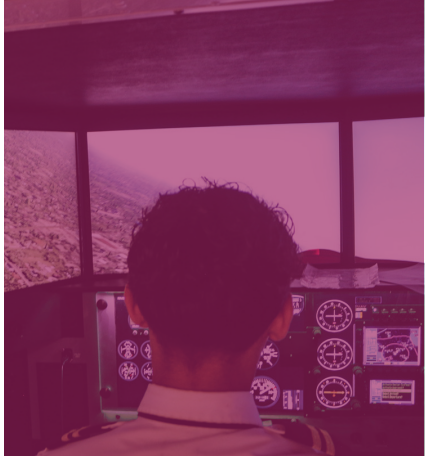








Eastern Suffolk BOCES

PROGRAM CATALOG







CTE CAREER & TECHNICAL EDUCATION

LCE LOCAL CAREER EDUCATION







A LETTER FROM OUR DIRECTOR



Welcome to The Academy, where young adults can find their future and discover a world of possibilities! We invite you to explore our exciting range of Career and Technical Education (CTE) programs, as well as our Local Career Education (LCE) programs, all designed to ignite curiosity, build essential skills, and open doors to countless opportunities.

At The Academy, we believe in more than just teaching; we empower students to take charge of their futures. Whether students are passionate about healthcare, construction trades, culinary arts, art, design, automotive technology (just to name a few), our programs provide hands-on learning experiences that bring their passions to life. With state-of-the-art facilities, industry-experienced certified teachers, and real-world learning opportunities, our students graduate as young professionals equipped with the knowledge and skills needed to thrive in a competitive landscape.

As the world continues to evolve, we remain committed to ensuring that every student has access to the tools and experiences they need to succeed—whether they choose to enter the workforce, pursue higher education, or embark on entrepreneurial ventures, we believe in dreaming big and equipping to turn those dreams into reality.

This catalog offers a glimpse into exciting journeys in various fields, each designed not only to build professional expertise but also to foster confidence, creativity, and leadership. We are here to support you and your students throughout this exploration. If you have any questions or would like to see our programs in action, we invite you to connect with us for a tour of our cutting-edge facilities.

Thank you for guiding our future leaders! Together, we nurture curiosity, foster skills, and build confidence in students as they prepare to become the next generation of professionals.

Sincerely,

BARBARA EGLOFF
Director
Career, Technical and Adult Education

LEADERSHIP TEAM FOR CAREER, TECHNICAL AND ADULT EDUCATION

District Superintendent
JASMIN VARELA, Ed.D.
(631) 687-3006

Chief Operating Officer
DAVID WICKS
(631) 687-3006

Associate Superintendent for Educational Services
CLAUDY DAMUS-MAKELELE
(631) 687-3056

Director
BARBARA EGLOFF
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(631) 419-1655

Program Administrator
TANYA A. LONG, Ph.D.
(631) 419-1628

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MICHAEL VIVIANO
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• • • •

Gary D. Bixhorn Technical Center

Nicole Zergebel
Principal
(631) 286-6500

Phillip Fisher
Assistant Principal
(631) 286-6500

Edward J. Milliken Technical Center

Chanelle Cox, Ed.D.
Principal
(631) 244-5800

Chris D'Ambrosio
Assistant Principal
(631) 244-5800

Harry B. Ward Technical Center

Kevin Bernier
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Denise McAuliffe
Assistant Principal
(631) 369-8100

Islip Career Center

Kristyn Kealey
Principal
(631) 244-5900

Alysse Graziano
Assistant Principal
(631) 244-5900

EASTERN SUFFOLK BOCES VISION STATEMENT

Educational Services that Transform Lives

EASTERN SUFFOLK BOCES MISSION STATEMENT

Eastern Suffolk Board of Cooperative Educational Services (ESBOCES), an inclusive educational agency of 51 Long Island school districts, provides leadership, advocacy, direct instruction, management, and support - locally, regionally, and across New York State. Our diverse community consists of learners of all ages and abilities supported by dedicated educators, support staff, families, and community partners. We are committed to building bridges and unique pathways by reimagining educational services to ensure success for all through accessibility, dignity, and equitable outcomes.

EASTERN SUFFOLK BOCES DIVISION OF EDUCATIONAL SERVICES MISSION STATEMENT

Eastern Suffolk BOCES Educational Services Division, in partnership with the community, is dedicated to meeting the needs of diverse, lifelong learners by providing a full spectrum of cost-effective educational and career learning programs and services. These services include those that empower school districts and other educational providers to build capacity for teaching and learning, ensure equitable access to the best education for all students and achieve excellence. The programs enrich life and maximize potential within the community and work force. We are committed to quality, communication, research, respect, safety and attention to our continually changing world.

CAREER AND TECHNICAL EDUCATION PHILOSOPHY STATEMENT

The Constitution of the State of New York, the Laws of New York State and Regulations of the Commissioner of Education in New York State require that Career and Technical Education programs be made available to residents of New York State. The Boards of Cooperative Educational Services of New York State provide quality Career and Technical Education for secondary students and adults.

The primary goals of Career and Technical Education are to:

- Develop marketable career and technical skills in all students
- Educate students in programs implemented with current NY State standards
- Prepare completers to meet the challenging needs of business and industry

NON-DISCRIMINATION STATEMENT

Eastern Suffolk BOCES does not discriminate against any employee, student, applicant for employment, or candidate for enrollment on the basis of sex, gender, race, color, religion or creed, age, weight, national origin, marital status, disability, sexual orientation, gender identity or expression, transgender status, military or veteran status, domestic violence victim status, genetic predisposition or carrier status, or any other classification protected by Federal, State, or local law. This policy of nondiscrimination includes: access by students to educational programs, student activities, recruitment, appointment and promotion of employees, salaries, pay, and other benefits. ESBOCES also provides equal access to the Boy Scouts and other designated youth groups. ESBOCES fully complies with all applicable rules and regulations pertaining to civil rights for students and employees (e.g., Title IX of the Education Amendments of 1972, §504 of the Rehabilitation Act of 1973, Titles VI and VII of the Civil Rights Act of 1964, Dignity for All Students Act, §303 of Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and the Boy Scouts of America Equal Access Act of 2001). Inquiries regarding the implementation of the above laws should be directed to either of the ESBOCES Civil Rights Compliance Officers at ComplianceOfficers@esboces.org: the Assistant Superintendent for Human Resources, (631) 687-3029, or the Associate Superintendent for Educational Services, (631) 687-3056, 201 Sunrise Highway, Patchogue, NY 11772. Inquiries may also be addressed to the Office for Civil Rights at the US Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005, (646) 428-3800, OCR.NewYork@ed.gov.

