

## Information Technology, MS

College of Science and Technology

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The Master of Science in Information Technology prepares students to pursue technical, as well as management careers in all employment sectors. The program emphasizes acquisition of sound theoretical concepts with intensive “hands-on” experience in the area of information technology. The courses are taught by faculty with high level expertise gained through their research activity, affiliations with industry and professional experience. Graduates of the program work in a variety of positions, some of which include: database administrator, network administrator, system analyst, IT consultant, and project manager. Recent graduates are employed with John Deere, IBM, USAA, EMC, Accenture, BB&T, First Citizens, Met Life, AT&T, General Electric, Northrop Grumman, BlueCross BlueShield, and local, state, and federal agencies. Students also have the opportunity to pursue Doctoral study.

### Learning Outcomes

- **Communication Skills:** Students completing the MS degree program in Information Technology will exhibit effective communication skills (written, oral, graphic and interpersonal) appropriate for professionals in this field of study at the master’s level.
- **Critical Thinking Skills:** Students completing the MS degree program in Information Technology will effectively use quantitative and/or qualitative analytical problem-solving skills appropriate for professionals in this field of study at the master’s level.
- **Disciplinary Expertise:** Students completing the MS degree program in Information Technology will demonstrate a level of discipline-specific expertise (knowledge, skills, and professionalism) appropriate for professionals in information technology at the master’s level.
- **Research/Creative Engagement:** Students completing the MS degree program in Information Technology will demonstrate an ability to engage productively in the review and conduct of disciplinary research and creative professional activity appropriate for professionals in information technology at the master’s level.

### Degree Requirements

Total credit hours: 30

- Core courses (9 credit hours): ITT 700, 702, 703

#### Thesis option

- Select 15 credit hours from: ITT 605, 610, 615, 620, 625, 650, 655, 665, 685, 725, 729, 731, 735, 745, 750, 752, 789; ECT 759
- Thesis: Select 6 credit hours from: ITT 791, 792, 793, 794

#### Non-Thesis option

- Select 21 credit hours from: ITT 605, 610, 615, 620, 625, 650, 655, 665, 685, 725, 729, 731, 735, 745, 750, 752, 789; ECT 759