



COMPUTER SCIENCE

SJCJC

INNOVATING MINDS FROM ZEROS TO ONES



RAPID EVOLUTION OF TECHNOLOGY

Our Mission

Encouraging the growth of creative minds

The Computer Science Department aims to train students to keep abreast and knowledgeable in the latest trends in computer networking, application development and hardware technologies in pursuit of higher education and mobility in the work force.



Innovative minds are designed with the right models



STACY SUTHERLAND
Academic Chair, Computer Science
Department



HILARIO ROBATEAU
Computer Science Lecturer



YUPEI LIN
Computer Science Lecturer

Our Lecturers, Mentors and Advisors

Each with technology degrees and over 15 years of teaching experience



WHY STUDY COMPUTER SCIENCE?

INNOVATION

CREATIVITY

LUCRATIVE

IMPROVING LIVES WITH TECHNOLOGY

ANALYTICAL



EVOLVING TRENDS

UBIQUITOUS AND COLLABORATIVE

OPPORTUNISTIC



MAJORS FOR THE FUTURE



COMPUTER SCIENCE



COMPUTER INFORMATION SYSTEMS



COMPUTER NETWORKING



INFORMATION TECHNOLOGY



MANAGEMENT INFORMATION SYSTEMS



COMPUTER SCIENCE

Canva

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/ERS ANY HIS OR ERS ELECTIVE
 MTH 105 INTERMEDIATE ALGEBRA
 MTH 115 COLLEGE ALGEBRA
 CIS 106 FUNDAMENTALS OF COMPUTERS AND
 PLATFORMS
 COLL 101 COLLEGE SEMINAR

COMPUTER SCIENCE
77 CREDITS

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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 REACTIVE PROGRAMMING
CIS290 CIS PROJECT
ENT125 INTRODUCTION TO NETWORKING
MTH119 TRIGONOMETRY MTH145 CALCULUS I
PHY116 CLASSICAL MECHANICS FOR SCIENTISTS AND ENGINEERS
PHY116L CLASSICAL MECHANICS FOR SCIENTISTS AND
ENGINEERS LAB
PHY116R CLASSICAL MECHANICS FOR SCIENTISTS AND
ENGINEERS RECITATION

COMPUTER SCIENCE

anva

COMPUTER INFORMATION SYSTEMS

Canva

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

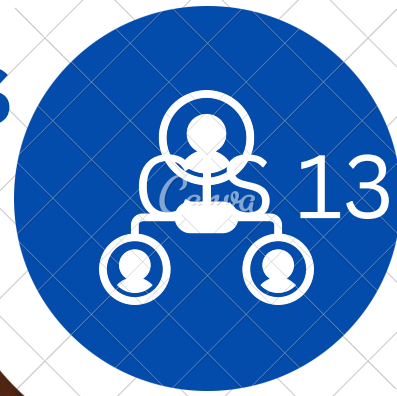
CIS 106 Fundamentals of Computers and Platforms

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

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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
- ENT 125 INTRODUCTION TO NETWORKING
- ENT 135 INTERMEDIATE NETWORKING
- ENT 225 ROUTING AND SWITCHING
- ENT 235 NETWORK DESIGN AND SUPPORT
- ENT 250 SERVER MANAGEMENT
- ENT 290 COMPUTER NETWORKING PROJECT

COMPUTER NETWORKING

INFORMATION TECHNOLOGY

Canva

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 pursue 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



135

- 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

Canva

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

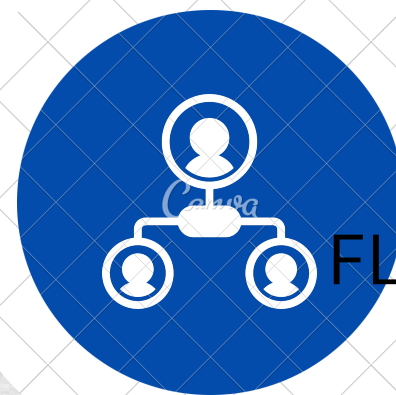
MTH 103 Intermediate Algebra

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 IS 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

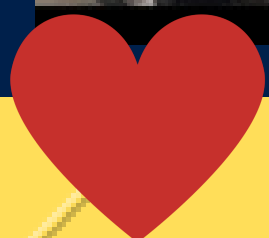
CIS 286 OR 288 WWW INTERACTIVE
PROGRAMMING OR APPLICATION

DEVELOPMENT

MIS 290 MIS PROJECT

MANAGEMENT INFORMATION SYSTEMS

DEVELOPING TECHNOLOGICAL MINDS



Love + technology candid

FORTINET

NSE Certification Program



This certifies that
Dario Hernandez
has achieved
NSE 3 Network Security Associate

Date of achievement: April 28, 2023

Valid until: April 28, 2025

Certification Validation number: Ha0AkL1XJW

Ken Xie
CEO of Fortinet

Michael Xie
President and Chief Technology Officer (CTO), Fortinet



Verify this certification's authenticity at:
https://training.fortinet.com/mod/customcert/verify_certificate.php

INSTITUTIONAL CONTACTS

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



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MEN AND WOMEN FOR AND WITH OTHERS

THANK YOU!!

DEVELOPING FASTER MINDS FOR THE FUTURE