Eastern Suffolk BOCES

DID YOU KNOW?

149 ARTICULATION/DUAL AGREEMENTS WITH UNIVERSITIES, COLLEGES, UNIONS & TRADE SCHOOLS

OVER 600

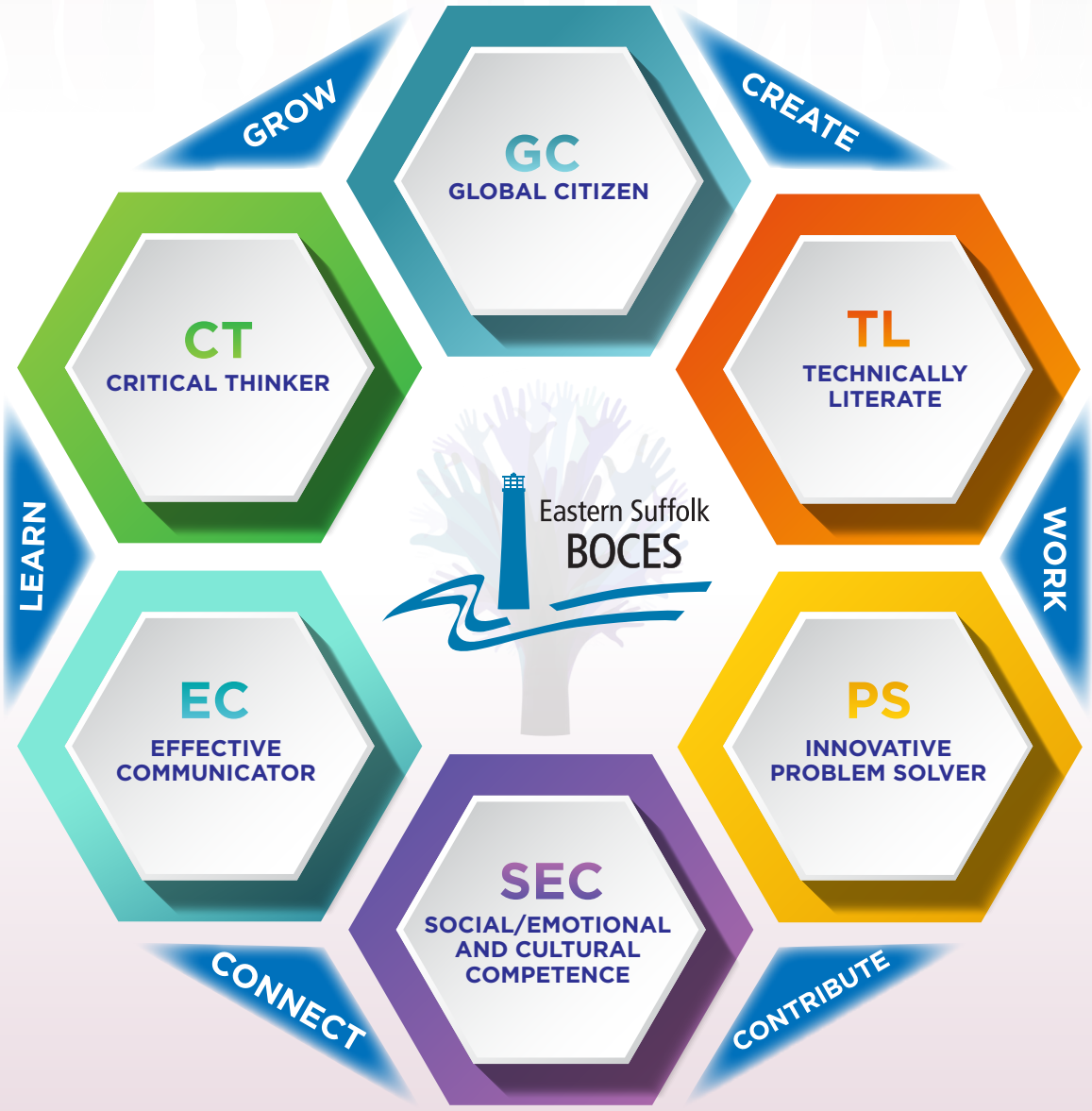
BUSINESS & INDUSTRY PARTNERS
HELPING OUR STUDENTS BECOME
CAREER-READY

40 INDUSTRY CERTIFICATIONS

OVER 113,000

STUDENTS IN NEW YORK STATE TAKE
A CTE PROGRAM TO BECOME
CAREER & COLLEGE READY

PORTRAIT OF A COMPLETER



The Career, Technical and Adult Education (CTAE) department at Eastern Suffolk BOCES is dedicated to preparing all students for success in a rapidly changing world. Our programs focus on developing well-rounded individuals who are not only skilled in their chosen trades, but also equipped with the essential competencies outlined in our Portrait of a Completer. These elements include:



GLOBAL CITIZEN: Our completers understand and appreciate global interconnections, recognizing the impact of their decisions on local and international communities. They are culturally aware and committed to social responsibility, actively participating in initiatives that promote sustainability and equity.



TECHNICALLY LITERATE: Students possess a strong foundation in technology relevant to their fields. They are proficient in using current tools and applications, adapting to new technologies with ease, and applying technical knowledge to solve real-world problems efficiently.



INNOVATIVE PROBLEM SOLVER: Our completers are trained to approach challenges creatively and resourcefully. They employ critical thinking and design thinking methodologies to develop innovative solutions, demonstrating resilience and flexibility in the face of obstacles.



CRITICAL THINKER: Students are encouraged to analyze information rigorously, evaluate different perspectives, and make informed decisions. They possess the ability to synthesize information and apply reasoning to complex situations, ensuring effective and thoughtful outcomes.



EFFECTIVE COMMUNICATOR: Communication skills are paramount in today's workforce. Our completers excel in articulating ideas clearly and persuasively, whether through written, verbal, or digital means. They collaborate effectively with diverse groups, fostering teamwork and mutual respect.



