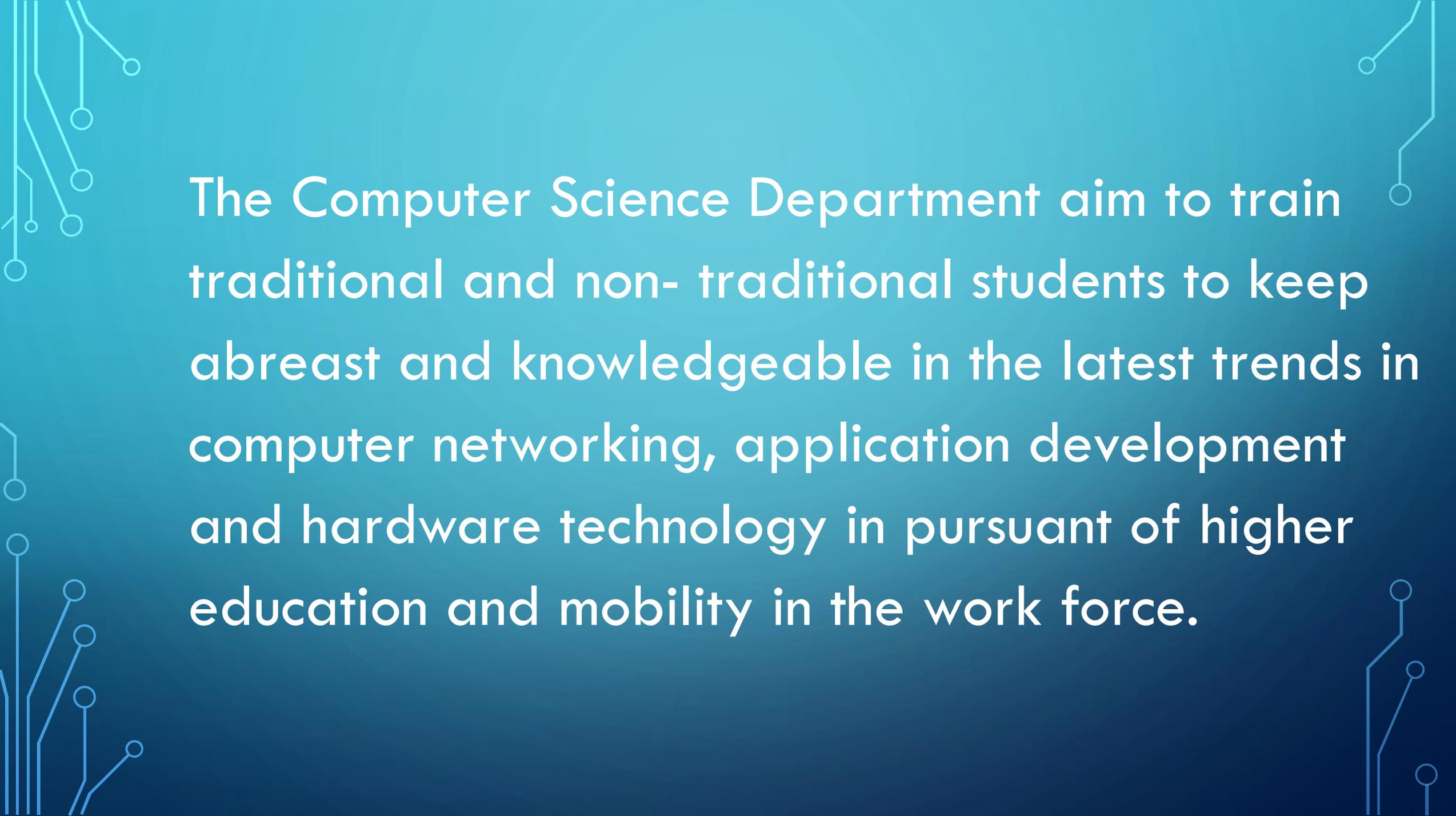




COMPUTER SCIENCE

DEPARTMENT

ST. JOHN'S COLLEGE JUNIOR COLLEGE

The image features a dark blue background with decorative light blue circuit-like lines in the corners. These lines consist of vertical and horizontal segments connected by small circles, resembling a network or data flow diagram. The main text is centered and written in a clean, white, sans-serif font.

The Computer Science Department aim to train traditional and non- traditional students to keep abreast and knowledgeable in the latest trends in computer networking, application development and hardware technology in pursuant of higher education and mobility in the work force.

FACULTY



STACY SUTHERLAND
Academic Chair, Computer Science
Department



HILARIO ROBATEAU
Computer Science Lecturer



YUPEI LIN
Computer Science Lecturer

WHY STUDY COMPUTER SCIENCE?

