Guidance on CS MS Admission Prerequisite Courses

Informal Guidance

The Graduate Catalog is only the official, legal document on the CS MS admissions requirements. You should always consult the latest Graduate Catalog regarding admissions requirements.

An official copy is at this link: https://cci.uncc.edu/academics/computer-science/masters-program/ms-admissions.

The information below is for additional guidance regarding the "1. Pre-requisite" component.

The Catalog states:

"Student admission will be based on:

1. Prerequisites

• Math Requirement:
  • Calculus (6 hours)
  • Linear Algebra or Statistics
  • Discrete Mathematics

• Computer Science Requirement:
  • Programming Languages
  • Data Structures
  • Computer Architecture or Operating Systems
  • Additional courses in Computer Science"

[https://cci.uncc.edu/academics/computer-science/masters-program/ms-admissions, retrieved 12/3/2018]

Math Requirement Guidance:

• Calculus (6 hours)
  • Representative Example:
    • MATH 1241 - Calculus I - UNCC catalog details
    • MATH 1242 - Calculus II - UNCC catalog details

• Linear Algebra or Statistics
  • Representative Example:
    • MATH 2164 - Matrices and Linear Algebra - UNCC catalog details
    • MATH 3122 - Probability and Statistics - UNCC catalog details

• Discrete Mathematics
  • Representative Example:
    • ITSC 2175 Logic and Algorithms - UNCC catalog details
    • MATH 1165 - Introduction to Discrete Structures - UNCC catalog details

Computer Science Requirement Guidance:

As guidance towards interpreting the above, below are related undergraduate courses in the UNCC CS BS program.

• Data Structures
  • Representative Example:
    • ITSC 2214 - Data Structures and Algorithms
  • Note: Similar to any university "Data Structures" course (typically a sophomore level course), this course has two pre-requisites which are typically freshmen level courses. Sometimes these are generically referred to as CS 101 and CS 102.
  • Representative Example:
    • ITSC 1212 - Introduction to Computer Science I
    • ITSC 1213 - Introduction to Computer Science II

• Programming Languages
  • Representative Example:
    • ITCS 4102 - Programming Languages

• Computer Architecture or Operating Systems
  • Representative Example:
    • ITSC 3146 - Introduction to Operating Systems and Networking
    • ITSC 3181 - Introduction to Computer Architecture
    • Additional courses in Computer Science

See also:

• What are the official requirements for admission?
• For Prospective Students