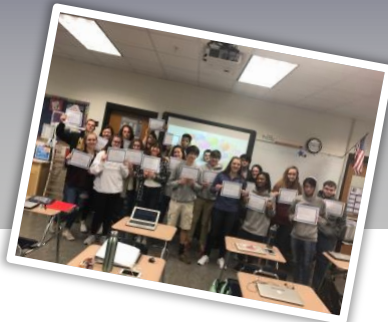


Accounting, Business, Marketing, Computer Programming, Web Design



Course for Computer Science Credit for Graduation

Fundamentals of Computing

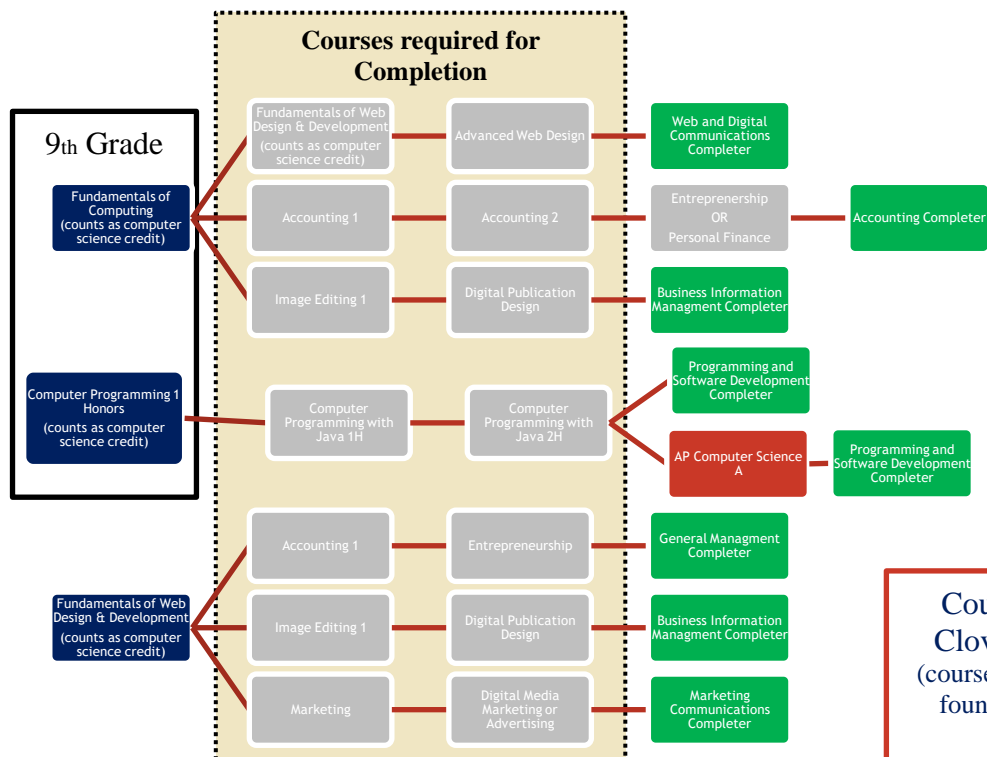
Computer Programming with C++ (Honors)

Fundamentals of Web Page Design

Upon completion of *one* of the courses above, students have begun a pathway in the following programs:
Accounting, Business Information Management, Marketing, Computer Programming, Web and Digital Communications.

Student Organization

DECA is a student-centered organization that prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management. DECA academically prepares students for college and career readiness by engaging in community service projects, competitive events, educational conferences, leadership positions, and networking and social media.



**Courses Offered at
Clover High School**
 (course descriptions can be
 found on the following
 pages)

Computer Science Credit Courses

Fundamentals of Computing-1 Unit—Grades 9-12.

