2011-2012
Computer 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.

Course Title: **Computer Applications I (R)**
Course Number: **02003100**
Credit: **.50**
Grade Level: **9-12**
Major Concepts/Content
The purpose of COMPUTER APPLICATIONS is to enable students to
develop knowledge and skills in the use of computer applications.
The content should include, but not be limited to, the following:
- input and output devices
- principles, concepts, and processes of computer applications
- ethical use of computers
- telecommunications concepts and use of the Internet
This course shall integrate the Goal 3 Student Performance Standards of the
Florida System of School Improvement and Accountability as appropriate to the
content and processes of the subject matter.
Course student performance standards must be adopted by the district, and they
must reflect appropriate Sunshine State Standards benchmarks.**PREREQUISITE: None**
Special Note: *Satisfies computer literacy requirement*
General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Computer Applications II (R)
Course Number: 02003300
Credit: .50
Grade Level: 9-12
Major Concepts/Content

The purpose of COMPUTER APPLICATIONS II is to enable students to apply knowledge and skills in computer applications in the design, presentation, and evaluation of specified projects.
The content should include, but not be limited to, the following:
- project planning and problem solving
- principles, concepts, and processes of computer applications and their integration into projects
- ethical use of computers
- telecommunications concepts and use of the Internet
- productivity and multimedia tools
This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and process of the subject matter.
Course student performance standards must be adopted by the district, and they must reflect appropriate Sunshine State Standards benchmarks.
PREREQUISITE: COMPUTER APPLICATIONS or teacher recommendation
Special Note: *Satisfies computer literacy requirement*

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Computer Programming I (R)
Course Number: 02013000
Credit: 1.00
Grade Level: 9-12
Major Concepts/Content

The purpose of COMPUTER PROGRAMMING I is to enable students to develop knowledge of programming concepts and one or more languages.
The content should include, but not be limited to, the following:
- programming concepts and techniques
- development and use of programming language(s)
- sequential, logical problem solving
- algorithms and flowcharts
- syntax, vocabulary, and data structures
- writing, testing, and debugging computer programs
- ethical, social, and historical implications

This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and processes of the subject matter.
Course student performance standards must be adopted by the district, and they must reflect appropriate Sunshine State Standards benchmarks.

PREREQUISITE: Teacher recommendation and Algebra I
<u>Special Note</u>: Satisfies computer literacy requirement.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Computer Programming II (A)
Course Number: 02013100
Credit: 1.00
Grade Level: 9-12
Major Concepts/Content

The purpose of COMPUTER PROGRAMMING II is to enable students to develop knowledge of advanced programming concepts and one or more languages with emphasis on the development of algorithms.
The content should include, but not be limited to, the following:
- programming concepts and techniques
- development and use of programming language(s)
- sequential, logical problem solving
- algorithms and flowcharts
- syntax, vocabulary, and data structures in programming
- writing, testing, and debugging computer programs
- ethical and social implications
This course shall integrate the Goal 3 Student Performance Standards of the
Florida System of School Improvement and Accountability as appropriate to the
content and processes of the subject matter.
Course student performance standards must be adopted by the district, and they
must reflect appropriate Sunshine State Standards benchmarks.
PREREQUISITE: COMPUTER PROGRAMMING, teacher recommendation and Algebra I
Special Note: Satisfies computer literacy requirement

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Computer Programming III (A)**
Course Number: **02013200**
Credit: **1.00**
Grade Level: **9-12**
Major Concepts/Content

The purpose of COMPUTER PROGRAMMING III is to introduce students to structured programming in a high-level or object-oriented programming language. Top-down design, looping, conditional processing, arrays, and structured data types will be introduced. The content includes, but is not limited to, algorithm development, language syntax, and solving problems appropriate to the languages being studied. The course is designed to help students who are planning to enter the fields of Engineering, Business and Information Sciences, Statistics, and Physical Sciences to prepare for the programming requirements of the college major.