SOCIAL/EMOTIONAL AND CULTURAL COMPETENCE: Recognizing the importance of emotional intelligence, our students are equipped to understand and manage their own emotions as well as empathize with others. They appreciate diversity and are prepared to interact respectfully and inclusively with individuals from various backgrounds.

Eastern Suffolk BOCES

This comprehensive approach ensures that our CTAE completers are not only workforce-ready but also prepared to be conscientious citizens and leaders in their communities. Through our programs, we empower all students to thrive in their careers and contribute positively to society. Whether a student comes to us in high school, as an adult, or along any path toward employment training, we work to equip each student with these vital competencies.



GENERAL STATEMENT ON CTE ADMISSIONS

ESBOCES Career & Tech Academy programs are offered as a prescribed New York State pathway for Career and Technical Education. These programs provide secondary students with specified CTE graduation requirements that can also lead to entry-level employment and post-secondary education. All students have the right of accessibility to programs of instruction available at The Academy within the Supervisory District. Students in grades 11 and 12 may be eligible for admission to The Academy pending the outcome of the admissions screening process.

ACADEMY REGISTRATION PROCEDURES

The registration process begins with the completion and submission of an Intake Application Form.

1. The most current, official ESBOCES Career & Tech Academy Intake Application Form can be found on The Academy website. It must be completed and signed by the student, parent/person in parental relation, and where indicated, by district officials. All Intake Application Forms should be completed and delivered to the Admissions Department by the 1st Monday of March. Please note, the current grade level of the student should be used on the application.

2. The Intake Application Form must be accompanied by following: the student's most current high school transcript; the student's attendance summary for the current school year only; the student's disciplinary records for the current school year only; a copy of the student's IEP and psychological report, if applicable. If a student is classified as an ELL, their most recent NYSESLAT score and proficiency level must accompany their application.

Applications can be submitted online through the ESBOCES Courier.
Paper applications, with accompanying information, should be sent to:

ESBOCES Career & Tech Academy
Admissions Department
Instructional Support Center @ Sequoya
750 Waverly Avenue
Holtsville, New York 11742

FAILURE TO SUBMIT REQUIRED DOCUMENTATION WILL RESULT IN AN APPLICATION PROCESSING DELAY

3. Each application will undergo an Admissions Review process by the Admissions Review Committee to determine appropriate student placement. The home school district will receive an enrollment confirmation or a second placement option from The Academy.

4. Applications from non-public school students require the application have the approval of the home school district included on the Intake Application Form as stated in #1 above. Home schooled students should contact their home school district for further information.

5. Recent graduates of the supervisory district who have graduated high school or are 18 years or older may enroll in a secondary program provided there is an open seat. An Intake Application Form including a recent high school transcript must be submitted. Applications must be returned to The Academy Admissions office (see address above).

6. If a parent or District counselor would like to appeal the determination made by The Academy, the parent and/or District may request a meeting with the program's Principal to review the Committee's findings. For further information, please contact one of The Academy Guidance offices listed on page 12.

SECONDARY TECHNICAL EDUCATION COURSE LISTING BY LOCATION

PROGRAM	BTC GARY D. BIXHORN TECHNICAL CENTER	MTC EDWARD J. MILLIKEN TECHNICAL CENTER	WTC HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
Animal Science	✓			
Audio Production		✓	✓	
Auto Body Repair & Car Customizing		✓	✓	
Automotive Technology		✓	✓	
Aviation/Professional Pilot Training	✓			
Barbering	✓			
Carpentry/Residential Construction & Home Improvement*	✓			❖
Certified Personal Trainer	✓			
Clinical Medical Assisting**		✓	✓	❖
Commercial Design & Visual Communications	✓			
Computer Repair & Networking	✓			
Cosmetology***		✓	✓	❖
Culinary Arts/Restaurant Operations Management		✓	✓	
Dental Chairside Assisting	✓			
Digital Photography & Related Media	✓			
Early Childhood Education		✓	✓	
Electrical Trade & Alternative Energy	✓	✓	✓	
Emergency Medical Technician	✓			
Fashion Design & Merchandising	✓			
Heating, Ventilation & Air Conditioning (HVAC)	✓	✓	✓	
Law Enforcement	✓	✓	✓	
Marine/Motorsports Technology	✓			
Nurse Assisting		✓	✓	
Physical Therapy Aide	✓			
Plumbing	✓			
Practical Nursing	✓			
Television, Video & Digital Film Production	✓			
Welding/Metal Fabrication		✓	✓	

❖ In-district courses at Brentwood, Southampton, Mattituck, and East Hampton High School

*Also located at Southampton & Mattituck High Schools

**Also located at Southampton High School

***Also located at Brentwood High School

COURSE CREDIT

Every NYSED-approved Career & Technical Education (CTE) program at The Academy allows credits earned to be awarded as CTE (elective) credits or to be distributed to other graduation requirement areas. Additionally, NYSED has indicated that CTE certified programs satisfies the personal finance instructional requirement.

CTE courses at The Academy are NYSED-approved with the required 0.5 credit of Career and Financial Management (CTE) integrated within the course content. Superintendents or designee of a student's home district will determine how to distribute credits and how to indicate earned credits on student transcripts. For instance, a student's home district may distribute all earned credits as CTE credits; a district may show the .5 CFM credit on the transcript and distribute the remaining credits to CTE; a district may distribute credits to the academic content area(s) for which a program is approved **in the year the student completes the approved program of study** and distribute the remaining credits to CTE; or any combination of scenarios, provided they align with the individual program's NYSED approval and the 5 credit/4 credit totals for Year 1 and Year 2, respectively. Students who successfully complete a single semester (two quarterly marking periods) may be awarded two (2) units of elective credit at a district's discretion.



The following table includes possible credit distribution by program, as per NYSED approval. Programs are listed with the corresponding enrollment year in which a student can apply earned credits to areas other than CTE. Those with "Year 1" next to the program name are approved as a one-year program and offer an optional second year, when students can earn only elective credits; those with "Year 2" are approved as two-year programs, and credits earned during the first year can only be applied to elective requirements; those with no year indicated are offered for one year only. All approved programs offer the ability to apply .5 credit to Career and Financial Management (CTE).

