

## Associate of Science in Computer Information Technology – 2149A Data Management & Analysis

CAREER PATHWAY: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM)

#### Location(s): Courses for this program are offered at all BC locations.

#### Program Entrance Requirements: HS Diploma or GED

**Program Description:** The Computer Information Technology – Data management & Analysis Associate in Science degree exposes students to applications programming, networking, systems administration, database management, information security, project management and web development. It is designed for students seeking the skills set needed to be successful in their careers in the field of information technology. Visit the program's <u>website</u> for more information.

### **BUILD YOUR EDUCATION**

	ation Technolo pecialist (TC1)		Computer Information (TC2) 6360 Technology AS 2149	Bachelor of Ap Science	oplied	
Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
	Term 1	ISM1000C <u>OR</u> GE Course	STEM IT Skills and Competencies <u>OR</u> General Education Speech	3		
Term 1		COP1700C	Introduction to Database Design & MySQL	3		х
	Term 2	COP2071C ENC1101	SQL Fundamentals Composition I	4 3		х
_	Term 3	CGS1510C STA2023	Excel Data Analysis Statistics	3 3		x x
Term 2	Term 4	CTS1133C CIS1513C	A+ Comprehensive Project Management and Project+	4 4	X X	
T	Term 5	CTS1134C ISM3013C	Network+ Information Systems Management	4 3	х	
Term 3	Term 6	CAP2760C COP1000C	Intro to Data Analytics Introduction to Programming	3 3	х	х
Term 4	Term 7	ISM2410C ISM3139C	Analyzing and Visualizing Data with Power Bl Advanced Data Visualization with Excel	4 4		х
	Term 8	EVR1001 PHI2010 <u>OR</u> THE2000	Environmental Science (Recommended) Introduction to Philosophy <u>OR</u> Theatre Appreciation (Recommended)	3		
Term 5	Term 9	ECO2013 <u>OR</u> POS2041	Principles of Macroeconomics (Recommended) <u>OR</u> National Government	3		
	Total Prog	Elective am Credit Hours	Math OR Internship OR IT Elective#	3 60	x 18	20

**Notes:** Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. Students should complete all Core Computing Requirements before completing specialization courses. # - Any course with a computing prefix. E – identifies an elective course for the certificate, any IT course can be used to fulfill this requirement. MAC1105C is a 5-credit course. Students who register for this course must see an advisor to discuss their academic plan.

\*This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor each term before selecting classes to create a personalized educational plan

**CHOOSE YOUR COURSES** 

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## **CREDIT FOR PRIOR LEARNING**

Accelerate your path to completion with these options:

- Credit by exam
- Earned industry certifications
- Prior Learning Assessment
- And much more...

## **RELATED INDUSTRY CERTIFICATIONS**



Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses:

- CompTIA A+
- CompTIA Network+
- CIW Database Design
- CIW Data Analyst
- CompTIA Project+
- Microsoft MCSA BI Reporting



### GET AN INTERNSHIP

Completion of the degree requires PSC4911 (Senior Research) or PSC4948 (Senior Internship) for Physical Science concentration. After completing your first year of coursework make sure to visit the Career Center for internship opportunities that help you take your career to the next level!

Get an Internship

Virtual Job Shadow Tool



# MEDIAN WAGE AND JOB GROWTH OUTLOOK

Broward College has <u>Career Coach</u> & the <u>Career Ladders</u>. These tools are designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training. Learn how to climb your career ladder!



### FUND YOUR EDUCATION

This Program is <u>Financial Aid</u> eligible. <u>Scholarships</u> may be available. This program is part of the <u>Career Source Broward ITA List</u>

### **GET STARTED TODAY!**

START APPLICATION



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### Associate of Science in Computer Information Technology – 2149B Information Technology

CAREER PATHWAY: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM)

**Location(s):** <u>Courses for this program are offered at all BC locations.</u> Program specific courses may vary by Campus. Please consult the course schedule semester for locations.