PREREQUISITE: COMPUTER PROGRAMMING II or teacher recommendation
Special Note: Satisfies computer literacy requirement. Advanced credit

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Advanced Placement Computer Science A (A)**
Course Number: **02003200**
Credit: **1.00**
Grade Level: **9-12**
Major Concepts/Content
The purpose of ADVANCED PLACEMENT COMPUTER SCIENCE **A** is to treat the applications of computing within the context of programming methodology, algorithms, and data structure. The content includes, but is not limited to, emphasis on structured and logical design of computer programs and advanced topics such as controls, structures, and file manipulation.
PREREQUISITE: COMPUTER PROGRAMMING II or teacher recommendation
<u>*Special Note*</u>: *Satisfies computer literacy requirement. The Advanced Placement Computer Science Test language requirement is Java.*
Advanced Credit. Course Title: Advanced Placement Computer Science AB (A)

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Advanced Placement Computer Science AB (A)**
Course Number: **02003800**
Credit: **1.00**
Grade Level: **9-12**
Major Concepts/Content
The purpose of ADVANCED PLACEMENT COMPUTER SCIENCE **AB** is to provide an extensive study of the applications of computing within the context of programming methodology, algorithms, and data structure. The content includes, but is not limited to, emphasis on structured and logical design of computer programs and advanced topics such as controls, structures, and file manipulation.
PREREQUISITE: COMPUTER PROGRAMMING II or teacher recommendation
<u>*Special Note*</u>*: Satisfies computer literacy requirement.* *The Advanced Placement Computer Science Test language requirement is C++.*
Advanced Credit.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Emergent Computer Technologies (R)**
Course Number: **02003600**
Credit: **1.00**
Grade Level: **9-12**
Major Concepts/Content
EMERGENT COMPUTER TECHNOLOGIES will provide students with computer technology-based, interdisciplinary knowledge and skills which influence a changing society. Emphasis will be on the impact of computer technology during this decade and the projection of current trends and movements. Concepts and skills will be developed in connection with content that will cover a range of disciplines, including, but not limited to, the areas of multimedia programming, architecture, entertainment media, ethics, animation, robotics, telecommunications, and the concepts of computer generated simulation. PREREQUISITE: COMPUTER APPLICATIONS **OR** COMPUTER PROGRAMMING
COREQUISITE: Currently enrolled in Algebra I

<u>*Special Note*</u>*: Satisfies computer literacy requirement.*

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Visual Computer Modeling (R)**
Course Number: **02003700**
Credit: **1.00**
Grade Level: **9-12**
Major Concepts/Content

The purpose of VISUAL COMPUTER MODELING is to provide computer science students with an introduction to visualization graphics programming on personal computers. Emphasis is placed on the fact that visualization graphics is often referred to as the second computer revolution and is changing global and local perspectives. Content will be interdisciplinary and will include areas such as engineering and architecture, industrial design and manufacturing, medicine, physics and biology, entertainment arts and advertising.

PREREQUISITE: COMPUTER PROGRAMMING.
Special Note: Satisfies computer literacy requirement.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Computer Programming- Basic I
Course Number: 02013300
Credit: .50
Grade Level: 9-12
Major Concepts/Content

The purpose of this course is to enable students to develop knowledge of programming concepts and the use of BASIC programming language.
The content should include, but not be limited to, the following:
- programming concepts and techniques
- BASIC programming language
- algorithms and flowcharts
- data structures and structured programming
- subroutines, looping, branching, string functions, and graphics
- writing, testing, and debugging BASIC computer applications
- ethical and social implications

This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and processes of the subject matter.
Course student performance standards must be adopted by the district, and they must reflect appropriate Sunshine State Standards benchmarks.
PREREQUISITE: Algebra I

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Computer Programming- Basic II**
Course Number: **02013400**
Credit: **.50**
Grade Level: **9-12**
Major Concepts/Content

 The purpose of this course is to teach advanced BASIC language programming. The social implications of computing will be integrated into the course.

The content should include, but not be limited to, the following:

- programming methodology
- algorithms
- data structures
- applications development
- social implications of computing
- BASIC programming language using a structured programming approach - subscripted variables, matrices, string manipulations, sorting techniques, disk operations, data files, advanced graphics

PREREQUISITE:

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Computer Programming - FORTRAN**
Course Number: **02013600**
Credit: **0.50**
Grade Level: **9-12**
Major Concepts/Content:
The purpose of this course is to provide an introduction to the FORTRAN programming language.
The content should include, but not be limited to, the following:
- programming methodology
- algorithms
- data structures
- applications development
- computer systems
- social implications of computing
- FORTRAN programming language using the FORTRAN commands necessary to write simple computer programs
PREREQUISITE: Teacher Recommendation