CREDIT STATUS CHART	NYSED-APPROVED CREDIT DISTRIBUTION				
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MGMT .5 CREDIT	OTHER
Animal Science – Year 1 (1 year = 3.5 academic credits)	✓	✓	✓	✓	
Audio Production – Year 1 (1 year = 2.5 academic credits)	✓		✓	✓	
Auto Body Repair & Car Customizing – Year 2 (2 years = 3.5 academic credits)	✓	✓	✓	✓	
Automotive Technology – Year 2 (2 years = 3.5 academic credits)	✓	✓	✓	✓	
Aviation/Professional Pilot Training – Year 2 (2 years = 3.5 academic credits)	✓	✓	✓	✓	
Barbering (1 year = 2.5 academic credits)	✓		✓	✓	
Carpentry/Residential Construction & Home Improvement – Year 2 (2 years = 2.5 academic credits)	✓	✓		✓	
Certified Personal Trainer – Year 1 (1 year = 3.5 academic credits)	✓	✓	✓	✓	
Clinical Medical Assisting (1 year = 4 academic credits)	✓	✓	✓	✓	HEALTH .5 credit
Commericial Design & Visual Communications – Year 1 (1 year = 2.5 academic credits)	✓			✓	ART 1 credit
Computer Repair & Networking – Year 1 (1 year = 1.5 academic credits)	✓			✓	

COURSE CREDIT / CTE BENEFITS

CREDIT STATUS CHART	NYSED-APPROVED CREDIT DISTRIBUTION				
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MGMT .5 CREDIT	OTHER
Cosmetology – Year 2 (2 years = 2.5 academic credits)	✓		✓	✓	
Culinary Arts/Restaurant Operations Management – Year 2 (2 years = 3.5 academic credits)	✓	✓	✓	✓	
Dental Chairside Assisting (1 year = 3 academic credits)	✓		✓	✓	HEALTH .5 credit
Digital Photography & Related Media – Year 1 (1 year = 2.5 academic credits)	✓			✓	ART 1 credit
Early Childhood Education – Year 1 (1 year = 1.5 academic credits)	✓			✓	
Electrical Trade & Alternative Energy – Year 2 (2 years = 3.5 academic credits)	✓	✓	✓	✓	
Emergency Medical Technician – Year 1	TBD				
Fashion Design & Merchandising – Year 1 (1 year = 3.5 academic credits)	✓	✓		✓	ART 1 credit
Heating, Ventilation & Air Conditioning – Year 1 (1 year = 3.5 academic credits)	✓	✓	✓	✓	
Law Enforcement – Year 1 (1 year = 1.5 academic credits)	✓			✓	
Marine/Motorsports Technology – Year 2 (2 years = 3.5 academic credits)	✓	✓	✓	✓	
Nurse Assisting (1 year = 4 academic credits)	✓	✓	✓	✓	HEALTH .5 credit
Physical Therapy Aide (1 year = 4 academic credits)	✓	✓	✓	✓	HEALTH .5 credit
Plumbing – Year 1 (1 year = 3.5 academic credits)	✓	✓	✓	✓	
Practical Nursing (1 year = 4 academic credits)	✓	✓	✓	✓	HEALTH .5 credit
Television, Video & Digital Film Production – Year 1 (1 year = 1.5 academic credit)	✓			✓	
Welding/Metal Fabrication – Year 1 (1 year = 3.5 academic credit)	✓	✓	✓	✓	

SCAN HERE FOR CURRENT CTE COURSE CREDIT LISTING

All Course offerings are dependent upon adequate enrollment

COUNSELORS

GARY D. BIXHORN TECHNICAL CENTER
Albana Esposito - (631) 286-6515 • aesposit@esboces.org
Nicole Feldman - (631) 286-6516 • nfeldman@esboces.org

EDWARD J. MILLIKEN TECHNICAL CENTER
Paula Arbelaez-Stone - (631) 244-5810 • parbelae@esboces.org
Holli Alicanti - (631) 244-5820 • halicant@esboces.org

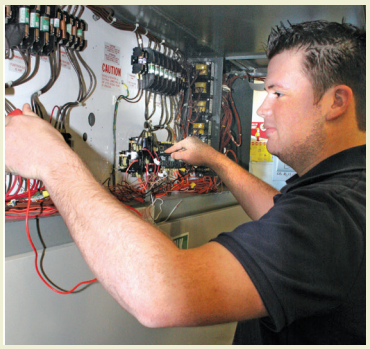
HARRY B. WARD TECHNICAL CENTER
Mai Lan Boyce-Hurst - (631) 208-2038 • mhurst@esboces.org

DUAL ENROLLMENT



The ESBOCES Career & Tech Academy offers high school students the opportunity to earn college credit while attending select CTE programs.







Through Dual Enrollment Programs, courses are taught by our college-approved teachers. These classes have the same curriculum and requirements as those offered on a college campus. Students who enroll and successfully complete the class earn credits that count toward high school graduation as well as college credit for the course. These college credits can be applied at a college or transferred to another college or university.









DUAL ENROLLMENT

Advantages of Dual Enrollment

- Students who participate in a Dual Enrollment Program are more likely to graduate from high school, enroll in college, earn higher grade point averages and complete college degrees.
- Dual Enrollment courses bear the same quality and quantity of credits as courses offered on campus but at reduced tuition.
- Dual Enrollment students receive grades and feedback throughout the course to support student success.
- Dual Enrollment courses taken in high school may fulfill college degree requirements, serve as electives, or fulfill prerequisite requirements. This may allow students to graduate earlier or earn credits toward additional concentrations, minors, or majors.
- Dual Enrollment courses show colleges that you are a motivated student who has pursued challenging opportunities.

Post-Secondary Pathways: Articulation Agreements & Dual Enrollment

This is a dynamic list that is constantly updated. Additional courses may be added throughout the school year. Please scan the QR code for the most current listing of Dual Enrollment opportunities.

What is the cost of taking a course through Dual Enrollment?

The cost is determined by each college offering a dual enrollment opportunity. Typically, costs are approximately a third of the regular tuition rate. As an example, in 2026, students enrolled in Suffolk County Community College's Dual Enrollment program paid $65 per credit hour/$195 per 3-credit course, and the posted tuition for Suffolk County residents taking courses directly at the college was $252 per credit.

