

## Information Technology Academy (IT Careers) Pathway to Graduation

### Course of Study Grade 10 -12 - Class of 2023 and Beyond (Current 9<sup>th</sup> and 10<sup>th</sup> Graders)

10 <sup>th</sup> Grade	Credit	11 <sup>th</sup> Grade	Credit	12 <sup>th</sup> Grade	Credit
IT English 10	1.0	IT English 11	1.0	IT English 12	1.0
IT Geometry	1.0	IT Algebra 2	1.0	IT Pre-Calculus	1.0
IT African American History	1.0	IT American History	1.0	IT Civics and Government	1.0
IT Biology	1.0	IT Chemistry	1.0	IT Physics	1.0
IT Spanish 1	1.0	IT Spanish 2	1.0	Art or Music	1.0
Principles of IT 1a and 1b +Robotics (Fall Semester)	0.5	<b>Applications Track*</b> Game Design 1a/1b <b>OR</b> Network Security Fundamentals 1a/1b	1.0	<b>Applications Track</b> Game Design 2a/2b <u>Industry Cert</u> <b>OR</b> Network Security Fundamentals 2a/2b <u>Industry Cert</u>	1.0
Introduction to Programming 1a 1b +Robotics (Spring Semester)	0.5	<b>Programming Track*</b> Programming 2a/2b <u>Leads to Industry Cert</u>	1.0	<b>Programming Track*</b> Programming 3a/3b <u>Industry Cert</u>	1.0
Read 180	1.0	Art or Music Health	0.5 0.5	Physical Education Add'l Arts/Humanities	0.5 0.5
Total Credits	7.0	Total Credits	7.0	Total Credits	7.0

**\* Students select either the Applications Track or the Programming Track at end of Grade 10**

#### **Certification Testing Available to Class of 2023**

##### *Game/Animation Certifications*

ICT Gaming Essentials

NOCTI Visual Communications/Interactive Media Design (Job Ready)

##### *Network Security Certifications*

Network +

Comp TIA Security

MTA Security

##### *Programming Certifications*

ICT Programming and Logic

NOCTI Computer Programmer (Job Ready Assessment)

##### *Microsoft Certifications*

MOS Exam 77-725: Word 2016

MOS Exam 77-727: Excel 2016

MOS Exam 77-729: Powerpoint 2016

MOS Exam 77-730: Access 2016

MOS Exam 77-731: Outlook

*(MOS - Microsoft Office Specialist)*

## Information Technology Academy (IT Careers) Pathway to Graduation

### Course of Study Grade 10 -12 - Class of 2022 (Current Grade 11)

10 <sup>th</sup> Grade	Credit	11 <sup>th</sup> Grade	Credit	12 <sup>th</sup> Grade	Credit
IT English 10	1.0	IT English 11	1.0	IT English 12	1.0
IT Geometry	1.0	IT Algebra 2	1.0	IT Pre-Calculus	1.0
IT African American History	1.0	IT American History	1.0	IT Civics and Government	1.0
IT Biology	1.0	IT Chemistry	1.0	IT Physics	1.0
IT Spanish 1	1.0	IT Spanish 2	1.0	Art or Music	1.0
Principles of IT 1a and 1b (Fall Semester)	0.5	Programming 1a and 1b + Robotics	1.0	<b>Applications Track*</b> Game Design 1a/1b <b>OR</b> Network Security Fundamentals 1a/1b	1.0
Introduction to Programming 1a 1b (Spring Semester)	0.5			<b>Programming Track*</b> Programming 2a/2b <u>Leads to Industry Cert</u>	1.0
Read 180	1.0	Art or Music Health	0.5 0.5	Physical Education Add'l Arts/Humanities	0.5 0.5
Total Credits	7.0	Total Credits	7.0	Total Credits	7.0

**\* Students select either the Applications Track or the Programming Track at end of Grade 11**

#### **Certification Testing Available to Class of 2022**

##### *Game/Animation Certifications*

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