

Career and Technical Education

<p>Computer Applications Grade Level: 8 Students develop or review correct keyboarding techniques and gain a basic knowledge of word processing, spreadsheet, database, graphics, and telecommunications applications. Students demonstrate an understanding of computer concepts through application of knowledge. Students learn to use software packages and local and worldwide network communications systems. Grade 8 Computer/Technology Standards of Learning are incorporated and reinforced in this course.</p>	<p>Computer Information Systems Students apply problem-solving skills to real-life situations through word processing, spreadsheets, databases, multimedia presentations, and integrated software activities. Students work individually and in groups to explore computer concepts, operating systems, networks, telecommunications, and emerging technologies. Essex High School participates in the Governor's Microsoft Academy</p>
<p>Principles of Business and Marketing Students discover the roles of business and marketing in the free enterprise system and the global economy. Basic financial concepts of banking, insurance, credit, inheritance, taxation, and investments are investigated to provide a strong background as students prepare to make sound decisions as consumers, wage earners, and citizens. The real-world impact of technology, effective communication, and interpersonal skills is evident throughout the course. This course also supports career development skills and explores career options</p>	<p>Advanced Computer Information Systems <i>Prerequisites: Computer Information Systems</i> Students apply problem-solving skills to real-life situations through advanced integrated software applications, including printed, electronic, and Web publications. Students work individually and in groups to explore advanced computer maintenance activities, Website development, programming, networking, emerging technology, and employability skills.</p>
<p>Design Multimedia/Web Technology Students develop proficiency in designing and creating desktop-published projects, multimedia presentations/projects, and Web sites, using industry-standard application software. Students apply principles of layout and design in completing projects. Students create portfolios that include a résumé and a variety of desktop-published, multimedia, and Web-site projects produced in the course.</p>	<p>Fashion Marketing <i>Prerequisite recommended: Principles of Business and Marketing</i> This course designed to offer an overview of the fashion industry. It provides the foundation in preparing students for a wide range of careers available in the different levels of the fashion industry, Emphasis is given to historical development, textiles, manufacturers, merchandising, domestic and foreign markets, accessories, and retailing.</p>
<p>Advanced Design Multimedia Web <i>Prerequisite: Design and Multimedia Web</i> Students develop advanced skills for creating desktop published, interactive multimedia, and Web-site projects. Students work with</p>	<p>Advanced Fashion Marketing Students with an interest in apparel and accessories marketing gain in-depth knowledge of the apparel and accessories industry and skills utilized in various apparel businesses. They develop advanced skills unique to fashion</p>

<p>sophisticated hardware and software, applying skills to real-world projects.</p>	<p>marketing and advanced general marketing skills applied to the apparel and accessories industry. Professional selling, sales promotion, buying, merchandising, marketing research, economics, hiring and retaining employees, product/service technology, and supervision as well as academic skills (mathematics, science, English, and history/social science) related to the content are part of this course.</p>
<p>Economics and Personal Finance Grade Levels: 10–12 Required by the Virginia Department of Education for graduation and has required virtual component required for graduation. Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success. In addition to developing personal finance skills, students in the 36-week course will also study basic occupational skills and concepts in preparation for entry-level employment in the field of finance. The course incorporates all economics and financial literacy objectives included in the Code of Virginia §22.1-200- 03B.</p>	<p>Entrepreneurship Education In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, attract investors, market their business, and manage expenses. Students hear inspirational stories of teen entrepreneurs who have turned their ideas into reality, and then they plan and execute their own business.</p>
<p>Career Investigations This course allows students to explore career options and begin investigating career opportunities. Students assess their roles in society, identify their roles as workers, analyze their personal assets, complete a basic exploration of career clusters, select career pathways or occupations for further study, and create an Academic and Career Plan based on the their academic and career interests. This course also helps students identify and demonstrate the workplace skills that employers desire in their future employees.</p>	

Family and Consumer Sciences

<p>Independent Living 18 Weeks or 36 Weeks Students in Independent Living build life skills focusing on establishing positive relationships, balancing work and family life, investigating careers, making responsible consumer choices, applying nutrition and wellness knowledge, and studying child development and parenting</p>	<p>Nutrition & Wellness 18 Weeks 36 Weeks Students enrolled in Nutrition and Wellness focus on making choices that promote wellness and good health; analyzing relationships between psychological and social needs and food choices; choosing foods that promote wellness; obtaining and storing food for self and family; preparing and serving nutritious meals and snacks; selecting and using equipment for food preparation; and identifying strategies to promote optimal nutrition and wellness of society. Critical thinking, practical problem solving, and entrepreneurship opportunities within the area of nutrition and wellness are emphasized.</p>
<p>Introduction to Culinary Arts I <i>Prerequisite: Teacher Recommendation and Nutrition and Wellness Course</i> The Introduction to Culinary Arts curriculum provides students with opportunities to explore career options and entrepreneurial opportunities within the food service industry. Students investigate food safety and sanitation, explore culinary preparation foundations, practice basic culinary skills, explore diverse cuisines and service styles, investigate nutrition and menu development, and examine the economics of food. The curriculum places a strong emphasis on science and mathematics knowledge and skills. This course is a lead course to the Culinary program at NNTC.</p>	

NORTHERN NECK TECHNICAL CENTER

A Northern Neck Technical Center Application must be completed and submitted by all students enrolling in the following programs. All students must be 16 years old on or before December 1st of the current school year to enroll in a NNTC program of studies. Students receive 3 credits for each class.

One Year Courses	Two Year Courses
Nursing (Dual Enrollment)	Auto Body
Horticulture	Auto Technology
Landscaping	Carpentry/Residential Construction
Civil Engineering (One Semester) Eng. Design & Development (One Semester)	Computer Systems Technology
	Cosmetology
	Culinary Arts (Dual Enrollment)
	Electricity
	Marine Trades

All completers are required to take an industry certification test for a verified credit