When can I register?

Please see your ESBOCES Counselor for registration deadlines.

Course Information and Grades

Dual Enrollment course and grade information is provided by the college/university and will be shared with prospective students/families by The Academy during the enrollment window. Information regarding transcript requests upon successful completion of Dual Enrollment coursework will also be contained with course and grade information.

**TRANSFER STATEMENT: While many colleges accept college credits when a grade of C or higher is earned, each college sets its own transfer policy. If you are planning to attend a college other than the college offering the Dual Enrollment Program, we recommend you check the transfer policy of that institution before enrolling.*

ARTICULATION AGREEMENTS

The following colleges have historically offered college credit or waivers for students successfully completing any ESBOCES The Academy programs and who meet the criteria required by each college.

- Five Towns College
- Harcum College
- SUNY Morrisville
- Canton (State University of New York)
- College of Agriculture and Technology at Cobleskill (State University of New York)
- College of Technology at Delhi (State University of New York)
- State University of New York Jefferson
- Buffalo State (The State University of New York)
- Alfred State College of Technology (State University of New York)
- Lincoln Technical Institute
- New England Institute of Technology
- NYADI The College of Transportation Technology
- Suffolk County Community College
- UNOH
- Culinary Institute of America
- SUNY Sullivan
- Electrical and HVAC/R Training Center for a Brighter Future
- Northeast Regional Council of Carpenters
- Adelphi University
- Schenectady County Community College
- Helene Fuld College of Nursing
- Monroe University
- Universal Technical Institute
- Herkimer (State University of New York)
- Nassau Community College
- MVCC Mohawk Valley Community College

Please visit the ESBOCES Academy website for the most recent listing of Articulation Agreements.

ABOUT ESBOCES CAREER & TECH ACADEMY

Academy programs are conducted at the Gary D. Bixhorn Technical Center, Edward J. Milliken Technical Center and Harry B. Ward Technical Center.

CALENDAR

All centers follow the ESBOCES School Calendar. The secondary class schedules for the three centers are as follows:

Gary D. Bixhorn Technical Center, Edward J. Milliken Technical Center, and **Harry B. Ward Technical Center**

- The **morning session** will begin at 7:45am and end at 10:15am (2 hours 30 minutes of instruction)
- The **afternoon session** will begin at 12:00pm and end at 2:30pm (2 hours 30 minutes of instruction)

POLICY ON ATTENDANCE

1. Students will be advised of the attendance policies as stated in the student handbook.
2. Parent/Person in Parental Relation will be contacted regarding excessive absences and component school districts will be provided a copy of all written notices to parents regarding excessive absences.
3. Component school districts will be provided with a weekly attendance report by Admissions until the last Friday in October. After October, these reports will be provided monthly.

MIDDLE STATES ACCREDITATION OF COLLEGES AND SCHOOLS

The Academy has received accreditation from the Middle States Association of Colleges and Schools (MSA). MSA was established in 1887 and is a non-governmental, non-profit, peer-administered organization that provides leadership in school improvement for its member schools. Each Technical Center underwent a comprehensive Accreditation for Growth Self-Study and has developed appropriate program mission statements as well as academic and behavioral student performance objectives. Action plans were developed and implemented by each site to help in meeting the objectives identified and to assist in overall school improvement plans. Middle States Validation Teams completed evaluations of The Academy's programs.

For additional information about our Accreditation for Growth process, please contact the building principal at their respective sites.

GARY D. BIXHORN TECHNICAL CENTER
Nicole Zergebel (631) 286-6500

EDWARD J. MILLIKEN TECHNICAL CENTER
Chanelle Cox, Ed.D. (631) 244-5800

HARRY B. WARD TECHNICAL CENTER
Kevin Bernier (631) 369-8100



REPORTS TO DISTRICTS

DISTRICT ROSTERS
Rosters are issued several times during the school year to District Contact Personnel to permit component districts and The Academy to reconcile enrollment rosters. Prior to the closing of school in June, the District Roster for the ensuing school year is sent to District Contact Personnel from The Academy's Admissions Office.

DAILY/WEEKLY ATTENDANCE REPORTS
Designated personnel at each district receive weekly copies of our attendance reports. The report contains: daily absences, building assignment, current status (add, withdrawn), and cumulative absence record.

QUARTERLY GRADE REPORT
These are prepared for each student and made available via the Parent Portal. A comprehensive report listing student grade information is sent to each District.

CUMULATIVE TRANSCRIPT
Upon District request, a cumulative transcript (unofficial) will be issued for each student at the conclusion of the school year.

EMPLOYABILITY PROFILE
This is prepared and issued along with the Certificate of Completion to each student who successfully completes program requirements.

DISTRICT CONTACT MEETINGS

All District Contact Personnel for secondary programs are invited to meet three times a year with Academy staff to learn about new program offerings, changes in policies and to discuss common concerns. In addition, each Fall, a New Counselor Workshop is offered to familiarize first-time counselors, with the The Academy's policies and procedures.



SCHOOL ORGANIZATIONS

SkillsUSA
SkillsUSA is a national student organization designed to provide opportunities to develop excellence in skills and leadership. SkillsUSA offers co-curricular activities to enhance the training and education experiences of students at regional, state, national, and international competitions.

National Technical Honor Society (NTHS)
Each Technical Center sponsors a chapter of the NTHS. Students who exhibit outstanding academic excellence (90% or above), outstanding attendance (no more than 6 days absent), and good citizenship within the chosen The Academy program qualify for possible nomination.

Eastern Suffolk BOCES

DID YOU KNOW?

99% **GRADUATION RATE** OF NEW YORK HIGH SCHOOL STUDENTS PARTICIPATING IN CTE PROGRAMS

91% **POST-PROGRAM PLACEMENT RATE** OF NEW YORK CTE HIGH SCHOOL STUDENTS

99% OF OUR STUDENTS COMPLETED AT LEAST **54 HOURS OF WORK-BASED LEARNING** IN THEIR PROGRAM

ESBOCES CTE PROGRAMS
APPROVED BY NYSED FOR
CTE TECHNICAL ENDORSEMENT SEALS













WORK-BASED LEARNING

RELEVANT • REAL-WORLD • MEANINGFUL • HANDS-ON

Through dynamic school/business partnerships, carefully designed and supervised work-based learning experiences assist students in honing technical proficiencies and polish professional skills, giving them the essential edge to successfully compete in today's global and local workplace market.

