SJCJC
Computer Science
DEPARTMENT
INFORMATION SESSION 2024

MEETING OVERVIEW

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DEPARTMENT PROFILE

DEPARTMENT MISSION STATEMENT

The Computer Science Department aims to train students to keep abreast and knowledgeable in the latest trends in computer science, networking, applications, web development, software, hardware, IoT and AI technologies in pursuant of higher education and mobility in the work force.

Innovative minds are designed with the right teaching models

YU PEI LIN   HILARIO ROBATEAU   STACY SUTHERLAND

Our Lecturers, Mentors and Advisors

Each with technology degrees and over 15 years of teaching experience

FEATURES BY TRACKS:

GENERAL HIGHLIGHTS

PLACEMENT REQUIREMENTS

PROFESSIONAL CORE COURSES

DEPARTMENT PROGRAMS

MAJORS FOR THE FUTURE

- COMPUTER SCIENCE
- COMPUTER INFORMATION SYSTEMS
- COMPUTER NETWORKING
- INFORMATION TECHNOLOGY
- MANAGEMENT INFORMATION SYSTEMS

COMPUTER SCIENCE

At St. John's College Junior College the primary objective of our two- year Associate's degree program in Computer Science is to teach students the theoretical and mathematical foundations of technology computing. Lectures and computer laboratory time provide students with the knowledge and hands-on skills behind data structures, programming, minor networking and hardware. This degree would be suited for students who would want to become computer engineers (developers of software and hardware).

Some career options includes:
- Database Administrator
- Computer programmer
- Systems engineer
- Software engineer
- Technology device designer
- Systems Analyst

GENERAL CORE

ENG 110 COLLEGE COMPOSITION I ENG 120 COLLEGE
COMPOSITION II ENG 200 OPEN
ANY 200 LEVEL LITERATURE COURSE
FLA OPEN INTERMEDIATE SPANISH OR OTHER
FOREIGN LANGUAGE
PHIL 128 PHILOSOPHY OF HUMAN NATURE
THE 103 IGNATIAN SPIRITUALITY
THE 200 OPEN ANY 200 LEVEL THEOLOGY COURSE
SOC 121 INTRODUCTION TO RESEARCH METHODS
HIS/CRS ANY HIS OR CRS ELECTIVE
MTH 105 INTERMEDIATE ALGEBRA
MTH 115 COLLEGE ALGEBRA
CIS 106 FUNDAMENTALS OF COMPUTERS AND
PLATFORMS
COLL 101 COLLEGE SEMINAR

COMPUTER SCIENCE

77 CREDITS

PROFESSIONAL CORE

CIS125 PRINCIPLES OF PROGRAMMING I
CIS126 PRINCIPLES OF PROGRAMMING II
CIS130 SYSTEMS ANALYSIS AND DESIGN
CIS135 INTRODUCTION TO DATABASE DESIGN USING SQL
CIS233 OPERATING SYSTEMS CIS240 DATA STRUCTURES
CIS286 WWW INTERACTIVE PROGRAMMING
CIS290 CIS PROJECT
CNT125 INTRODUCTION TO NETWORKING
MTH119 TRIGONOMETRY MTH145 CALCULUS I

PHY 105 PHYSICS I
PHY 105 PHYSICS I LAB
PHY 105 PHYSICS I RECITATION

COMPUTER SCIENCE

COMPUTER INFORMATION SYSTEMS

At St. John's College Junior College the primary objective of our two-year Associate's degree program in Computer Information Systems is to teach students the foundations in developing websites, mobile technology apps, business software, create and manage databases and understand minor computer networking and hardware. This degree would be suited for students who would want to become software and database administrators.

