

**2011-2012
Career and Technical Education
Information Technology Courses**

For up-to-date Bright Futures and State University System course eligibility information, go to:
www.floridastudentfinancialaid.org/SSFAD/bf/acadrequire.htm

For up-to-date NCAA Clearinghouse course eligibility information, go to:
https://web1.ncaa.org/eligibilitycenter/student/index_student.html

The first seven digits of any course number listed below are determined by the Florida Department of Education. The 8th digit of any course number listed below is issued only by BCPS to meet the scheduling needs of our district.

Program Title: Business Computer Programming
Course Title: ~~CORE: Computing for College and Careers~~
OR (Introduction to Information Technology, see below)
Course Number: ~~82090200~~
Credit: ~~1.00~~
Grade Level: ~~9-12~~

Major Concepts/Content

~~This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.~~

~~PRE REQUISITE: None~~

~~SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.~~

General Course Information:

| | YES | NO | Other |
|---|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR-24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level — 1= below grade level; — 2= at grade level; — 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

| | | | |
|---|--|---|--|
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre-IB (1 quality point) | | X | |
| — Pre-AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18-credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
 OR (~~Computing for College and Careers, see above~~)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 1

Course Number: 82060100

Credit: 1.00

Grade Level: 10-12

Major Concepts/Content

This course introduces computer-programming concepts for business applications using Visual Basic. The content includes basic information processing and computer functions; operating systems, environments, and hardware platforms; programming techniques and concepts; and basic financial business concepts. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 2
Course Number: 82060200
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course continues the study of computer programming concepts for business applications. The content includes information processing and computer functions; operating systems; programming techniques and concepts for sequential, indexed sequential, random, and direct files; and the integrated nature of corporate systems. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: Students must have previously completed, or be concurrently enrolled in, Business Computer Programming 1.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point. ** *For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.*

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 3
Course Number: 82060300
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the study of computer programming concepts for business applications. The content includes interfaces for systems integration, software quality assurance, and advanced programming techniques and concepts. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Business Computer Programming 2.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 4
Course Number: 82060400
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the study of computer programming concepts for business applications. The content includes client/server environments, interactive programming, and vendor application programming. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: Students must have previously completed, or be concurrently enrolled in, **Business Computer Programming 3**.

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 5

Course Number: 82060500

Credit: 1.00

Grade Level: 12

Major Concepts/Content

This course continues the study of computer programming concepts for business applications and is designed for students to learn a second business programming language such as Visual C++ or Java. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Business Computer Programming 4.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 6
Course Number: 82060600
Credit: 1.00
Grade Level: 12

Major Concepts/Content

This course continues the study of computer programming concepts for business applications using a second business programming language. The content includes an increasing refinement of skill reflecting increasingly greater complexity. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: Students must have previously completed, or be concurrently enrolled in, Business Computer Programming 5.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Business Computer Programming 7

Course Number: 82060700

Credit: 1.00

Grade Level: 12

Major Concepts/Content

This course continues the study of computer programming concepts for business applications using a second business programming language. The content includes client/server environments, interactive programming, and vendor application programming. Activities utilized will reflect increasingly greater complexity with increasing refinement of skill. This course is part of the **Business Computer Programming** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Business Computer Programming 6.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Database And Programming Essentials
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**

PRE REQUISITE: None

SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program

General Course Information:

| | YES | NO | Other |
|---|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1= below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (Computing for College and Careers, see above)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: This is equivalent to Computing for College and Careers

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Database Fundamentals
Course Number: 82064100
Credit: 0.50
Grade Level: 11-12

Major Concepts/Content

This course provides the foundation for database development, data modeling, relational database concepts, and database design and normalization. Students will implement and present a WebDB database project. This course is part of the **Academy of Database and Programming Essentials** program. Students enrolled in this course will receive honor points.