#### Program Entrance Requirements: HS Diploma or GED

**Program Description:** The Computer Information Technology- Information Technology Associate in Science degree exposes students to applications programming, networking, systems administration, database management, information security, project management and web development. It is designed for students seeking the skills set needed to be successful in their careers in the field of information technology. Visit the program's <u>website</u> for more information.

### **BUILD YOUR EDUCATION**

	ation Technolc pecialist (TC1)		on Technology t (TC3) 6338 Computer Information Technology AS 2149			
Full Time	Part Time	Course ID	Description	Credits	TC1	TC3
	Term 1	ISM1000C <u>OR</u> GE Course	STEM IT Skills and Competencies OR General Education Speech	3		
Term 1		COP1000C	Introduction to Programming	3	Х	Х
	Term 2	ENC1101 CTS1133C	Composition I A+ Comprehensive	3 x   3 x   4 x   4 x   3 x   4 x   3 x   4 x   3 x   4 x   3 x   4 x   3 x   4 x   3 x   x x   x	х	
	Term 3	CTS1134C CTS2375C	Network+ Cloud+	-	х	х
Term 2	Term 4	CIS1513C GE Course	Project Management and Project+ General Education Math*		Х	х
Term 3	Term 5	CTS1111C PHI2010 <u>OR</u> THE2000	Linux+ Introduction to Philosophy <u>OR</u> Theatre Appreciation (Recommended)	-		
	Term 6	COP1700C CTS2120C	Introduction to Database Design & MySQL Security+		TC1 X X X X	Х
Term 4	Term 7	CTS2376C CTS2377C	Microsoft 365 Identity & Services Microsoft 365 Mobility & Security	-		x x
		EVR1001	Environmental Science (Recommended)	3		
	Term 8	ECO2013 <u>OR</u> POS2041	ECO2013 OR Principles of Macroeconomics	3		
Term 5	Term 9	ELECTIVE ISM3013C	Math <u>OR</u> Internship <u>OR</u> IT Elective # Information Systems Management	3 3	х	х
	Total Prog	am Credit Hours	· · · · · · · · · · · · · · · · · · ·	60	18	27

**Notes:** Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. Students should complete all Core Computing Requirements before completing specialization courses. \*MAC1105C is a 5-credit course. Students who register for this course must see an advisor to discuss their academic plan. # - Any course with a computing prefix. E – identifies an elective course for the certificate, any IT course can be used to fulfill this requirement.

#### These are only <u>recommended</u> course sequences.

Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

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### **ROGRAM HIGHLIGHTS**



# **CREDIT FOR PRIOR LEARNING**

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- Earned industry certifications
- Prior Learning Assessment
- And much more...

# RELATED INDUSTRY CERTIFICATIONS

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- CompTIA A+
- CompTIA Network+
- CIW Database Design
- CIW Data Analyst
- CompTIA Project+
- Microsoft MCSA BI Reporting



# GET AN INTERNSHIP

Completion of the degree requires PSC4911 (Senior Research) or PSC4948 (Senior Internship) for Physical Science concentration. After completing your first year of coursework make sure to visit the Career Center for internship opportunities that help you take your career to the next level!

#### Get an Internship

**Virtual Job Shadow Tool** 



### MEDIAN WAGE AND JOB GROWTH OUTLOOK

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Associate of Science in Computer Information Technology - 2149D Geographic Information Systems

CAREER PATHWAY: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM)

Location(s): Courses for this program are offered at all BC locations. Program specific courses may vary by Campus. Please consult the course schedule semester for locations.

#### Program Entrance Requirements: HS Diploma or GED

Program Description: The Computer Information Technology- Information Technology Associate in Science degree exposes students to applications programming, networking, systems administration, database management, information security, project management and web development. It is designed for students seeking the skills set needed to be successful in their careers in the field of information technology. Visit the program's website for more information.