College Preparatory Prerequisites: none

This course is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Through creativity and innovation, students will use critical thinking and problem-solving skills to implement projects that are relevant to students' lives. They will create a variety of computing artifacts while collaborating in teams. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design. Students will also be introduced to computing careers and will examine societal and ethical issues of computing. **[503100CW]**

Fundamentals of Web Page Design & Development - 1 Unit - Grades 9-12

College Preparatory Prerequisites: none

This course is designed to provide the student with the knowledge and skills needed to design Web pages. Students will develop skills in designing, implementing and maintaining a Website using the HTML and CSS programming languages. This course will also include an introduction to the Dreamweaver Web Design software. *NOTE:* Web pages created by students in this course may not be published without following district guidelines. **[503100CW]**

Computer Programming 1 - 1 Unit - Grades 9-12

Honors Prerequisites: English & Algebra 1 with a grade of "B" or higher

This course of study is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages. Students planning to continue in the Computer Programming pathway should successfully complete this course as a prerequisite. **[505000HW]**

Accounting

(to be a completer, student must complete Fundamentals of Computing in addition to the following courses)

Accounting 1 - 1 Unit - Grades 10-12

College Preparatory Prerequisites: none

This course introduces the student to the relationship between accounting and business through an understanding of the accounting cycle as applied to several different kinds of business operations and payroll work. Students also use the computer to see the advantages of technology in accounting procedures. **[500100CW]**

Accounting 2 - 1 Unit - Grades 11-12

College Preparatory Prerequisite: Accounting 1

This course provides the student with an opportunity to expand the applications of basic principles learned in Accounting 1. The student's ability to interpret business records for efficient management is increased along with employment opportunities in the accounting field. The course covers manual and computerized accounting tax procedures, payroll work, notes and interest, partnerships, and corporations. The student will demonstrate accounting principles through the use of an accounting workbook as well as computer software. **[500500CW]**

Personal Finance - 1 Unit - Grades 10-12

College Preparatory Prerequisites: none

This course is designed to introduce the student to financial literacy skills which includes budgeting, obtaining and understanding credit, maintaining checking and savings accounts, preparing tax returns, calculating real estate costs, investing considerations, understanding insurance, and computing payroll. **[513100CW]**

--OR--

Entrepreneurship - 1 Unit - Grades 9-12

College Preparatory Prerequisites: none

This course is designed to provide students with the knowledge and skills leading to the development of their own business plan for small business ownership. The course will incorporate economics, marketing, staffing, management, and financial considerations. **[540000CW]**

Business Information Management

(to be a completer, student must complete Fundamentals of Computing **or Fundamentals of Web Design and Development in addition to the following courses)**

Image Editing 1 w/Photoshop - 1 unit - Grades 9-12

College Preparatory Prerequisites: none

This course is designed to provide the student with the knowledge and skills needed to utilize Adobe Photoshop digital imaging software in editing and designing images and graphics. Students also learn the use of technologies related to digital imaging such as: basic computer operations; file sharing across networks; digital scanning; digital photography and document preparation for output to various types of media. Successful completion of this course will prepare the student to take industry certification test(s). **[534000CW]**

Digital Publication Design - 1 Unit - Grades 9-12

College Preparatory Prerequisites: none

This course brings together graphics and text to create professional level publications with Adobe InDesign software. Students create, format, illustrate, design, edit/revise, and print publications. Improved productivity of digitally produced newsletters, flyers, brochures, reports, advertising materials, and other publications is emphasized. Proofreading, document composition, and communication competencies are also included. **[517609CW]**

General Management

(to be a completer, student must complete Fundamentals of Web Design in addition to the following courses)

Accounting 1 - 1 Unit - Grades 10-12

College Preparatory Prerequisites: none

This course introduces the student to the relationship between accounting and business through an understanding of the accounting cycle as applied to several different kinds of business operations and payroll work. Students also use the computer to see the advantages of technology in accounting procedures. **[500100CW]**

Entrepreneurship - 1 Unit - Grades 9-12

College Preparatory Prerequisites: none

This course is designed to provide students with the knowledge and skills leading to the development of their own business plan for small business ownership. The course will incorporate economics, marketing, staffing, management, and financial considerations. **[540000CW]**

Marketing Communications

(to be a completer, student must complete Fundamentals of Web Design in addition to the following courses)

