ARKANSAS STATE UNIVERSITY
COLLEGE OF SCIENCES AND MATHEMATICS

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

NAME:

STUDENT ID:

CATALOG YEAR: 2016 - 2017
revised: 02/01/16

	SUBSTITUTION OR TRANSFER COURSE NO.	GRADE

CORE REQUIREMENTS: 9-27 hours

Compilers or Automata Theory (one of next three)

CS 5133: Compilers

CS 5723: Automata 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 5913: Mobile Application Development

CS 6313: Data Security

CS 6413: Solid Modeling

CS 6423: Robotic Software Control

CS 6723: Computability Theory

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

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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

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

Note:

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

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