

# MASTER OF COMPUTER INFORMATION SYSTEMS - MSCIS

## Division of Natural Sciences and Mathematics

Department of Computer Science  
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## Description

Talladega College offers a flexible, affordable, and 100% online graduate program in a Master of Science in Computer Information Systems (MSCIS) designed to be completed in as few as 18 months.

The MSCIS program is 30 semester credit hours in length with a 21-semester credit hour core and four tracks (each nine semester credit hours) from which the student must choose one option.

The following four tracks are available:

- Cybersecurity Concentration
- Health Informatics Concentration
- Thesis Option
- Non-Concentration Option

## Fully Offered at: Online

The Master of Science in Computer Information Systems (MSCIS) degree program uses a cutting-edge curriculum in information technology, cybersecurity, health informatics, project management, and database systems to help students meet the demands of the fast-paced and challenging field of Information Technology.

The Graduate program will also prepare students to participate in world recognized certification related to Cybersecurity, Information Technology and Ethical hackers to advance their careers in computer information systems and keep up with the technology as it changes.

## Admission Requirements

- The requirement for admission to MSCIS program is to have a bachelor's degree from a regionally accredited institution with a major of computer science, computer information systems, management information systems, business, criminal justice, computer professionals, or a closely related field with at least a 2.50 GPA on a 4.0 scale. Some majors other than computer science, computer information systems or business will require some additional fundamental courses to enhance student success in the program.

- Application Form
- Application Fees
- Official Transcript Each Post-Secondary Institution Attended
- Two References
- Personal Statement
- Resume

## Admission Tests

- Standardized Test Scores: GMAT and GRE are not required.
- Not Required: Test of English as a Foreign Language (TOEFL) is not required but a graduate student application should demonstrate the evidence of speaking and writing the English language.

For more information about graduate admissions, please review the Graduate Catalog. For more information on international admission, call the **Admissions Office Phone** (866) 540-3956 or (256) 761-6235  
Email: admissions@talladega.edu

## Program Learning Outcomes

Upon successful completion of the Talladega College Master of Science in Computer Information Systems program, the graduate will be able to:

- Continuously monitor, maintain, and enhance the protection of enterprise-wide information assets through effective industry accepted information management and risk management techniques.
- Conduct risk and vulnerability assessments of existing and proposed information systems.
- Utilize the best sources of information available related to IT issues, security threats, and recovery.
- Demonstrate the ability to understand professional, ethical, and social responsibility, including the effect of culture, diversity, and interpersonal relations.
- Demonstrate proficiency in communicating technical information in formal reports, documentation, and oral presentations to users and information technology professionals.
- Achieve managerial responsibilities in computer science or information systems
- Identify cybersecurity best practices within the healthcare field.
- Combine technical skills in information systems with knowledge of managerial and organizational issues

# Program Requirements

## Major Requirements

- The program will require **30 semester hours** of graduate-level courses. Out of 30, the program will include **seven required core courses (21-credit hours)**.
- Two concentrations** track for **nine credit hours each**.
- The program also offers a **thesis option** for six credit hours with the selection of any three-credit course from elective courses.
- The fourth option is the **non-concentration track** which includes the 21-credit hour core and three self-selected electives (9 credit hours) to equal a total of 30 credit hours required for degree completion.

## Awarding of Transfer Credit

- A student may only transfer a total of 9 credit hours regardless to the method of transfer credit being applied to the degree (e.g. graduate level transfer credit, experiential credits, and certificate credit) and must complete a minimum of 21 credit hours at Talladega College to earn the MSCIS degree from Talladega College.
- All transfer credit must carry a minimum grade of **B**
- Students may transfer a maximum of 9 credit hours toward a master's degree as long as the graduate coursework and credit hours were earned within a five-year period preceding the request for transfer hours from a regionally accredited institution.

### Core Curriculum 21 credit hours (3 Credit hours each)

Course Code (MSCIS)	Course Code
MSCIS 500	Information Technology and Project Management
MSCIS 510	Information Technology Risk Management
MSCIS 520	Database Design and Implementation
MSCIS 530	Data Communication and Networking
MSCIS 540	Network Security
MSCIS 550	The Science of Cybersecurity and Management
MSCIS 560	Ethics and Compliance Standards in Cybersecurity

### Cybersecurity Concentration Nine (9) credit hours (3 credit each)

Course Code (MSCIS)	Course Code
MSCIS 600	Advanced Network Security
MSCIS 610	Digital Forensics and Investigation
MSCIS 620	Cyber Attack and Prevention Techniques

### Health Informatics Concentration Nine (9) credit hours (3 credit each)

Course Code (MSCIS)	Course Code
MSCIS 630	Fundamentals of Healthcare Information Technology
MSCIS 640	Healthcare Informatics and data security
MSCIS 650	Healthcare Data policy, procedure, and Standards

## Thesis Option Six (6) semester credit hours

Course Code (MSCIS)	Course Code
MSCIS 660	Thesis- Project

## Electives courses

Course Code (MSCIS)	Course Code
MSCIS 505	Capstone Project in Cybersecurity or Information Systems
MSCIS 515	Decision Support Systems
MSCIS 525	E-Commerce Application Technologies
MSCIS 535	Information Assurance
MSCIS 545	Applied Data Mining and Analytics in Business
MSCIS 555	Ethics and Compliance Issues in Cybersecurity

## Curriculum Pattern

<b>Fall (Semester I: 6 Credit Hours)</b>	MSCIS 500: MSCIS 510:
<b>Spring I Semester II: 6 Credit Hours</b>	MSCIS 520: MSCIS 530
<b>Spring II Semester III: 6 Credit Hours</b>	MSCIS 540: MSCIS 550
<b>Summer Semester IV: 6 Credit Hours</b>	MSCIS 560: MSCIS 600 or 630 or Elective course
<b>Fall Semester V: 6 Credit Hours</b>	MSCIS 610 OR MSCIS 640 MSCIS 620 OR MSCIS 650 OR MSCIS 660 (6 credits)- <b>Only</b> OR Two Electives (3 credit hours each)

### Statement of Accreditation:

Talladega College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, and masters degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Talladega College.