Eastern Suffolk BOCES does not discriminate against any employee, student, applicant for employment, or candidate for enrollment on the basis of sex, gender, race, color, religion or creed, age, weight, national origin, marital status, disability, sexual orientation, gender identity or expression, transgender status, military or veteran status, domestic violence victim status, genetic predisposition or carrier status, or any other classification protected by Federal, State, or local law. ESBOCES also provides equal access to the Boy Scouts and other designated youth groups. Inquiries regarding the implementation of the applicable laws should be directed to either of the ESBOCES Civil Rights Compliance Officers at ComplianceOfficers@esboces.org: the Assistant Superintendent for Human Resources, 631-687-3029, or the Associate Superintendent for Educational Services, 631-687-3056, 201 Sunrise Highway, Patchogue, NY 11772. Inquiries may also be addressed to the Office for Civil Rights at the US Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005, 646-428-3800, OCR.NewYork@ed.gov.

WORK-BASED LEARNING

According to the Work-Based Learning (WBL) Manual from the New York State Education Department (NYSED):

> Work-based learning is authentic learning experiences that allow students to explore their career goals, abilities, and interests while applying their academic and technical knowledge and skills in a real-world context. These experiences are planned and supervised by instructional staff in collaboration with business, industry, or community partners. High quality work-based learning will provide effective and equitable experiences to empower all students to become confident workers and culturally competent citizens of New York State (p. 3).

ESBOCES students can select from a wide array of work-based learning experiences that take place in the workplace as well as the classroom. According to NYSED, there are three component areas of Work-Based Learning—Career Awareness, Career Exploration, and Career Development—with each area providing a focus on various opportunities that grow in-depth as students' interests, capacities, and experience increase throughout their program.

A Workplace Mentor is designated as the advocate for a particular student and who works in consultation with classroom teachers, counselors, related service personnel, and the employer of the student to design and monitor the progress of the school-to-work activities of the student. Students can select from:

CAREER AWARENESS OPPORTUNITIES

(Can count towards 20 hours of WBL)

CAREER FAIRS	CAREER INTEREST ASSESSMENTS	GUEST SPEAKER VISITS	INDUSTRY-RELATED CREDENTIALING	INDUSTRY TOURS

CAREER EXPLORATION OPPORTUNITIES

- **Community Service** is an instructional method combining community service with school-based reflection, emphasizing the connections between the service and academic learning. Though activities vary, most programs balance student's need to learn with recipient's need for service. Students and recipients each benefit.
- **Industry-Based Projects** are customer service activities in the classroom, supervised by an instructor/teacher.
- **Job Shadowing** student follows an employee at a business (one or more days) to learn about a particular occupation/industry.

CAREER DEVELOPMENT OPPORTUNITIES

- **CO-OP or Cooperative Work Experience** combines career and technical classroom study with paid productive work in a field related to the student's academic and career goals. Cooperative work experience enhances a student's technical, interpersonal and decision-making skills through a carefully designed and supervised training plan. By providing a dynamic school-business partnership, cooperative work experience helps students develop the professional skills necessary to compete in today's challenging workplace. It is also sometimes referred to as work study.
- **Internships** are structured, unpaid work-based learning experiences which allow students to intern for a limited period of time. Interning affords the student the opportunity to concurrently explore a career field, develop skills, and network with professionals in the industry.
- **Supervised Clinical Experience** clinical experience under direct supervision of the teacher. The student practices skills taught in class/lab, including communication and assessment, total patient care, vital signs, bed-making, aseptic technique and documentation.

ADDITIONALLY...

Career Counseling and Transition Services are provided through individual and group counseling that includes career decision-making, employability skills, and personal adjustment. Additional guidance support services are provided to students with disabilities that have been mainstreamed into a program at The Academy. School-To-Career Transition services are also available to all students who require assistance to successfully bridge the transition from school to the world of work. The content includes such areas as finding employment, filling out job applications, completing resumes, interviewing skills, appropriate work-related attitudes, and internship opportunities. Throughout all, communication with parents and district guidance counselors is maintained, and progress is updated on a regular basis (see page 17 for reporting cycles).

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Agriculture, Food, & Natural Resources

A student enrolled in an agricultural CTE program develops an awareness of the scope and importance of the industry through the study of agricultural units and concepts, career opportunities, and personal development. This diverse CTE area may include topics from any of the following areas: general agriculture and production, agricultural business, agricultural mechanics/machinery, animal science/animal production/management, plant science/horticulture, natural resources, conservation, forestry, biotechnology, and related. Students are also encouraged to develop leadership, career, and technical skills through FFA and SAE/WBL opportunities and experiences.

Agriculture, Food & Natural Resources

Discover your inner animal lover!



If providing high-quality, humane care to animals during all stages of their lives is important to you, consider a career in animal science.

Job opportunities in the field of

ANIMAL SCIENCE

are surprisingly diverse, including veterinary care, grooming, retail store services, pet-sitting, behavioral training, the pet food industry, humane societies, bio-medical laboratories, marine and theme parks, wildlife refuges and zoos.

This program provides you hands-on (WBL) experience with animals at the Cornell Cooperative Extension.





ANIMAL SCIENCE

COURSE CODE 18101

CIP CODE 51.0808

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Animal Science is designed to prepare students who are pursuing animal-related careers and can be used as a college-preparatory course for those interested in furthering their education in applied sciences.