PRE REQUISITE: Students should have previously completed, or be concurrently enrolled in Computing for College and Careers.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Data Control and Functions

Course Number: 82064200

Credit: 0.50

Grade Level: 11-12

Major Concepts/Content

This course offers students an extensive introduction to data-server technology. The content includes the creation and maintenance of data objects and storage, retrieval, and manipulation of data using Structured Query Language (SQL) programming language. Students will be prepared to take the Introduction to Oracle: SQL certification exam upon completion of this course. This course is part of the **Academy of Database and Programming Essentials** program. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Database Fundamentals.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

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Course Title: Specialized Programming

Course Number: 82064300

Credit: 0.50

Grade Level: 11-12

Major Concepts/Content

This course teaches the basics of object-oriented programming using the Java programming language and focuses on practical object-oriented principles, syntax, and command line statements. Students will learn how to develop Java applications, applets, and user interface components using command line prompts and the Java Development Kit and learn how to use the graphical capabilities of Oracle J Developer. This course is part of the **Academy of Database and Programming Essentials** program. Students enrolled in this course will receive honor points.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Specialized Database Applications

Course Number: 82064400

Credit: 0.50

Grade Level: 11-12

Major Concepts/Content

This course continues the study of the Java programming language and prepares students for taking the “Sun Certified Programmer for Java 2” certification exam. Students will learn how to develop Java database applications and applets using JDeveloper and introduces students to JDBC database functionality within client-side and database forms within Java applications. This course is part of the **Academy of Database and Programming Essentials** program.

PRE REQUISITE: Students must have previously completed Data Control and Functions AND Database Fundamentals. Students should have previously completed, or be concurrently enrolled in, Specialized Programming.

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS “Core” Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Game/Simulation/Animation Audio/Video Effects
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)

Course Number: 82090200

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**

PRE REQUISITE: None

SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1= below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (~~Computing for College and Careers, see above~~)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers. This course is RECOMMENDED but not required for this program. This course is not considered in the course progression calculation for Gold Seal, in this program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Foundations
Course Number: 82081100
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities using an entry-level game development tool such as Game Maker or Alice should be integrated into the curriculum.

PRE REQUISITE: None

SPECIAL NOTE: *This course is part of the Game/Simulation/Animation Audio/Video Effects Program, the Game/Simulation/Animation Programming Program, and the Game/Simulation/Animation Visual Design Program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Design

Course Number: 82081200

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Extensive use is made of evaluating and analyzing existing games or simulations. Hands-on activities using an entry-level game development tool such as Game Maker or Alice should be integrated into the curriculum.

PRE REQUISITE: Game & Simulation Foundations

SPECIAL NOTE: This course is part of the Game/Simulation/Animation Audio/Video Effects Program, the Game/Simulation/Animation Programming Program, and the Game/Simulation/Animation Visual Design Program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Audio/Sound Effects

Course Number: 82082300

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course is focused on students acquiring skills in designing, producing, editing, and integrating audio and sound effects into a game or simulation application.

PRE REQUISITE: Game & Simulation Design

SPECIAL NOTE: This course is part of the Game/Simulation/Animation Audio/Video Effects Program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Video/Special Effects

Course Number: 82082400

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course is focused on students acquiring skills in designing, producing, editing, and integrating video and special effects into a game or simulation application.

PRE REQUISITE: *Game & Simulation Audio/Sound Effects*

SPECIAL NOTE: *This course is part of the Game/Simulation/Animation Audio/Video Effects Program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Game/Simulation/Animation Programming
Course Title: ~~CORE: Computing for College and Careers~~
OR (Introduction to Information Technology, see below)

Course Number: ~~82090200~~

Credit: ~~1.00~~

Grade Level: ~~9-12~~

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the ~~Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.~~

PRE REQUISITE: ~~None~~

SPECIAL NOTE: ~~Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.~~

General Course Information:

| | YES | NO | Other |
|---|-----|----|------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR-24 CREDIT OPTION ONLY** |
| State University System (SUS) | X | X | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1=below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points) * | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (Computing for College and Careers, see above)
Course Number: 82073100
Credit: 1.00
Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers. This course is RECOMMENDED but not required for this program. This course is not considered in the course progression calculation for Gold Seal, in this program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Foundations
Course Number: 82081100
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities using an entry-level game development tool such as Game Maker or Alice should be integrated into the curriculum.

