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 and affordable online graduate program designed to be completed in as few as 18 months.

Master of Science in Computer Information Systems (MSCIS) with two concentrations areas 1) **Cybersecurity and 2) Health Informatics**. The Master of Science in Computer Information Systems (MSCIS) is a 30 credit-hour program.

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.

Thesis Track: ***In thesis option, the student needs to select one elective course to complete 30 credit hours. Plans for the thesis option must be made with the advisor or program chair. A student wishing to register for Thesis course must first obtain the approval of the faculty member who would supervise the project. [Exhibit- Graduate Catalog-Program Description]***

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 at 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 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.

Awarding of Transfer Credit

- Students may transfer up to **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.
- All transfer credit must carry a minimum grade of **B**

Core Curriculum
21 semester 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) semester 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) semester 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

Thesis Track: ***In thesis option, the student needs to select one elective course to complete 30 credit hours. Plans for the thesis option must be made with the advisor or program chair. A student wishing to register for Thesis course must first obtain the approval of the faculty member who would supervise the project. [Exhibit- Graduate Catalog-Program Description]***

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

Fall (Semester 1: 6 Credit Hours)	MSCIS 500: MSCIS 510:
Spring Semester II: 6 Credit Hours	MSCIS 520: MSCIS 530
Summer Semester III: 6 Credit Hours	MSCIS 540: MSCIS 550
Fall Semester IV: 6 Credit Hours	MSCIS 560: **Concentration I or II Option:** MSCIS 600: OR MSCIS 630: **Note: Thesis Option*(6 Credit Hours):** You can use two semesters to complete the work

See next page for detailed curriculum pattern

Curriculum Pattern

Fall

Spring

Semester 1: 6 Credit Hours

MSCIS 500: Information Technology Project Management 3

MSCIS 510: Information Technology Risk Management 3

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Semester II: 6 Credit Hours

MSCIS 520: Database Design and Implementation System 3

MSCIS 530: Data Communication and Networking 3

6

Summer

Semester III: 6 Credit Hours

MSCIS 540: Network Security 3

MSCIS 550: The Science of Cybersecurity and Management 3

6

Fall

Spring

Semester IV: 6 Credit Hours

MSCIS 560: Ethics and Compliance Standards in Cybersecurity 3

Concentration I or II Option:

MSCIS 600: Advanced Network Security
OR
MSCIS 630: Fundamentals of Healthcare Information Technology 3

6

Note: Thesis Option*(6 Credit Hours): You can use two semesters to complete the work

Semester V: 6 Credit Hours

MSCIS 610: Digital Forensics and Investigation
OR
MSCIS 640: Healthcare Informatics and data security 3

MSCIS 620: Cyber Attack and Prevention Techniques 3
OR
MSCIS 650: Healthcare Data policy, procedure, and Standards

6

Note: In case of **Thesis Option***: You need to select at least one 3 credit hours course.

Summer

Semester VI: 6 Credit Hours

MSCIS 500: Information Technology Project Management 3

MSCIS 510: Information Technology Risk Management 3

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Student can complete coursework in semester V to graduate in as few as 18 months by taking more than six credit hours in each semester

**** In thesis option, to complete 30 credit hours, at least one elective course [3 credit hours each] will be selected for those who selected the thesis. Plans for the thesis option must be made with the advisor or program chair. A student wishing to register for Thesis course must first obtain the approval of the faculty member who would supervise the project. [Exhibit- Graduate Catalog-Program Description]***

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.