- Innovation
- Creativity
- Lucrative
- Improving lives with technology
- Evolving nature
- Ubiquitous and collaborative
- Opportunistic

5 MAJORS

- Computer Science
- Computer Information Systems
- Computer Networking
- Information Technology
- Management Information Systems

COMPUTER SCIENCE MAJORS

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 compute engineers (developers of software and hardware). Some career options include:

- Database Administrator
- Computer programmer
- Systems engineer
- Software engineer
- Technology designer
- Systems Analyst

COMPUTER SCIENCE – 77 CREDITS

Humanities

- 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

Social Sciences

- SOC 121 Introduction to Research Methods
- HIS/CRS Any HIS or CRS Elective

Mathematics

- MTH 105 Intermediate Algebra
- MTH 115 College Algebra

Computer Science

- CIS 106 Fundamentals of Computers and Platforms

Other

- COLL 101 College Seminar

General Core

COMPUTER SCIENCE – 77 CREDITS

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 286 WWW Interactive Programming

CIS 290 CIS Project

CNT 125 Introduction to Networking

MTH 119 Trigonometry

MTH 145 Calculus I

PHY 116 Classical Mechanics for Scientists and Engineers

PHY 116L Classical Mechanics for Scientists and Engineers LAB

PHY 116R Classical Mechanics for Scientists and Engineers Recitation

Professional Core

COMPUTER INFORMATION SYSTEMS MAJORS

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 include:

- Computer Support specialist
- Systems Administrator
- Database Administrator
- Web Developer
- Mobile Applications developer
- Game Developer

COMPUTER INFORMATION SYSTEMS – 73 CREDITS

Humanities

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

Social Sciences

SOC 121 Introduction to Research Methods
HIS/CRS Any HIS or CRS Elective

Mathematics

MTH 103 Intermediate Algebra
MTH OPEN Any Other Math Course

Computer Science

CIS 106 Fundamentals of Computers and Platforms

Other

COLL 101 College Seminar

General Core

COMPUTER INFORMATION SYSTEMS – 73 CREDITS

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

Professional Core

COMPUTER NETWORKING MAJORS

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 include:

- Network Technician
- Network Administrator
- Data security analyst/specialist
- Systems Administrator
- Technical support

COMPUTER NETWORKING – 73 CREDITS

Humanities

- 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

Social Sciences

- SOC 121 Introduction to Research Methods
- HIS/CRS Any HIS or CRS Elective

Mathematics

- MTH 103 Intermediate Algebra
- MTH OPEN Any Other Math Course

Computer Science

- CIS 106 Fundamentals of Computers and Platforms

Other

- COLL 101 College Seminar

General Core

COMPUTER NETWORKING – 73 CREDITS

- 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

Professional Core

INFORMATION TECHNOLOGY MAJORS

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.

- Computer Systems Analyst
- Computer support specialist
- Systems Administrator
- Database Administrator
- Applications engineer
- Website designer

INFORMATION TECHNOLOGY – 73 CREDITS

Humanities

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

Social Sciences

SOC 121 Introduction to Research Methods

HIS/CRS Any HIS or CRS Elective

Mathematics

MTH 103 Intermediate Algebra

MTH OPEN Any Other Math Course

Computer Science

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

Other

COLL 101 College Seminar

General Core

INFORMATION TECHNOLOGY – 73 CREDITS

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

Professional Core

MANAGEMENT INFORMATION SYSTEMS MAJORS

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.

- Business Database coordinator
- Virtual marketer
- Computer maintenance officer
- Accountants and finance analysts
- Business technology manager

MANAGEMENT INFORMATION SYSTEMS – 73 CREDITS

Humanities

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

Social Sciences

SOC 121 Introduction to Research Methods
HIS/CRS Any HIS or CRS Elective

Mathematics

MTH 103 Intermediate Algebra
MTH OPEN Any Other Math Course

Computer Science

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

Other

COLL 101 College Seminar

General Core

MANAGEMENT INFORMATION SYSTEMS – 73 CREDITS

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

Professional Core

IMPORTANT DATES TO REMEMBER

EVENTS	DATES
Online Zoom Meeting	May 9 Session 1 at 9 a.m. Session 2 at 10:30 a.m.
Request for change of program	May 18 - 20
Confirmation Deadline	May 18 - 29
Submission of CERTIFIED copy of High School Diploma	June - July
New Student Orientation & Registration	June 10 or 23
Payment Deadline	June 30
Classes Begin	August 10

The background is a dark blue gradient. In the corners, there are white line-art illustrations of circuit boards or neural networks, consisting of lines and small circles.

QUESTIONS & ANSWERS