PRE REQUISITE: None

SPECIAL NOTE: This course is part of the Game/Simulation/Animation Audio/Video Effects Program, the Game/Simulation/Animation Programming Program, and the Game/Simulation/Animation Visual Design Program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Design

Course Number: 82081200

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Extensive use is made of evaluating and analyzing existing games or simulations. Hands-on activities using an entry-level game development tool such as Game Maker or Alice should be integrated into the curriculum.

PRE REQUISITE: Game & Simulation Foundations

SPECIAL NOTE: This course is part of the Game/Simulation/Animation Audio/Video Effects Program, the Game/Simulation/Animation Programming Program, and the Game/Simulation/Animation Visual Design Program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game/Simulation Programming
Course Number: 82083300
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, memory management, score-keeping, timed event strategies and methodologies, and implementation issues.

PRE REQUISITE: *Game & Simulation Design*

SPECIAL NOTE: *This course is part of the Game/Simulation/Animation Programming Program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Multi-User Game/Simulation Programming
Course Number: 82083400
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, score-keeping, timed event strategies and methodologies, and implementation issues specific to multi-user game/simulation products.

PRE REQUISITE: *Game / Simulation Programming*

SPECIAL NOTE: *This course is part of the Game/Simulation/Animation Programming Program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Game/Simulation/Animation Visual Design
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**

PRE REQUISITE: None

SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.

General Course Information:

| | YES | NO | Other |
|---|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1=below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (Computing for College and Careers, see above)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers. This course is RECOMMENDED but not required for this program. This course is not considered in the course progression calculation for Gold Seal, in this program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Foundations
Course Number: 82081100
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities using an entry-level game development tool such as Game Maker or Alice should be integrated into the curriculum.

PRE REQUISITE: None

SPECIAL NOTE: *This course is part of the Game/Simulation/Animation Audio/Video Effects Program, the Game/Simulation/Animation Programming Program, and the Game/Simulation/Animation Visual Design Program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation Design

Course Number: 82081200

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Extensive use is made of evaluating and analyzing existing games or simulations. Hands-on activities using an entry-level game development tool such as Game Maker or Alice should be integrated into the curriculum.

PRE REQUISITE: Game & Simulation Foundations

SPECIAL NOTE: This course is part of the Game/Simulation/Animation Audio/Video Effects Program, the Game/Simulation/Animation Programming Program, and the Game/Simulation/Animation Visual Design Program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation 2D Graphic Development
Course Number: 82081300
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is focused on students acquiring skills to create, refine, and integrate realistic 2D graphics into a game or simulation product. Students will essentially learn how to use a graphic software package, file maintenance strategies, and migration techniques and issues.

PRE REQUISITE: *Game & Simulation Design*

SPECIAL NOTE: *This course is part of the Game/Simulation/Animation Visual Design Program.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Game & Simulation 3D Graphic Animation
Course Number: 82081400
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course is focused on students acquiring skills to create, refine, and integrate realistic 3D graphics into a game or simulation product. Students will essentially learn how to use a 3D animation software package, file maintenance conventions, and migration techniques and issues.

PRE REQUISITE: Game & Simulation 2D Graphic Development **SPECIAL NOTE:** This course is part of the Game/Simulation/Animation Visual Design Program

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Information Technology Program
Course Title: CORE: Introduction to Information Technology (No substitute)
Course Number: 82073100
Credit: 1.00
Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: IT Programming/Database
Course Number: 82073200
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course introduces computer programming concepts for information technology applications using the gaming, artificial intelligence and programming languages and complex data structures. The content includes information technology career research; computer functions and programming techniques and concepts with an emphasis on the techniques needed to develop well documented, structured computer programs; and the creation and maintenance of database objects to store, retrieve, and manipulate data. This course is part of the **Information Technology** program.

