

INFORMATION TECHNOLOGY

♦ **ONE (1) CREDIT REQUIRED FOR GRADUATION.**

♦ **Course offerings not having sufficient enrollment after registration will be discontinued for the 2017-2018 school year.**

Using technology as a tool to research, create, organize, evaluate and communicate information, is a necessity of every student in promoting lifelong learning and success within the workplace. **So What Computer Class Should I Take?**

It is highly recommended and strongly encouraged that all incoming freshman or student with little to no computer skills take Computer Applications (formerly Information & Communications Technology (ICT I)), which is considered a foundational course. After successful completion of Computer Applications, students are encouraged to look at other courses that fit their specific interests.

Computer courses available by grade level and credits earned	
Each course listed here is a semester course earning .5 (1/2) credit	Grades 9-12 Computer Applications Advanced Computer Applications
	Grades 10-12 Computer Graphics Audio / Visual Production Web Publishing and Design Desktop Publishing Commercial Graphic Design (Stevens only)
Each course listed here is a year-long course earning 1 credit	Grades 10-12 Exploring Computer Science (Central & Stevens only)

Course Recommendations by Grade Level and Experience	
<ul style="list-style-type: none"> • Incoming Freshman • Students with Little or No Computer Experience 	The Computer Applications course is highly recommended if you have not mastered basic formatting and operations in Microsoft Office programs (Word, Excel, Access, and PowerPoint). This is a foundational course that also covers file management, time management skills, technical reading and other related skills needed in order to be successful in more advanced computer courses.
<ul style="list-style-type: none"> • Upper Classmen with <u>Computer Experience</u> <ul style="list-style-type: none"> ○ Successful completion of Computer Applications or 8th grade computers with a C or better grade. 	Focus on other more specific computer courses that meet your interests. **Read the following descriptions to find that perfect course for you!

Computer Applications (9-10-11-12)

One Semester - 1/2 Credit

(formerly Information and Communication Technology I)

► ***This course goes beyond the basics taught in Middle School. If the student feels he/she is proficient in this area, please make arrangements for a test-out.***

► ***Approved Career and Technical Education Course***

Welcome to high school and the course that will take the papers and projects you create to a higher level of success! Computer Applications helps you learn tools you need for creating assignments that require word processing, spreadsheets, databases, or presentations. (Students are highly recommended to take Computer Applications as a freshman.)

Advanced Computer Applications(9-10-11-12)

One Semester – 1/2 Credit

(formerly Information and Communication Technology II)

► ***Completion of Computer Applications is highly recommended for success in this class.***

► ***Approved Career and Technical Education Course***

Take your assignments to the next level showing your expertise in integrating software applications into projects and papers. Advanced techniques in word processing, databases, spreadsheets, and presentations will make your papers and projects shine! You will benefit from this class because you gain solid, working knowledge of industry-standard software applications that you have for life.

Audio / Visual Production (10-11-12)

One Semester - 1/2 Credit

(formerly Digital Video)

► ***Completion of Computer Applications is highly recommended for success in this class.***

► ***Approved Career and Technical Education Course***

Imagine you are a movie producer and you have this great idea for a movie but you need the skills to make it. You will learn how to create your own movie using basic audio and video production techniques. Plus, you will learn the art of story boarding, scene visualization, and editing.

Desktop Publishing (10-11-12)

One Semester - 1/2 Credit

(formerly ePublishing I)

► ***Completion of Computer Applications is highly recommended for success in this class.***

► ***Approved Career and Technical Education Course***

If you like designing flyers, then this course is for you. Learn the basics of design for electronic and print media. By the end of the course you will have the skills to design your own project covers, flyers, and much more that will make people notice!

Commercial Graphic Design (10-11-12) (Stevens only)

One Semester - 1/2 Credit

(formerly ePublishing II)

► ***Completion of Desktop Publishing is highly recommended for success in this class.***

► ***Approved Career and Technical Education Course***

Do you have a design flare but don't know what to do with it? Join Commercial Graphic Design for cutting edge design elements, creating attributes of products that sell! You will learn how to take basic design elements and push them to the edge producing great pamphlets, posters, business cards, folders, web ads and much more.

Web Publishing and Design (10-11-12)

One Semester - 1/2 Credit

(formerly Web Page Design I)

- ▶ **Completion of Computer Applications is highly recommended for success in this class.**
- ▶ **Approved Career and Technical Education Course**

Web publishing is a whole new world! Web Publishing and Design introduces you to various web publishing programs used to create web sites. You will also learn how to obtain and manipulate images, graphics, and photos to be used in your web site.

Computer Graphics (10-11-12)

One Semester - 1/2 Credit

(formerly Multimedia I)

- ▶ **Completion of Computer Applications is highly recommended for success in this class.**
- ▶ **Approved Career and Technical Education Course**

So you think you know what you are doing on the computer? Expand your skills and knowledge to bring presentations, animations, and graphics together. You will learn how to use presentation and animation software, graphic editors, and produce more dynamite presentations.

Exploring Computer Science (10-11-12) (Central and Stevens only)

One Year – 1 Credit

- ▶ **Completion of Integrated Math 1 is recommended.**
- ▶ **Approved Career and Technical Education Course**

Ever wondered why an algorithm behaves the way it does? Ever needed to “Scratch” a small itch for game programming? How about combining your artistic side and your brainiac side by generating your own data collection and creating an info-graphic using that data? The Computer Science Industry is a dynamic and entrepreneurial environment that has a revolutionary impact on the economy and society. In this year-long course, you’ll be part of a team that will learn to be creative in designing computer-based solutions to real-world problems. The tools of your trade will include basic programming, data analysis, game design, navigating the Web, Web page programming and design.