### **BUILD YOUR EDUCATION**

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Full Time	Part Time	Course ID	Description	Credits	TC1	TC4
Term 1	Term 1	ISM1000C <u>OR</u> GE Course COP1000C	STEM IT Skills and Competencies <u>OR</u> General Education Speech Introduction to Programming	3	х	
	Term 2	ENC1101 CTS1133C	Composition I A+ Comprehensive	3 4	Х	
	Term 3	CGS1510C CTS1134C	Excel Data Analysis Network+	3 4	х	Х
Term 2	Term 4	GIS1000 GE Course	Mapping General Education Math*	3 3		Х
Term 3	Term 5	GIS1040C PHI2010 <u>OR</u> THE2000	Introduction to GIS I Introduction to Philosophy <u>OR</u> Theatre Appreciation (Recommended)	3 3		х
	Term 6	CIS1513C COP1700C	Project Management and Project+ Introduction to Database Design & MySQL	4 3	Х	x
Tern 4	Term 7	GIS1042C EVR1001	Introduction to GIS II Environmental Science (Recommended)	3 3		х
	Term 8	GIS1030 ECO2013 <u>OR</u> POS2041	Remote Sensing Applications Principles of Macroeconomics (Recommended <u>OR</u> National Government	3 <sup>1)</sup> 3		
Term 5	Term 9	GIS1047C ELECTIVE ISM3013C	Applications for GIS Math <u>OR</u> Internship <u>OR</u> IT Elective # Information Systems Management	3 3 3	х	x
	Total Prog	ram Credit Hours		60	18	21

#### Total Program Credit Hours

**Notes:** Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. Students should complete all Core Computing Requirements before completing specialization courses. \*MAC1105C is a 5-credit course. Students who register for this course must see an advisor to discuss their academic plan. # - Any course with a computing prefix. E - identifies an elective course for the certificate, any IT course can be used to fulfill this requirement.

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# PROGRAM HIGHLIGHTS



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# RELATED INDUSTRY CERTIFICATIONS

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- CompTIA A+
- CompTIA Network+

- CIW Data Analyst
- CIW Database Design



# GET AN INTERNSHIP

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# Associate of Science in Computer Information Technology – 2149F Entrepreneurship

CAREER PATHWAY: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM)

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**Program Description:** The Computer Information Technology- Information Technology Associate in Science degree exposes students to applications programming, networking, systems administration, database management, information security, project management and web development. It is designed for students seeking the skills set needed to be successful in their careers in the field of information technology. Visit the program's <u>website</u> for more information.

### **BUILD YOUR EDUCATION**

Full Time	Part Time	Course ID	Description	Credits	TC1	TC5
Term 1	Term 1	ISM1000C <u>OR</u> GE Course COP1000C	STEM IT Skills and Competencies <u>OR</u> General Education Speech Introduction to Programming	3	x	
	Term 2	ENC1101 CTS1133C	Composition I A+ Comprehensive	3 4	x	
Torm 2	Term 3	CGS1510C CTS1134C	Excel Data Analysis Network+	3 4	х	
Term 2	Term 4	CIS1513C GE Course	Project Management and Project + General Education Math*	4 3	х	
	Term 5	APA1111C PHI2010 <u>OR</u> THE2000	Introduction to Accounting Introduction to Philosophy <u>OR</u> Theatre Appreciation (Recommended)	3 3		х
Term 3	Term 6	GEB1011 COP1700C	Introduction to Business Introduction to Database Design & MySQL	3 3		х
	Term 7	MAR1011 EVR1001	Principles of Marketing Environmental Science (Recommended)	3 3		х
Term 4	Term 8	GEB2112 ECO2013 <u>OR</u> POS2041	Entrepreneurship Principles of Macroeconomics (Recommended) <u>OR</u> National Government	3 3		Х
Term 5	Term 9	ISM3013C ELECTIVE CIS 2910C	Information Systems Management Math <u>OR</u> Internship <u>OR</u> IT Elective # Capstone	3 3 3 <b>60</b>	X	
	Total Program Credit Hours				18	12

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- CompTIA Project
- CIW Database Design



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