog for list of course options.*

