ARKANSAS STATE UNIVERSITY
COLLEGE OF SCIENCES AND MATHEMATICS

DEGREE AND MAJOR: **M. S., COMPUTER SCIENCE**

NAME: _____

STUDENT ID: _____

CATALOG YEAR: 2015 - 2016
revised: 09/21/15

	SUBSTITUTION OR TRANSFER COURSE NO.	GRADE

CORE REQUIREMENTS: 9-27 hours

Compilers or Automata Theory (one of next three)

	SUBSTITUTION OR TRANSFER COURSE NO.	GRADE
CS 5133: Compilers		
CS 5723: Automata Theory	_____	_____
CS 6723: Computability Theory	_____	_____

Computer Systems (one of next four)

CS 5313: Computer Networks	_____	_____
CS 6213: Parallel Processing	_____	_____
CS 6823: Distributed Systems	_____	_____
CS 6823: High Performance Computing	_____	_____

Algorithms (one of next two)

CS 5713: Analysis of Algorithms	_____	_____
CS 6713: Advanced Analysis of Algorithms	_____	_____

ELECTIVES : 6-24 hours (Total 33 hrs including core courses)

Selections may include up to 9 hrs. MATH/STAT, w/ prior approval.

CS 5113: Software Engineering	_____	_____
CS 5223: UNIX Systems Programming	_____	_____
CS 5413: Computer Graphics I	_____	_____
CS 5423: Computer Graphics II	_____	_____
CS 5433: Artificial Intelligence	_____	_____
CS 5543: Database Systems	_____	_____
CS 583V: Internship	_____	_____
CS 6313: Data Security	_____	_____
CS 6413: Solid Modeling	_____	_____
CS 6423: Robotic Software Control	_____	_____
CS 6813: Seminar in Computer Science	_____	_____
CS 6823: ST - Adv Computer Architecture	_____	_____
CS 6823: ST - Bioinformatics	_____	_____
CS 6823: ST - Computer & Network Security	_____	_____
CS 6823: ST - Datamining	_____	_____
CS 6823: ST - DB System Implementation	_____	_____
CS 6823: ST - Image Processing	_____	_____
CS 6823: ST - Machine Learning	_____	_____
CS 688V: Independent Study	_____	_____
CS 689V: Thesis	_____	_____
_____		
_____		
_____	_____	_____
_____	_____	_____

Note:

A minimum of thirty-three hours are required for this degree, eighteen of which must be 6000 level coursework.

UNDERGRADUATE DEFICIENCIES

Required deficiencies bring M. S. candidate to level of B. S. degree graduate.

No 6000-level courses for credit until all deficiencies circled below have been completed.

Computer Science:

three of next three

	SUBSTITUTION OR TRANSFER COURSE NO.	GRADE
CS 2114: Structured Programming		
CS 2124: OOP & Fund Data Structures	_____	_____
CS 3113: Algorithms & Adv Data Structures	_____	_____

or three of next three

CS 5012: Acc Structured Programming	_____	_____
CS 5022: Acc OOP & Fund Data Structures	_____	_____
CS 5032: Acc Algorithms & Adv Data Struct	_____	_____

and

CS 3223: Computer Organization	_____	_____
CS 3233: Operating Systems	_____	_____

Mathematics and Statistics:

MATH 2183: Discrete Structures	_____	_____
MATH 2204: Calculus I	_____	_____
MATH 2214: Calculus II	_____	_____
STAT 3233: Applied Statistics I	_____	_____

GRADUATION CHECK LIST

Undergraduate deficiencies	_____
18 hours of 6000 level coursework	_____
3.00 average overall	_____
3.00 average in major	_____
33 hours for degree	_____
Comprehensive exam	_____

Current Enrollment:

1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

The above named student has met all requirements for graduation providing he/she satisfactorily completes the courses of current enrollment.

_____   _____
Adviser   Date

_____   _____
Chair of Computer Science   Date

_____   _____
Dean of Graduate School   Date