This course provides students with the opportunity to work with a wide variety of animals. Classroom environment simulates procedures performed in veterinary hospitals, grooming shops, and kennel facilities. Students are also provided with hands-on experience with farm animals at the Cornell Cooperative Extension and at a local horse farm.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
ANIMAL SCIENCE (1 YEAR)	01156	02152	03061	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
ANIMAL SCIENCE (1 YEAR)	✓			

CERTIFICATION OPPORTUNITIES

New York State Department of Environmental Conservation Wildlife Rehabilitator

SUGGESTED SUPPORTIVE COURSES

Living Environment

APPROXIMATE COSTS

- Uniforms: $60
- Tools: $50-$60
- Industry Certifications: up to $300

COURSE CONTENT - FIRST YEAR

- Comparative Anatomy and Physiology
- Introduction to Grooming
- Handling and Restraining Techniques
- Animal Husbandry
- Animal Behavior
- Parasitology
- Introduction to Pharmacology
- Reproductive Management

COURSE CONTENT - SECOND YEAR (OPTIONAL)

- Equine Science
- Advanced Grooming
- Exotic Animal Care and Handling
- Diagnostic Procedures
- Surgical Nursing
- Marine Science
- Diagnostic Testing

CAREER OPPORTUNITIES

- Zoos and Wildlife Facilities
- Aquariums
- Veterinary Hospitals
- Kennels
- Farms
- Grooming Facilities
- Humane Societies and Animal Control Facilities
- Animal Shelters
- Diagnostic Laboratories
- Spay and Neuter Clinics
- Bio-Medical Research Facilities
- Equine Facilities

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

CHANGING THE CTE NARRATIVE

The words we use matter. They shape how students, families, and industry partners perceive CTE—reinforcing its modern, high-skill reality rather than outdated notions.

THEN *and* NOW

THEN	NOW
Vocational Education • Narrow, outdated view of hands-on skills • Often perceived as less competitive	**Career & Technical Education (CTE)** • Dynamic, broad field of education • Prepares students for advanced careers and higher education
Vo-Tech or BOCES Center • Institutional, potentially misunderstood as "alternative education"	**CTE Center or Center of Excellence** • Modern hub for career training and academic integration • Emphasizes excellence and opportunity
Instructors • Traditional and passive terminology • License or Certification not required	**Industry Expert Teachers** • Professionals with real-world experience • Leaders in industry and education • Licensed and/or Certified in the profession by NYSAIS
Vo-Tech Shop • Outdated image of manual, hands-on tasks	**CTE Lab** • Advanced, technology-driven environments • Emphasizes innovation and applied learning
Class or Course • Implies a single, standalone offering	**Program of Study** • Structured, multi-credit educational pathway • Combines academic and technical skills
Tech or Vo-Tech Kids • Narrow, reductive label for a limited type of student	**Young Professionals or Talented Students** • Reflects diversity of skills and aspirations • Attracts a broad range of students
Entering into the Workforce • Suggests any job to earn income, short-term focus	**Starting a Career In…** • Highlights long-term growth, professional identity, and alignment with skills and passions

ADAPTED FROM:

MICHELE M. FRIEDMAN

EXECUTIVE DIRECTOR OF CAREER & TECHNICAL EDUCATION, CEWW BOCES, NY

PRESIDENT, NYS ASSOCIATION OF CAREER & TECHNICAL EDUCATION ADMINISTRATORS

www.esboces.org



Architecture & Construction

The Architecture & Construction cluster focuses on professions involved in designing, planning, managing, and executing projects in the built environment. It emphasizes sustainable building practices to ensure that structures are both environmentally responsible and resilient. Careers in this cluster are pivotal in creating durable infrastructure that meets present needs without compromising future generations' ability to meet their own, covering a range of roles from architects and engineers to construction managers and skilled tradespeople.

CARPENTRY/RESIDENTIAL CONSTRUCTION & HOME IMPROVEMENT

A good career is built on a **SOLID FOUNDATION!**



Growth in the industry has resulted in greater demand for skilled construction workers. Become familiar with the tools used in commercial construction as well as the materials used by builders, including lumber, concrete, drywall, roofing, fasteners, and a wide variety of hardware. Over the course of a two-year program, students will tackle numerous hands-on projects, including full construction of a residential building. Qualifying students will have the opportunity to earn enhanced eligibility toward a five-year apprenticeship with the Empire State Regional Council of Carpenters Apprenticeship Program.



"YOU'LL LEARN HOW IT WILL BE IN THE REAL WORLD."

— PROGRAM COMPLETER





CARPENTRY/RESIDENTIAL CONSTRUCTION & HOME IMPROVEMENT

COURSE CODE 17003

CIP CODE 46.0201

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:
The carpentry program is a combination of hands-on skill development and technical training in order to prepare students for entry-level employment or higher in residential construction, home improvement, and related fields. Students will actively build and/or renovate a three-bedroom, Energy Star®-rated ranch on-site using Brookhaven Town and Energy Star® building codes. Both renovation and alteration of existing residential structures are taught, and students evaluate their own work and keep an active portfolio as well as a notebook.

Students will have the opportunity to earn OSHA-10 Department of Labor wallet card. Second-year students will take the OSHA-30 course as well.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
CARPENTRY/RESIDENTIAL CONSTRUCTION & HOME IMPROVMENT	01156	02153		72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
CARPENTRY/RESIDENTIAL CONSTRUCTION & HOME IMPROVMENT	✓			✓

CERTIFICATION OPPORTUNITIES

UNITED BROTHERHOOD OF CARPENTERS CERTIFICATION

OSHA-10, OSHA-30

SUGGESTED SUPPORTIVE COURSES

Algebra, Business, Geometry, Mechanical Drawing, Technology

APPROXIMATE COSTS

- Personal Tools, Work Shoes and Work Jeans: $250
- OSHA-10 Card: $59

COURSE CONTENT

- Floor Framing and Subflooring
- Drywall and Interior Trim to Include Spackle and Tape (Stilt Work)
- Wall Framing Soffits and Fascias
- Roof Framing, Skylights
- Replacing Windows and Doors
- Sheathing, Siding, and Roofing
- Scaffold and Ladder Safety
- Re-Siding and Re-Roofing
- Building Trusses
- Door and Window Installation

CAREER OPPORTUNITIES

- Carpenter, Apprentice, Helper
- Lumber Yard Person
- Roofer
- Siding Mechanic
- Truss Fabricator
- Dock Builder
- Mill Person
- Flooring Installer
- Framer
- Exterior/Interior Trimmer
- Taper/Spackler
- Estimator
- Drywall Installer
- Landscaper/Carpenter
- Home Improvement Contractor

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Architecture & Construction



ELECTRICAL TRADE & ALTERNATIVE ENERGY



MORE POWER TO YOU!

It's an electrified world! From homes to sports stadium to skyscrapers, we all depend on electricians to build and maintain the power systems that make modern life possible. This fast-paced program covers construction-based electrical concepts plus the newest means of generating energy including solar, wind, and geothermal technologies.So "get current" with the leading-edge skills to succeed in this evolving and well-paying field!

