

# Department of Computer Science, Graduate

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## Purpose and Goals

The Master's degree programs prepare graduate students for positions in industry and research. Master's degree graduates are also provided with a foundation for continuing their doctoral studies in Computer Science or Computer Information Systems.

The primary objectives of the programs are to:

1. Address the critical shortage of professionals in Computer Science and Information Technology in Texas and the nation;
2. Provide an avenue for computer professionals in the industry to upgrade their professional skills; and
3. Prepare graduates to pursue a terminal degree in Computer Science and Computer Information Systems.

A student with a bachelor's degree in a discipline other than computer science must possess a computer science background equivalent to the following PVAMU courses before being admitted:

### MS in Computer Science Program:

COMP 2310	Discrete Structures	3
COMP 2319	Computer Organization	3
COMP 2336	Data Structures	3
COMP 3305	Analysis of Algorithms	3
MATH 2414	Calculus with Analytic Geometry II	4

### MS in Computer Information Systems Program:

COMP 1122	Computer Science Lab II	1
COMP 1337	Computer Science II	3
ECON 2302	Principles of Microeconomics	3
MATH 2413	Calculus with Analytic Geometry I	4
MATH 3302	Probability and Statistics	3
One Business Elective		3

### The Two-C Rule

A maximum of two "C" grades in graduate courses (or six SCH) will be accepted toward the graduate degree