

Associate in Arts to Pathway to a major in Bachelors of Science in Information Systems Technology (S5500/S9500)



Areas of Specialization

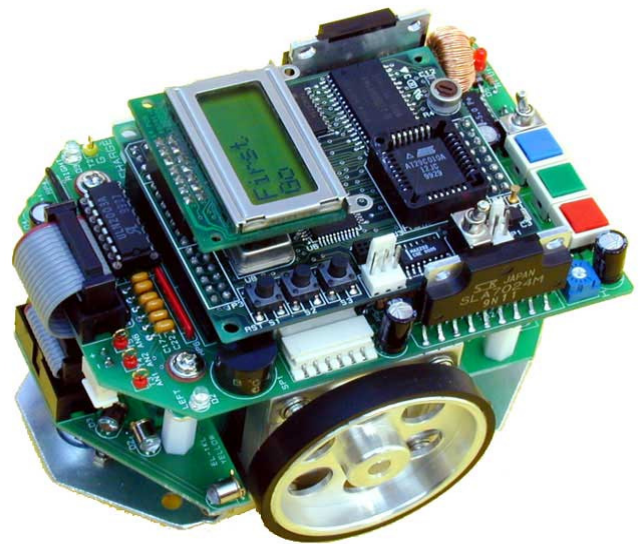
- Information Technology
- Programming
- Systems Analysis
- User Support Analysis
- Operating Systems and Networks
- Software Applications

What can I do with this degree

BS-IST degree professionals create the technological solutions that help companies meet their organizational objectives. Opportunities exist in information technology, mobile and application programming, systems analysis, etc. to provide opportunities to fill employment gaps.

About the Major

The BS-Information Systems Technology program provides students with the critical skills and knowledge required to direct and control computerized information resources within diverse organizational settings. The study of Information Systems Technology provides professionals with the expertise and knowledge to support the design, planning and management of information infrastructures, as well as coordinating information resources. The curriculum provides knowledge of the concepts upon which information systems are based and applies this understanding by analyzing applications to real-world problems and designing suitable solutions.



BS—IST AA Pathway option

Program Schedule

BS—IST AA pathway option

Total credits required for the upper-division is 60.

Bachelor of Science in Information Systems Technology is a combination of applied and theoretical coursework. In addition to courses in operating systems, project management, and networking, the program provides a thorough grounding in project-based learning. This approach allows students to build vital workplace skills and lifelong habits of learning.

The BS-IST provides seamless articulation for Miami Dade College Associate in Science students majoring in such programs as computer information technology, networking services technology, computer programming, database technology, internet services technology as well as graduates of Associate in Arts pathways leading to computer information systems and computer science programs.

Course	Course Title	Credits
UPPER DIVISION REQUIREMENTS – 36 Credits Required		
Professional Core – 28 Credits Required		
CGS 3763	Operating System Principles	4
CIS 3360	Principles of Information Security	4
CIS 3510	IT Project Management	4
CIS 4617	Knowledge Management	4
CIS 4891	Capstone Project	4
CIS 4347	Information Storage Management	4
COP 4723	Database Administration	4

Discipline Content Core – 8 Credits Required

Students must complete **one** of the following two Discipline Specific Content Areas: Networking or Application Development.

Option 1: Networking (8 Credits)

CNT 4603	System Administration and Maintenance	4
CNT 4702	Network Design and Planning	4

OR

Option 2: Application Development (8 Credits)

COP 4656	Mobile Application Development	4
COP 4834	Data-Driven Web Applications	4

PROGRAM ELECTIVES – 24 Credits Required

.CHI*, FRE*, FRW*, GER*, HBR*, ITA*, JPN*, POR*, SPN* CAP*, CEN*, CET 1600, CTS1650, CTS1651, CTS2652, CTS2653, CGS*, CIS*, CNT*, COP*, CTS*
8

** BS-IST Additional information:

Pre-requisites for admission into the MDC **BS-IST** are ECO 2013, STA 2023, CGS 1060, CGS 1540, COP 1334, and either CTS 1134 or CTS 1650.

Note: You must be admitted to the BS-IST prior to enrolling in any upper-division coursework.

This suggested upper-division schedule is only one possible method to complete your degree requirements. This schedule is for students articulating from an AA pathway to the BS-IST. It is highly recommended that you seek the advice of a department advisor and/or faculty member.

First Term

12 Credits

CIS1321	Intro to Systems Analysis and Design	4
CGS1540	Database Concepts Design	4
CTS1134	Networking Technologies	4
or		
CTS1650	Networking Fundamentals	4

Second Term

16 Credits

CGS 3763	Operating System Principles	4
CIS 3360	Principles of Information Security	4
CIS 3510	IT Project Management	4
COP 4723	Database Administration	4

Third Term

16 Credits

CIS 2322	Systems Analysis and Design Implementation	4
CIS 4347	Information Storage Management	4
CIS 4617	Knowledge Management	4
COP 4656	Mobile Application Development ¹	4
or		
CNT 4603	System Administration and Maintenance ²	4

Fourth Term

16 Credits

COP 4834	Data-Driven Web Applications ¹	4
or		
CNT 4702	Network Design and Planning ²	4
CIS 4891	Capstone Project	4
Technical	Elective	4
Technical	Elective	4

¹ Students in the Applications Development Concentration must take COP4656 and COP4834

² Students in the Networking Concentration must take CNT4603 and CNT4702

FOR FURTHER INFORMATION

Miami Dade College District Board of Trustees:
Helen Aguirre Ferré, Chair • Armando J. Bucalo Jr., Vice
Chair • Bernice Navarro • Benjamin León III •
Armando J. Olivera • Marilí Cancio • Jose K. Fuentes

Eduardo J. Padrón, College President, Miami Dade College
Rolando Montoya, College Provost
Malou C. Harrison, President, North Campus
Lourdes Oroza, President, Kendall Campus
José A. Vicente, President, Wolfson Campus
Armando Ferrer, President, Medical Center Campus
Jeanne F. Jacobs, President, Homestead Campus
Joanne Bashford, President, InterAmerican Campus
Mattie Roig-Watnik, President, Hialeah Campus

The Miami Dade College Foundation supports the mission and values of Miami Dade College by encouraging gifts from a wide variety of sources, particularly in the areas of scholarship and program support. For more information on how you can contribute to the College, please call MDC at 305-237-8888.

Miami Dade College is an equal access/equal opportunity institution in compliance with ADA and does not discriminate because of veteran, marital or disability status or on the basis of age, sex, race, national origin or religion. This information is available in accessible formats. For this, or special accommodations, call 305-237-3848 three days before the event. TDD:711; 1-800-955-8771



Write us
School of Engineering and Technology
MDC Wolfson Campus
500 NE 2nd Ave, Suite 7148
Miami, FL 33132
Call or Email US
305-237-8888 / entec@mdc.edu
Visit Our Web Site