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Computer Programming - COBOL**
Course Number: **02013800**
Credit: **0.50**
Grade Level: **9-12**
Major Concepts/Content:
The purpose of this course is to provide an introduction to programming in the COBOL language. The social implications of computing will be integrated into the course. The content should include, but not be limited to, the following:
- programming methodology
- algorithms
- data structures
- applications development
- computer systems
- COBOL programming language using the COBOL commands necessary to write simple computer programs
PREREQUISITE: Teacher Recommendation
Special Note: None
Course Requirements: Refer to Course Descriptions

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Introduction to Computers**
Course Number: **02003000**
Credit: **0.50**
Grade Level: **9-12**
Major Concepts/Content
The purpose of this course is to enable students to develop knowledge of the functions, capabilities, applications,
and social implications of computer technology.
The content should include, but not be limited to, the following:
 - computer systems
 - operation and functions of computers
 - telecommunications
 - task analysis and problem solving
 - impact on careers and society
 - ethical use of technology
 - personal and occupational use of technology
This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School
Improvement and Accountability as appropriate to the content and processes of the subject matter.
Course student performance standards must be adopted by the district and they must reflect appropriate
Sunshine State Standards benchmarks.
PREREQUISITE: Teacher Recommendation
<u>*Special Note*</u>*: Hands-on activities are an integral part of this course.*
<u>*Course Requirements:*</u> *Refer to Course Description.*

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Design Portfolio
Course Number: 02004100
Credit: 1.00
Grade Level: 9-12
Major Concepts/Content:
The purpose of this course is to take the fusion of audio, video, and hypertext to a new level. Students will learn how to integrate multimedia and desktop publishing through the disciplines of visual, information, and programming design on the Internet and World Wide Web. Programming languages may include: Java and JavaScript. Students will compile a portfolio of thumbnails, storyboards, information and interactive design content, structure, and layout, web graphics, and animations.
 The content should include, but not be limited to the following:
    – the process, practice, and tools of design
    – RAD (Rapid Application Development) environments, such *as Adobe PageMill,*
    NetObjects Fusion, Macromedia Dreamweaver, etc.
    – information, interactive, and interface design content, structure, and layout
    – integration of text, graphics, motion, and sound
    – technologies (frames, supplemental plug-ins, JavaScript, and searchable database)
    – bit depth, gamma, and resolution
    – storyboarding, typography
    – web-file formats, layout and alignment techniques
    – background tiles, low bandwidth graphics
    – navigation devices, transparent artwork
    – hexadecimal and browser-safe color
    – rules, bullets, and buttons
    – animations, sound, portfolio and presentations
    – career path of Information and Interactive Design
   PREREQUISITE: Teacher Recommendation.
  Special Note: None
   Course Requirements: **Refer to Course Description**

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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 Masters
Course Number: 02004000
Credit: 1.0
Grade Level: 9-12
Major Concepts/Content:
The purpose of this course is to enable students to plan, develop, and publish well-designed web sites that combine effective navigation with appropriate use of graphics, text, color, and sound.
The content should include, but not be limited to the following:
- ethical and social implications of Internet use
- web site organization and topology
- client and user needs
- visual organizers and web site planning
- writing, testing, and debugging code
- web site design and publishing principles
- interactivity and dynamic content
- web site management
This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and processes of the subject matter.
Course student performance standards must be adopted by the district and they must reflect appropriate Sunshine State Standards benchmarks.
PREREQUISITE: Teacher Recommendation
Special Note: Hands-on activities are an integral part of this course.
Course Requirements: Refer to Course Descriptions

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Information Design**
Course Number: **02003900**
Credit: **1.0**
Grade Level: **9-12**
Major concepts/content:

The purpose of this course is to expand the science of the organization and structure of information. The emphasis will be on the architectural stages of definition, concept, creation, and implementation in the authoring of information design. The course will integrate multimedia and desktop publishing features. Students will learn how to include animation and sound in design applications.

The content should include, but not be limited to the following:
– the process, practice, and tools of design
– RAD (Rapid Application Development) environments, such *as Adobe PageMill,*
NetObjects, Fusion, Macromedia Dreamweaver, etc.
– graphics in the Web environment
– links, maps, and frames
– cross-platform compatibility
– color theory and browser-safe color
– navigation
– rollovers
– animations
– web file formats
– transparency
– rules, bullets, buttons
– typography
– alignment
PREREQUISITE: Teacher Recommendation.
 Special Note*: *None
Course Requirements: Refer to Course Descriptions

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Interactive Design**
Course Number: **02003850**
Credit: **1.0**
Grade Level: **9-12**
Major concepts/content:

The purpose of this course is to expand the science of the organization, functionality, and structure of user interface design and interactive applications. The course will integrate multimedia and desktop publishing features.