PRE REQUISITE: *Students should have previously completed Introduction to IT.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: IT Technical Support/Networking

Course Number: 82030510

Credit: 1.00

Grade Level: 11-12

Major Concepts/Content

This course focuses on systems support, maintenance, and basic networking concepts. The content includes information technology career research; emphasis on the development of an understanding of various computer software and hardware applications including installation, troubleshooting, diagnostic techniques, and repair of components, operating systems, and application software; common safety and preventative maintenance procedures; basic networking including physical connectivity; and effective behaviors that contribute to customer satisfaction. This course is part of the **Information Technology** program.

PRE REQUISITE: IT Programming/Database.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: IT Internship
Course Number: 82073501
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course provides students with an opportunity to stimulate career interest and to demonstrate human relations, communications, and employability skills necessary for entry-level employment in the information technology industry. Students will enhance and apply instructional competencies learned in the classroom through the internship experience. This course is part of the **Information Technology** program.

PRE REQUISITE: *Introduction to Information Technology, IT Technical Support/Networking and IT Programming/Database.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: IT Web/Digital Media
Course Number: 82073600
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course focuses on digital media and advanced web design. The content includes information technology career research; advanced HTML, DHTML and SML commands and web page design; advanced web topics such as webscripting and web server administration; and basic multimedia applications including audio, video, graphics, text, and animation tools. This course is part of the **Information Technology** program.

PRE REQUISITE: *Introduction to Information Technology and IT Programming/ Database.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: **Multimedia Design Technology**
Course Title: ~~CORE: Computing for College and Careers~~
OR (Introduction to Information Technology, see below)
Course Number: ~~82090200~~
Credit: ~~1.00~~
Grade Level: ~~9-12~~

Major Concepts/Content

~~This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**~~

PRE REQUISITE: ~~None~~

SPECIAL NOTE: ~~Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.~~

General Course Information:

| | YES | NO | Other |
|---|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level — 1= below grade level; — 2= at grade level; — 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre-IB (1 quality point) | | X | |
| — Pre-AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points) * | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18-credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
 OR (~~Computing for College and Careers, see above~~)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Multimedia Foundations 1**
Course Number: **8212430**
Credit: **1.00**
Grade Level: **10-12**

Major Concepts/Content

This course is designed to provide a basic understanding of fundamentals of multimedia. Students learn to plan and create presentations that incorporate scanned images, and images created in various formats and mediums.

PREREQUISITE: *None*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 1
Course Number: 82071100
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course provides a basic overview of the Internet and an introduction to Web page design. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design with software commonly used in business such as Microsoft FrontPage. This course is part of the **Web Design** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Multimedia Foundations 2
Course Number: 8212440
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course is designed to provide a basic understanding of Web page layout and integration of video and animation into Web pages. Special emphasis is placed on good design, proper usage of typography and images for delivery on the Internet.

PRE REQUISITE: *Multimedia Foundations 1 and Web Design 1*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Multimedia Foundations 3
Course Number: 8212450
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course is designed to FURTHER provide a basic understanding of Web page layout and integration of video and animation into Web pages. Special emphasis is placed on good design, proper usage of typography and images for delivery on the Internet.

PRE REQUISITE: Multimedia Foundations 1, Web Design 1 and Multimedia Foundations 2

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | | X | |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Network Support Services
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**

PRE REQUISITE: None

SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1= below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (~~Computing for College and Careers, see above~~)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PREREQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Networking 1
Course Number: 82070200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course develops competencies needed for employment in network support careers using the Cisco Academy curriculum. The content includes instruction in computer literacy, basic hardware configuration, hardware and software troubleshooting, Windows NT operating system, and computer networking. This course is part of the **Network Support Services** and **Network Systems Administration** programs. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Networking 2-Infrastructure**
Course Number: **82070300**
Credit: **1.00**
Grade Level: **9-12**

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes troubleshooting and diagnostic techniques; network hardware devices, topographies, and standards; and e-mail and Internet activities. This course is part of the **Network Support Services** program. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 1.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Networking 3- Infrastructure**
Course Number: **82070400**
Credit: **1.00**
Grade Level: **10-12**

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes on-site and remote end user support and assistance, network transmission media, e-mail options and functions, and network administration tasks. This course is part of the **Network Support Services** program. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 2.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Networking 4- Infrastructure**
Course Number: **82070500**
Credit: **1.00**
Grade Level: **10-12**

