Guidance on CS MS Admission Prerequisite Courses

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
    or  
    • 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
    or  
    • ITSC 3181 - Introduction to Computer Architecture

• Additional courses in Computer Science

See also:

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