Some career options includes:

- **Game Developer**
- **Mobile App Developer**
- **Web Developer**

- **Database developer/Admin**
- **Systems Administrator**
- **Tech Support Specialist**

COMPUTER INFORMATION SYSTEMS

73 credits

General Core Courses

ENG 110 College Composition I

ENG 120 College Composition II

Any 200 Level Literature Course

FLA OPEN Intermediate Spanish or Other Foreign Language

PHIL 128 Philosophy of Human Nature

THE 103 Ignatian Spirituality

THE 200 OPEN Any 200 Level Theology Course

SOC 121 Introduction to Research Methods

HIS/CRS Any HIS or CRS Elective

MTH 103 Intermediate Algebra

MTH OPEN Any Other Math Course

CIS 106 Fundamentals of Computers and Platforms

COLL 101 College Seminar

COMPUTER INFORMATION SYSTEMS

Professional Core courses

CIS 125 Principles of Programming I

CIS 126 Principles of Programming II

CIS 130 Systems Analysis and Design

CIS 135 Introduction to Database Design using SQL

CIS 233 Operating Systems

CIS 240 Data Structures

CIS 283 Object Oriented Programming with JAVA

CIS 284 GUI Programming

CIS 286 WWW Interactive Programming

CIS 288 Application Development

CIS 290 CIS Project

CNT 125 Introduction to Networking

COMPUTER NETWORKING

At St. John's College Junior College our two- year Associate's degree program in Computer Networking students are introduced to network operations, infrastructure and server management.They also become familiarized with basic programming principles but gain hands on technical experience with virtual labs and proprietary simulators. This degree would be suited for students who would want to become network engineer and administrators.

Some career options includes:

- Network Technician
- Network Administrator
- Data security analyst
- Cybersecurity specialist
- Systems Administrator
- Network Designer

GENERAL CORE

ENG 110 COLLEGE COMPOSITION I
ENG 120 COLLEGE COMPOSITION II
ENG 200 OPEN
ANY 200 LEVEL LITERATURE COURSE
FLA OPEN INTERMEDIATE SPANISH OR OTHER FOREIGN LANGUAGE
PHIL 128 PHILOSOPHY OF HUMAN NATURE
THE 103 IGNATIAN SPIRITUALITY
THE 200 OPEN ANY 200 LEVEL THEOLOGY COURSE
SOC 121 INTRODUCTION TO RESEARCH METHODS
HIS/CRS ANY HIS OR CRS ELECTIVE
MTH 103 INTERMEDIATE ALGEBRA
MTH OPEN ANY OTHER MATH COURSE
CIS 106 FUNDAMENTALS OF COMPUTERS AND PLATFORMS
COLL 101 COLLEGE SEMINAR

COMPUTER NETWORKING

73 CREDITS

PROFESSIONAL CORE

CIS 125 PRINCIPLES OF PROGRAMMING I
CIS 130 SYSTEMS ANALYSIS AND DESIGN
CIS 135 INTRODUCTION TO DATABASE DESIGN USING SQL
CIS 233 OPERATING SYSTEMS
CIS 261 HARDWARE FUNDAMENTALS AND PC REPAIR
CIS 283 OBJECT ORIENTED PROGRAMMING WITH JAVA
CNT 125 INTRODUCTION TO NETWORKING
CNT 135 INTERMEDIATE NETWORKING
CNT 225 ROUTING AND SWITCHING
CNT 235 NETWORK DESIGN AND SUPPORT
CNT 250 SERVER MANAGEMENT
CNT 290 COMPUTER NETWORKING PROJECT

COMPUTER NETWORKING

INFORMATION TECHNOLOGY

At St. John's College Junior College our two-year Associate's degree program in Information Technology students are introduced to applications programming, web development, fundamentals of PC repair and Networking. This degree would be suited for students who would want to purse higher education in IT and who would want to become IT Manager.