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes installation of network server operating system and client software, network administrative tasks, e-mail server software, network security and troubleshooting, installation and configuration of software applications on file servers, training of end users, and Internet/Intranet publishing. This course is part of the **Network Support Services** program. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 3.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Networking 5
Course Number: 82070600
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes application of troubleshooting and diagnostic techniques to configuration, software, hardware, and network problems; procedures for management of records and maintenance; and proficiency in network management. This course is part of the **Network Support Services** and **Network Systems Administration** programs. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 4.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Networking 6
Course Number: 82070700
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes management and support techniques; remote access assistance to users; proficiency in installation, configuration and management of e-mail server software; network server operation systems; network management, and techniques for training users. This course is part of the **Network Support Services** and **Network Systems Administration** programs. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 5.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Network Systems Administration
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**

PRE REQUISITE: None

SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.

General Course Information:

| | YES | NO | Other |
|---|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1= below grade level; | | | |
| — 2= at grade level; | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points) * | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18-credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
 OR (~~Computing for College and Careers, see above~~)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Networking 1**
Course Number: **82070200**
Credit: **1.00**
Grade Level: **9-12**

Major Concepts/Content

This course develops competencies needed for employment in network support careers using the Cisco Academy curriculum. The content includes instruction in computer literacy, basic hardware configuration, hardware and software troubleshooting, Windows NT operating system, and computer networking. This course is part of the **Network Support Services** and **Network Systems Administration** programs. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Networking 2—Administration**
Course Number: **82074410**
Credit: **1.00**
Grade Level: **9-12**

Major Concepts/Content

This course is designed to provide individuals with the knowledge necessary to understand and identify the tasks involved in supporting operating system within a large networking environment. This course is part of the **Network Systems Administration** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 1.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Networking 3—Administration
Course Number: 82074420
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course continues the study of network support services. The content includes the planning, implementation, and management of server and client operating systems in a networking environment. This course is part of the Network Systems Administration program.

PRE REQUISITE: Students must have previously completed, Networking 1 and Networking 2--Administration.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Networking 4—Administration

Course Number: 82074430

Credit: 1.00

Grade Level: 9-12

Major Concepts/Content

This course continues the study of network support services. The content includes the planning, implementation, and management of server and client operating systems in a networking environment. This course is part of the **Network Systems Administration** program.

PRE REQUISITE: Students must have previously completed, Networking 1, Networking 2—Administration and Networking 3—Administration.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Networking 5
Course Number: 82070600
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes application of troubleshooting and diagnostic techniques to configuration, software, hardware, and network problems; procedures for management of records and maintenance; and proficiency in network management. This course is part of the **Network Support Services** and **Network Systems Administration** programs. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 4.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: **Networking 6**
Course Number: **82070700**
Credit: **1.00**
Grade Level: **11-12**

Major Concepts/Content

This course continues the study of network support services using the Cisco Academy curriculum. The content includes management and support techniques; remote access assistance to users; proficiency in installation, configuration and management of e-mail server software; network server operation systems; network management, and techniques for training users. This course is part of the **Network Support Services** and **Network Systems Administration** programs. Students enrolled in this course will receive honor points.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Networking 5.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 3 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | X | | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: New Media Technology
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the ~~Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.~~

PRE REQUISITE: None

SPECIAL NOTE: ~~Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.~~

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1=below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
 OR (~~Computing for College and Careers, see above~~)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: New Media and Digital Imaging Fundamentals

Course Number: 82074100

Credit: 1.00

Grade Level: 10-12

Major Concepts/Content

This course provides an overview of presentation guidelines and design elements associated with various presentation types. The content includes effective digital photography composition and digital imaging software features including optimizing digital photos for web presentation. Students will create an electronic slide presentation using presentation software. This course is part of the **New Media Technology** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Digital Video and Sound Fundamentals
Course Number: 82074200
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course covers advanced planning and video editing for multimedia presentations. Students will design presentations through various steps of development, implementation, and final output. This course is part of the **New Media Technology** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, New Media and Digital Imaging Fundamentals.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 1
Course Number: 82071100
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course provides a basic overview of the Internet and an introduction to Web page design. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design with software commonly used in business such as Microsoft FrontPage. This course is part of the **Web Design** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: PC Support
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the **Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.**

PRE REQUISITE: None

SPECIAL NOTE: Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.

