

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



Areas of Specialization

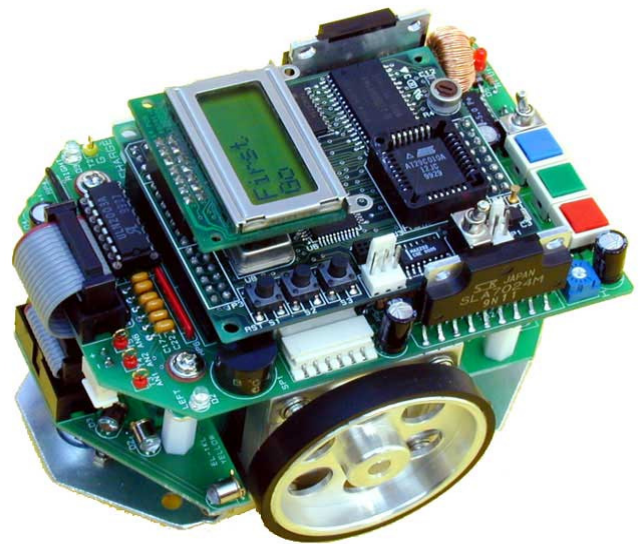
- Information Technology
- Programming
- Systems Analysis
- User Support Analysis

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 AS Pathway option

Program Schedule

BS—IST AS Pathway option

Total credits required for the upper-division is 57.

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 – 21 Credits Required

.CHI*, FRE*, FRW*, GER*, HBR*, ITA*, JPN*, POR*, SPN* CAP*, CEN*, 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 AS pathway the BS-IST. It is highly recommended that you seek the advice of a department advisor and/or faculty member.

First Term

12 Credits

Natural Science	Natural Science Group A – (e.g., PHY1020 Fundamentals of Physics)	3
ECO2013	Principles of Economics (Macro)	3
ENC1102	English Composition 2	3
STA2023	Statistical Methods	3

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

15 Credits

Humanities	Humanities - Group B	3
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

14 Credits

Natural Science	Natural Science – Group B	3
Elective	Elective	3
CIS 4891	Capstone Project	4
COP 4834	Data-Driven Web Applications ¹	4
or		
CNT 4702	Network Design and Planning ²	4

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

²Students in the Networking Concentration must take CNT4603 and CNT4702

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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: entec.mdc.edu