Some career options includes:

- Computer Systems Analyst
- Computer Support Specialist
- Systems Administrator
- Database developer/Admin
- App/Web developer
- Tech Support Specialist

INFORMATION TECHNOLOGY

73 credits

General Core Courses

ENG 110 College Composition I

ENG 120 College Composition II

ENG 200 OPEN

Any 200 Level Literature Course

FLA OPEN Intermediate Spanish or Other Foreign Language

PHIL 128 Philosophy of Human Nature

THE 103 Ignatian Spirituality

THE 200 OPEN Any 200 Level Theology Course

SOC 121 Introduction to Research Methods

HIS/CRS Any HIS or CRS Elective

MTH 103 Intermediate Algebra

MTH OPEN Any Other Math Course

CIS 106/113 Fundamentals of Computers and Platforms OR

Intermediate Information Technology

COLL 101 College Seminar

INFORMATION TECHNOLOGY

Professional Core courses

CIS 125 Principles of Programming I
CIS 126 Principles of Programming II
CIS 130 Systems Analysis and Design
CIS 135 Introduction to Database Design using SQL
CIS 240 Data Structures
CIS 261 Hardware Fundamentals and PC Repair
CIS 283 Object Oriented Programming with JAVA
CIS 284 GUI Programming
CIS 286 WWW Interactive Programming
CIS 288 Application Development
CIS 290 CIS Project
CNT 125 Introduction to Networking

MANAGEMENT INFORMATION SYSTEMS

At St. John's College Junior College our two- year Associate's degree program in MIS, incorporates, business management and technology coursework. The students become familiarized with accounting and technology applications. This degree is especially suited for those students who would want to pursue much higher education in MIS or those who would want to become proprietary technology specialists and digital marketers.

Some career options includes:

- Tech Support Specialist
- Virtual Marketer
- Tech Maintenance/Logistics officer
- Accounts/Finance Analyst
- Business Technology Manager
- Tech Project Lead