Students will learn how to include animation and sound in design applications.

The content should include, but not be limited to the following:

– the process, practice, and tools of design
– object-oriented program features
– software applications, such *as Adobe PageMill; NetObjects Fusion; Macromedia Dreamweaver*, *Flash, Director, Authorware Attain or Pathware Attain*
– technologies (frames, documents, windows, supplemental plug-ins, ActiveX, Shockwave, JavaScript, and searchable database)
– form and function
– user interaction and feedback
– event handlers
– document object model
– cross-platform compatibility
– color theory
– navigation
– graphics and image rollovers
– dynamic text and pages
– tables and animations
– buttons and typography
– career opportunities in interactive programming and design
– emerging standards

PREREQUISITE: Teacher Recommendation. Special Note: None

Course Requirements: Refer to Course Descriptions

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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 inform*

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

Course Title: **Computer Applications In Science and Engineering(R)**
Course Number: **02003500**
Credit: **.50**
Grade Level: **9-12**
Major Concepts/Content

The purpose of Computer Applications In Science and Engineering is to introduce students to special computer hardware and software used in engineering. Topics should include, but not be limited to, using the computer as a laboratory instrument, using the computer in design, using the computer as a process controller, using the computer as a simulator, and using the computer as an analytical tool.

PREREQUISITE: Teacher Recommendation
Special Note: This course is for Dillard Computer/High Technology Magnet Program students only.
Satisfies computer literacy requirement.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Applied Computer Technology (R)**
Course Number: **02003400**
Credit: **.50**
Grade Level: **9-12**

Major Concepts/Content

The purpose of APPLIED COMPUTER TECHNOLOGY is to provide the student with an understanding of various kinds of microcomputer hardware, and their uses, and to provide instruction in basic microcomputer architecture, interfacing and diagnostic repair and maintenance techniques.

The content should include, but not be limited to, basic microcomputer architecture, interfacing, diagnostic and repair techniques, and basic principles of robotics.

PREREQUISITE: Teacher Recommendation

<u>*Special Note*</u>*: This course is for Dillard Computer/High Technology Magnet Program students only.*

Satisfies computer literacy requirement.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Computer Programming Pascal (R)
Course Number: 02013500
Credit: .50
Grade Level: 9-12
Major Concepts/Content
The purpose of COMPUTER PROGRAMMING PASCAL is to provide an introduction to the Pascal programming language.
The course content will include, but not be limited to, programming methodology, algorithms, data structure, and applications development. Computer systems and social implications of computing will be integrated into the course. The programming language used for this course will be Pascal. Topics included will be those Pascal commands necessary to write simple computer programs.
PREREQUISITE: Teacher Recommendation
<u>*Special Note*</u>*: This course is for Dillard Computer/High Technology Magnet Program students only.*
Satisfies computer literacy requirement.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: Media Production (R)
Course Number: 11003400
Credit: .50
Grade Level: 9-12
Major Concepts/Content

The purpose of MEDIA PRODUCTION is to provide opportunities for students to develop skills in the production of non-print media.

The course content will include, but not be limited to, the use of equipment for the production of non print media, planning and producing non print media and careers related to media production.

PREREQUISITE: None

<u>*Special Note*</u>*: This course is for Dillard Computer/High Technology Magnet Program students only.*

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Computer Studies International Baccalaureate (A)**
Course Number: **02008000**
Credit: **1.00**
Grade Level: **11-12**
Major Concepts/Content

The purpose of this course is to enable students to develop the ability to explore and adapt new technological advances as tools for analysis. The interaction between information, technology, and society forms the nucleus of this course.

The content should include, but not be limited to, the following:

-exploration and adaptation of new technological advances as tools for analysis

-use of modern information systems to process and analyze information

-development of a systematic problem-solving approach to the processing and analysis of information

-integration of various disciplines and perspectives in evaluating and solving problems

-identification and use of information tools that will enhance and communicate ideas and facilitate life-long learning

-understanding of the local and global impact of information technology and the potential of networking that is a regular part of a constantly changing society

-use of new technologies as methods to enhance and expand our knowledge of the world and to meet the needs of society

This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and process of the subject matter.
PREREQUISITE: *Successful completion of Pre-International Baccalaureate II or teacher recommendation.*
Special Note: *This course content is specified by the International Baccalaureate Computer Studies Program and is for International Baccalaureate students only.*
Satisfies computer literacy requirement.
Advanced Credit

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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: **Computer Studies II International Baccalaureate (A)**
Course Number: **02008100**
Credit: **1.00**
Grade Level: **11-12**
Major Concepts/Content

The purpose of this course is to evaluate the impact of information technology on individuals and society. It explores the advantages and disadvantages of the use of digitized information at the local and global level.

