**AIT Foundation Courses Grouped Progression**

**Freshman Year**
- **CSCI 155 – Foundations of IT**
  - Explores the areas that comprise information technology
- **MATH 150 – Elementary Discrete Math**
  - Introduces students to the mathematics that are needed for computer science and technology
- **CSCI 152 – Programming with VB**
  - Introduces the beginning programmer to problem solving in a computer language
- **MSTI 130 Math Modeling & Quantitative Analysis**
  - Studies both the quantitative aspects of business and the foundations of different calculus for functions of several variables
- **CSCI 170 – Internet Resources**
  - Examines the overall structure of the Internet including its growth, current scope, and future direction

**Sophomore Year**
- **CSCI 200 – Web Technologies**
  - Provides a fundamental understanding of web technologies and their uses in establishing an effective web presence for industry
- **ENGL 255 – Introduction to Professional Writing**
  - Introduces the student to the basics of workplace writing
- **CSCI 220 – Multimedia Technologies**
  - An overview of multimedia technology application in profit and non-profit organizations, multimedia authoring
- **COMM 250 – Speech Communication**
  - Topics include interpersonal communication, small group communications, and public communication

**Junior Year**
- **CSCI 260 – Introduction to Databases**
  - An overview of database organization and management. Topics include dbase org, query techniques, data extraction and manipulation, and application development and design
- **CSCI 300 – Networking**
  - Fundamental understanding of networks as communication systems. Emphasis is placed on computer networks and how computer networks and distributed computing are used to solve customer problems
- **CSCI 309 – Professional Development**
  - Prepares the student for the professional world of IT and provides a platform for the initiation and continued development of a showcase of expertise in the application of IT to the chosen second discipline

**Senior Year**
- **CSCI 490 – Internship**
  - The student performs tasks assigned by the internship sponsor in a profit or non-profit organization with the goal of participating meaningfully in real-world information technology applications or research
- **CSCI 480 – Senior Project**
  - Students write and present a senior thesis involving a substantive project that demonstrates a synthesis of learning accumulated in the major

Note: This grouped progression is recommended but may be deviated from to better meet individual AIT program progression needs