General Course Information:

| | YES | NO | Other |
|---|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1=below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (Computing for College and Careers, see above)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: *This is equivalent to Computing for College and Careers.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: PC Support 1
Course Number: 82072100
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course develops entry-level skills for employment in PC support services careers. Emphasis is placed on developing an understanding of various computer software applications and computer hardware. Students will perform word processing, spreadsheet, database, presentation, desktop publishing, and accounting activities with software commonly used in business. Students will also develop proficiency in basic preventative hardware maintenance and the use of various features of a browser. This course is part of the **PC Support** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: PC Support 2
Course Number: 82072200
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course continues the development of basic PC support services skills. The content includes system and applications software, electronic communication via the Internet, communication skills for end user support and assistance, and an introduction to computer networking. This course is part of the **PC Support** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, PC Support 1.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: PC Support 3
Course Number: 82072300
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the development of PC support services skills and is designed to develop advanced skills for employment. The content includes advanced software applications, the interrelationships among major components of networks, hardware installation, and selection of electronic communications software and hardware. This course is part of the **PC Support** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, PC Support 2.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: PC Support 4
Course Number: 82072400
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course continues the development of advanced PC support services skills. The content includes utilization of advanced software/system features and programs, integration techniques to enhance projects, network administration responsibilities, components of Web pages, and preventative hardware maintenance. This course is part of the **PC Support** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, PC Support 3.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: PC Support 5
Course Number: 82072500
Credit: 1.00
Grade Level: 12

Major Concepts/Content

This course continues the development of advanced PC support services skills. The content includes procedures for installing and repairing hardware, database search procedures for troubleshooting software and hardware problems, utilization of advanced software/systems features and programs, integration techniques to enhance projects, network administration, components of web pages, preventative hardware maintenance, and telephone techniques relevant to help desk call centers. This course is part of the **PC Support** Program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, PC Support 4.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Program Title: Web Design
Course Title: CORE: Computing for College and Careers
 OR (Introduction to Information Technology, see below)
Course Number: 82090200
Credit: 1.00
Grade Level: 9-12

Major Concepts/Content

This course provides a basic overview of current business and information systems and trends and introduces students to the basic skills and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications as communication tools for enhancing personal and workplace proficiency in an information-based society. This course is part of the ~~Information Technology, International Business, Accounting Operations, Administrative Assistant, Business Computer Programming, Business Supervision and Management, Business Computer Programming, Digital Design, Electronic Business Enterprise, Game/Simulation/Animation Audio/Video Effects, Game/Simulation/Animation Programming, Game/Simulation/Animation Visual Design, Legal Administrative Specialist, Medical Administrative Specialist, Multimedia Design Technology, Network Support Services, Network Systems Administration, New Media Technology, PC Support Services, and Web Design Programs.~~

PRE REQUISITE: None

SPECIAL NOTE: ~~Introduction to Information Technology is equivalent to Computing for College and Careers EXCEPT in the Information Technology program.~~

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | | X | |
| Bright Futures (BF) | | | |
| — Florida Academic Scholar (FAS) | | X | |
| — Florida Medallion Scholar (FMS) | | X | |
| — Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level | | | 2 |
| — 1=below grade level, | | | |
| — 2= at grade level, | | | |
| — 3= above grade level | | | |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| — State Honors (1 quality point) | | X | |
| — BCPS Local Honors ONLY (1 quality point) | | X | |
| — Pre IB (1 quality point) | | X | |
| — Pre AICE (1 quality point) | | X | |
| — AP (Advanced Placement) (2 quality points)* | | X | |
| — IB (International Baccalaureate) (2 quality points) | | X | |
| — AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| — Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3 year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: CORE: Introduction to Information Technology
OR (Computing for College and Careers, see above)

Course Number: 82073100

Credit: 1.00

Grade Level: 10

Major Concepts/Content

This course provides an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHMTL, and XML commands; emerging technologies; and web page design.