The content should include, but not be limited to, the following:
- exploration and adaptation of new technological advances as tools for analysis
- use of modern information system to process and analyze information
- development of a systematic problem-solving approach to the processing and analysis of information
- integration of various disciplines and perspectives in evaluation and solving problems
- identification and use of information tools that will enhance and communicate ideas and facilitate life-long learning
- understanding of the local and global impact of information technology and the potential of networking that is a regular part of a constantly changing society
- use of new technologies as methods to enhance and expand our knowledge of the world and to meet the needs of society
- promote an understanding of t he social significance of information technology for individuals, communities and organizations
- analyze and evaluate the ethical considerations arising from the widespread use of information technology at the local and global level
- recognize that people can hold diverse opinions about the impact of information technology on individuals and societies

PREREQUISITE: *Successful completion of Pre-International Baccalaureate II or teacher recommendation.*
<u>*Special Note*</u>*: This course content is specified by the International Baccalaureate Computer Studies Program and is for International Baccalaureate students only.*
Satisfies computer literacy requirement.
Advanced Credit

General Course Information:

	YES	NO	Other
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 24 credit option ONLY **
State University System (SUS)	X		ELECTIVE
National Collegiate Athletic Association (NCAA)		X	
BCPS "Core" Course		X	
Course Level			3

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

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

Course Title: **Information Technology in a Global Society**
                          International Baccalaureate
Course Number: **02008900**
Credit: **1.0**
Grade Level: **9-12**
 Major Concepts/Content:
The purpose of this course is to enable students to develop the ability to explore and adapt new technological advances as tools for analysis. The interaction between information, technology, and society forms the nucleus of this course.
   The content should include, but not be limited to, the following:
   - exploration and adaptation of new technological advances as tools for analysis
   - use of modern information systems to process and analyze information
   - development of a systematic problem-solving approach to the processing and analysis of information
   - integration of various disciplines and perspectives in evaluating and solving problems
   - identification and use of information tools that will enhance and communicate ideas and facilitate life-long learning
   - understanding of the local and global impact of information technology and the potential of networking that is a regular part of a constantly changing society
   - use of new technologies as methods to enhance and expand our knowledge of the world and to meet the needs of society
This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Account ability as appropriate to the content and process of the subject matter. Course student performance standards must be adopted by the district, and they must reflect appropriate Sunshine State Standards benchmarks.
   PREREQUISITE: Teacher recommendation
   Special Note: None
   Course Requirements: Refer to Course Descriptions
General Course Information:

	YES	NO	Other

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

		X	CE
Graduation Requirement		X	CE
Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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

Course Title: **AICE Computing**
Course Number: **0200420**
Credit: **1.0**
Grade Level: **9-12**

A.   **Major Concepts/Content.**
     The purpose of this course is to enable AICE students to learn computing,
     The content of this course should contain, but not be limited to the following:
- development of an understanding of the main principles of solving problems using computers
- development of an understanding of the range of applications of computers and effects of their use
- development of an understanding of the organization of computer systems including software, data, hardware, communication and people
- acquirement of the skills necessary to apply this understanding to developing computer-based solutions to problems

B.   **Special Note.** The Advanced International certificate of Education (AICE) is an international pre-university curriculum and examination system administered by the Local Examination's Syndicate at the University of Cambridge.   The AICE courses include embedded assessments and an internationally scored end-of-course assessment.

Course Requirements. These requirements include, but are not limited to, the benchmarks from the Sunshine State Standards that are most relevant to this course. Benchmarks correlated with a specific course requirement may also be addressed by other course requirements as appropriate.   Some requirements in this course are not fully addressed by Sunshine State Standards.
Fort Lauderdale High school only.

General Course Information:

	YES	NO	Other
Graduation Requirement		X	EL

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

Bright Futures (BF)			
Florida Academic Scholar (FAS)		X	
Florida Medallion Scholar (FMS)		X	
Florida Gold Seal Vocational (FGSV)	X		4yr 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

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