Marketing - 1 Unit - Grades 9-12

College Preparatory; Prerequisites: none

This course provides the foundation for all areas of marketing and develops the interpersonal skills and critical thinking skills paramount to the success of students in the business community. Emphasis is placed on the marketing functions of sales, market-information management, financing, pricing, promotion, product/service management and distribution. **[542100CW]**

Digital Media Marketing - 1 unit. - Grades 10-12

College Preparatory; Prerequisites: Marketing

This course examines all aspects of advertising and digital media marketing. Students will creatively plan, design, and develop an advertising campaign for a product or service using real-world applications and considerations. Students will integrate technology commonly used in the advertising industry. **[542200CW]**

Programming and Software Development

(to be a completer, student must complete all of the following courses)

Computer Programming 1 - 1 Unit - Grades 9-12

Honors Prerequisites: English & Algebra 1 with a grade of "B" or higher

This course of study is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages. Students planning to continue in the Computer Programming pathway should successfully complete this course as a prerequisite. **[505000HW]**

Programming and Software Development continued

Computer Programming with JAVA 1 Honors - 1 Unit - Grades 10-12

Honors Prerequisites: Computer Programming C++ 1

This course is designed to emphasize the fundamentals of computer programming. Topics include computer hardware and software, program design and development, and practical experience in programming using the JAVA programming language. Students will learn JAVA language components using various JAVA editors. **[505200HW]**

Computer Programming with Java 2 Honors - 1unit credit - Grades 11-12

Honors Prerequisite: Computer Programming with Java 1

This course is designed to extend the skills of computer programming learned in Computer Programming with JAVA 1. Students will learn more advanced JAVA components including but not limited to arrays, classes, graphics and sorting. Students planning to take AP Computer Science A should successfully complete this course. **[505300HW]**

Advanced Placement Computer Science A - 1 Unit AP credit plus 1 Unit Honors Credit - Grades 11-12

AP/Dual Credit Prerequisites: completion of Computer Programming 1 with JAVA

This course is designed for the student who is planning a post-secondary major in computer science or in a related area of information technology. Upon completion, students should be able to: design, implement, and analyze solutions to problems; use and implement commonly used algorithms; develop and select appropriate algorithms and data structures to solve new problems; write solutions fluently in an object-oriented paradigm; write, run, test and debug solutions in the JAVA programming language, utilizing standard JAVA library classes and interfaces from the AP JAVA subset; read and understand programs consisting of several classes and interacting objects; read and understand a description of the design and development process leading to such a program; and understand the ethical and social implications of computer use.

Web and Digital Communications

(to be a completer, student must complete Fundamentals of Computing in addition to the following courses)

Fundamentals of Web Page Design & Development - 1 Unit - Grades 9-12

College Preparatory Prerequisites: none

This course is designed to provide the student with the knowledge and skills needed to design Web pages. Students will develop skills in designing, implementing and maintaining a Website using the HTML and CSS programming languages. This course will also include an introduction to the Dreamweaver Web Design software. **NOTE: Web pages created by students in this course may not be published without following district guidelines. [503100CW]**

Advanced Web Page Design and Development - 1 Unit - Grades 10-12

College Preparatory Prerequisites: Fundamentals of Web Page Design and Development

This course focuses on the overall web-design production process with particular emphasis on design elements involving layout, navigation, and interactivity. Students will develop skills in designing, implementing, and maintaining a Website using HTML, CSS and JavaScript, as well as the Adobe Dreamweaver authoring tool. Adobe Photoshop and other Adobe programs are also incorporated. **[503300CW]**

Other related electives

Entrepreneurship - 1 Unit - Grades 9-12

College Preparatory Prerequisites: none

This course is designed to provide students with the knowledge and skills leading to the development of their own business plan for small business ownership. The course will incorporate economics, marketing, staffing, management, and financial considerations. **[540000CW]**

Personal Finance - 1 Unit - Grades 10-12

College Preparatory Prerequisites: none

This course is designed to introduce the student to financial literacy skills which includes budgeting, obtaining and understanding credit, maintaining checking and savings accounts, preparing tax returns, calculating real estate costs, investing considerations, understanding insurance, and computing payroll. **[513100CW]**