PRE REQUISITE: None

SPECIAL NOTE: This is equivalent to Computing for College and Careers.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 1

Course Number: 82071100

Credit: 1.00

Grade Level: 10-12

Major Concepts/Content

This course provides a basic overview of the Internet and an introduction to Web page design. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design with software commonly used in business such as Microsoft FrontPage. This course is part of the **Web Design** program.

PRE REQUISITE: Students should have previously completed, or be concurrently enrolled in, Computing for College and Careers or Introduction to Information Technology.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 2
Course Number: 82071200
Credit: 1.00
Grade Level: 10-12

Major Concepts/Content

This course provides advanced concepts for the Internet and Web design. The content includes Internet/Intranet tools, Web site promotion, advanced HTML commands, advanced page design, and multimedia applications. This course is part of the **Web Design** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Web Design 1.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 3

Course Number: 82071300

Credit: 1.00

Grade Level: 11-12

Major Concepts/Content

This course provides advanced concepts in HTML programming and Web design. The content includes advanced HTML editors and converters, advanced functions of WYSIWYG editors, interactive web site components, and animation technologies. This course is part of the **Web Design** program.

PRE REQUISITE: Students must have previously completed, or be concurrently enrolled in, Web Design 2.

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | | X | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 4
Course Number: 82071400
Credit: 1.00
Grade Level: 11-12

Major Concepts/Content

This course develops skills using graphic editing and digital imaging software such as Adobe Photoshop. This course is part of the **Web Design** program.

PRE REQUISITE: Students must have previously completed, or be concurrently enrolled in, Web Design 3.

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 5

Course Number: 82071500

Credit: 1.00

Grade Level: 12

Major Concepts/Content

This course presents an overview of e-commerce; develops proficiency using scripting languages such as JavaScript, interactive web site components, and web site promotion; and increases proficiency in audiovisual techniques. This course is part of the **Web Design** program.

PRE REQUISITE: *Students should have previously completed, or be concurrently enrolled in, Web Design 4.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|----------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program

Course Title: Web Design 6
Course Number: 82071600
Credit: 1.00
Grade Level: 12

Major Concepts/Content

This course presents advanced concepts in web site promotion. Students will plan, design, implement and promote a business web site using both individual and team talents using industry-standard software. This course is part of the **Web Design** program.

PRE REQUISITE: *Students must have previously completed, or be concurrently enrolled in, Web Design 5.*

General Course Information:

| | YES | NO | Other |
|--|-----|----|-------------------------------|
| Graduation Requirement | X | | FINE ARTS |
| Bright Futures (BF) | | | |
| Florida Academic Scholar (FAS) | | X | |
| Florida Medallion Scholar (FMS) | | X | |
| Florida Gold Seal Vocational (FGSV) | X | | 4 YR 24 CREDIT OPTION ONLY ** |
| State University System (SUS) | X | | ELECTIVE |
| National Collegiate Athletic Association (NCAA) | | X | |
| BCPS "Core" Course | | X | |
| Course Level 1=below grade level, 2= at grade level, 3= above grade level | | | 2 |
| Industry Credential Eligible | X | | |
| Weighted Quality Points | | | |
| State Honors (1 quality point) | | X | |
| BCPS Local Honors ONLY (1 quality point) | | X | |
| Pre IB (1 quality point) | | X | |
| Pre AICE (1 quality point) | | X | |
| AP (Advanced Placement) (2 quality points) * | | X | |
| IB (International Baccalaureate) (2 quality points) | | X | |
| AICE (Advanced International Certificate of Education) (2 quality points) | | X | |
| Technical Dual Enrollment (2 quality points) | X | | |

* Must take AP exam; otherwise only 1 quality point.

** For the 3-year, 18 credit option, requirements may differ. See your guidance counselor for more information.

All information contained in this Curriculum Guide is subject to change. For current information, please visit the respective websites for each program