MANAGEMENT INFORMATION SYSTEMS

73 credits

General Core Courses

ENG 110 College Composition I

ENG 120 College Composition II

ENG 200 OPEN

Any 200 Level Literature Course

FLA OPEN Intermediate Spanish or Other Foreign Language

PHIL 128 Philosophy of Human Nature

THE 103 Ignatian Spirituality

THE 200 OPEN Any 200 Level Theology Course

SOC 121 Introduction to Research Methods

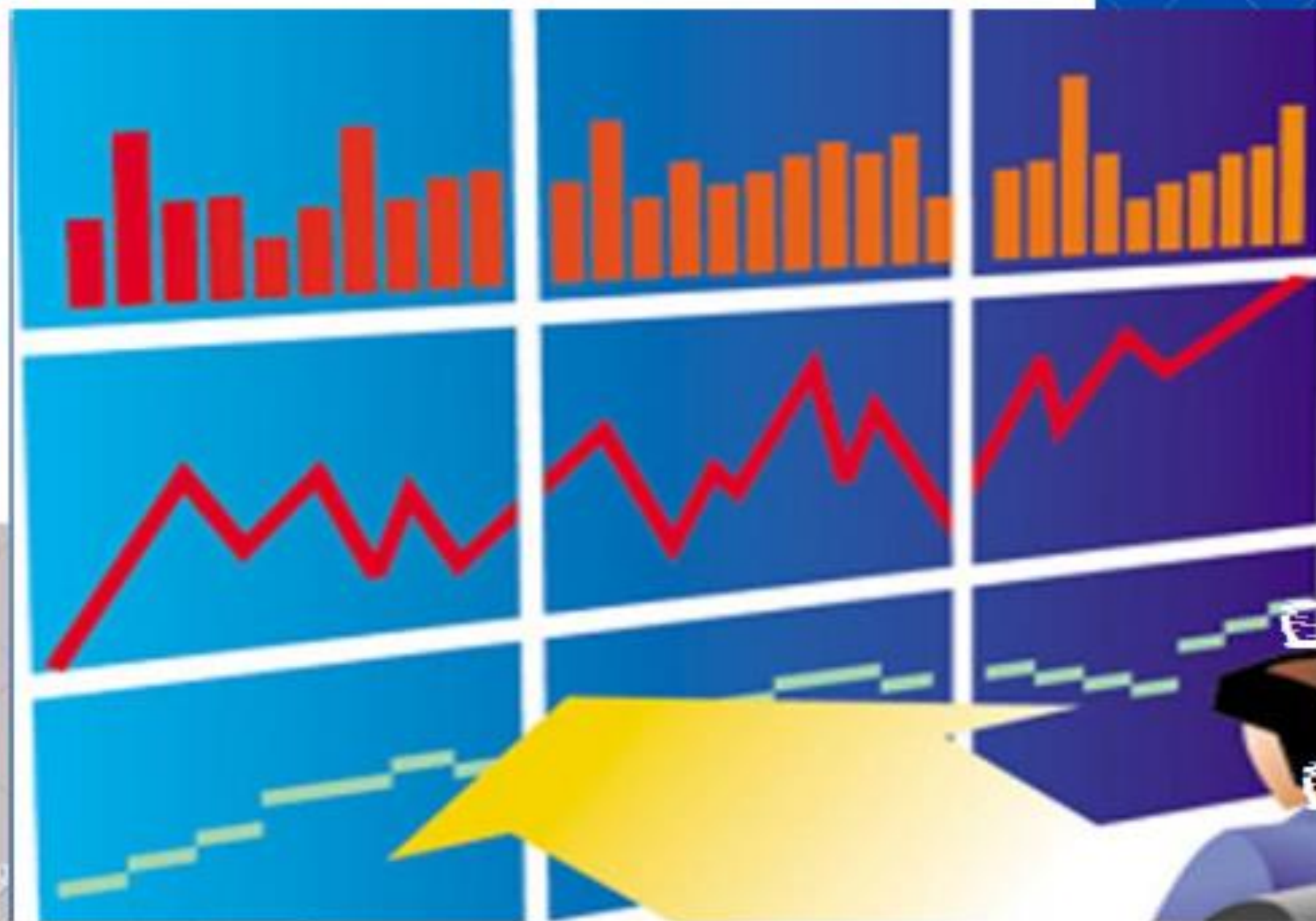HIS/CRS Any HIS or CRS Elective

MTH 103 Intermediate Algebra

MTH OPEN Any Other Math Course

CIS 106/113 Fundamentals of Computers and Platforms OR Intermediate Information Technology

COLL 101 College Seminar

PROFESSIONAL CORE

BUS OPEN 15 CREDITS OF BUS OPEN ELECTIVES
CIS 120 BUSINESS INFORMATION SYSTEMS
CIS 125 PRINCIPLES OF PROGRAMMING I
CIS 130 SYSTEMS ANALYSIS AND DESIGN
CIS 135 INTRODUCTION TO DATABASE DESIGN USING SQL CIS 284 GUI PROGRAMMING
CIS 286 OR 288 WWW INTERACTIVE PROGRAMMING OR APPLICATION DEVELOPMENT
MIS 290 MIS PROJECT

MANAGEMENT INFORMATION SYSTEMS

DEPARTMENT HIGHLIGHTS

DEPARTMENT ENROLLMENT STATISTICS

TOTAL :: 105 STUDENTS

FIRST YEARS --> 52

SECOND YEARS --> 53

INCOMING --> 73

30 Graduates - May 2024

Males vs Females

78 vs 27

90% females have 3.00 GPA or higher

7 students with 4.00 GPA

DEVELOPING TECHNOLOGICAL MINDS

Love + technology candids

INSTITUTIONAL CONTACTS

If you have any comments or queries. Feel free to contact us!

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ST. JOHN'S COLLEGE

MEN AND WOMEN FOR AND WITH OTHERS

THANK YOU!!

DEVELOPING INNOVATIVE MINDS FOR THE FUTURE

ST. JOHN'S COLLEGE
BELIZE