ELECTRICAL TRADE & ALTERNATIVE ENERGY

COURSE CODE 17104

CIP CODE 46.0302

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This two-year program is a combination of hands-on skill development and technical training in order to prepare students for entry level employment or higher in the electrical trade. Students gain practice in traditional wiring methods and blueprint reading, as well as learn the latest renewable energy concepts including solar, wind, and geothermal technologies.

Students will have the opportunity to earn OSHA-10 Department of Labor wallet card. Second-year students will take the OSHA-30 course as well.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
ELECTRICAL TRADE & ALTERNATIVE ENERGY	01156	02152	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
ELECTRICAL TRADE & ALTERNATIVE ENERGY	✓	✓	✓	

CERTIFICATION OPPORTUNITIES

OSHA-10, OSHA-30

SUGGESTED SUPPORTIVE COURSES

Students enrolling in this program are expected to show proficiency in math and science by scoring a min. of 80% on the Algebra Regents and a min. of 75% on the Living Environment Regents.

APPROXIMATE COSTS

- Tools: $250
- Footwear: $35
- OSHA-10 Card: $59

COURSE CONTENT

- Series and Parallel Circuits
- Ohm's Law/Power Law
- Electrical Codes
- Alternating Current Theory
- Trade-Related Technical Math
- Residential/Commercial Wiring Methods
- Residential Service Installations
- Basic Troubleshooting Techniques
- Basic Electrical Measurements
- Raceways
- Motor Control Wiring
- Alternative Energy Sources

CAREER OPPORTUNITIES

- Electrician
- Energy Retrofitting Specialist
- Energy Engineer
- Solar Photovoltaic Installer
- Solar Energy Manager
- Data and Telecommunications Technician
- Electrical Power Line Installer/Repairer

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

HEATING, VENTILATION & AIR CONDITIONING (HVAC)



"I learned a trade that could help me secure a well-paying job in the future."

— PROGRAM COMPLETER



FIRE & ICE!

Businesses, industries, and homes all use the services of HVAC technicians. Train for multiple career paths including cooling and heating, control systems and more. You will have an opportunity to earn national licensing, and certification in refrigerant handling from the EPA as well as gas and oil heat servicing certifications from NATE and NORA. Students who qualify may participate in factory-sponsored training by a major HVAC local supplier. Qualifying students may also receive reduced tuition rates and 300 hours of training at a local college.

HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

COURSE CODE 17055

CIP CODE 47.0201

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:
Our program includes the installation, service and repair of air conditioning, cooling, heat pump systems and electrical theory and service. An integral part of this program involves green technologies including geothermal and solar hot water heating, indoor air quality and HEPA filtration, as well as air sealing techniques. Students are prepared to take the EPA Certification Test for the handling of refrigerants.

Students will take the OSHA-10 course in their first year of study with the goal of obtaining the OSHA-10 card. Second-year students will take the OSHA-30 course as well.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
HEATING, VENTILATION AND AIR CONDITIONING (HVAC)	01156	02152	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
HEATING, VENTILATION AND AIR CONDITIONING (HVAC)	✓	✓	✓	

CERTIFICATION OPPORTUNITIES

ENVIRONMENTAL PROTECTION AGENCY (EPA) CLEAN AIR SECTION 608 CERTIFICATION

NATIONAL OIL HEAT RESEARCH ALLIANCE (NORA BRONZE)

NORTH AMERICAN TECHNICAL EXCELLENCE (NATE®), OSHA-10, OSHA-30

SUGGESTED SUPPORTIVE COURSES

Algebra, Science

APPROXIMATE COSTS

- Tools/Equipment: $300
- OSHA-10 Card: $59

COURSE CONTENT

- Residential Air Conditioning
- Electrical Theory
- Marketing
- Controls, Circuits, and Instruments
- Efficiency Rating
- Commercial Refrigeration
- Ice Machines
- Air Conditioning Systems
- Electrical Theory
- Indoor Air Quality
- Freezers and Freezing Systems
- Service Procedures and Troubleshooting
- Air and Duct Sealing
- Air Conditioning Systems
- Energy Efficiency

CAREER OPPORTUNITIES

- Service Technician
- Service Manager
- Installer's Helper
- Parts Manager
- Small Business Owner/Operator
- Air Quality Control Specialist
- Heating and Air Conditioning Mechanic/Installer
- Manufacturer's Representative
- Salesperson
- Labor Union Apprentice

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

PLUMBING

Plumbers, pipefitters, and steamfitters constitute one of the largest groups among the construction occupations. Approximately 55% work for independent contractors while others perform maintenance work for industrial, commercial, and government employers or are self-employed. Job opportunities are expected to be very good, especially for workers with welding experience, and salaries in this profession are among the highest in the construction trades. Students completing this program will earn a Certificate of Completion and may qualify to attain the credential upon successful completion of the exam.





"Very interesting... best school experience."

— PROGRAM COMPLETER



PLUMBING

COURSE CODE 17058

CIP CODE 46.0503

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:
This program is designed for students interested in installing, servicing and repairing of domestic sanitation systems, water heaters and home plumbing systems. Students will also receive training on the latest trade-replace green technology, as well as efficient appliances, retrofitting to increase water efficiency, and resource conservation.

The program uses OSHA standards as the foundation for workplace safety instruction, and students have the opportunity to earn their OSHA-10 card.

CERTIFICATION OPPORTUNITIES

OSHA-10 & OSHA-30

SUGGESTED SUPPORTIVE COURSES

Algebra, Geometry, Physics, Technology

APPROXIMATE COSTS

- Work Clothes $65
- OSHA-10 Card: $59
- Tools/Equipment: $200
- Safety Shoes $50

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
PLUMBING	01156	02152	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
PLUMBING	✓			

COURSE CONTENT

- Installation of water heaters and controls
- Basic plumbing applications
- Planning work and developing material lists from sketches or building plans, isometric drawings, and orthographic views
- Study of local and national plumbing codes and sanitary requirements
- Fixtures for domestic and commercial establishments
- Soldering, solvent welding of PVC and ABS plastic drainage piping, cast iron soil pipe, yarning, and caulking no hub cast iron
- Math applied to plumbing (trade math)
- Installation of plumbing fixtures, drains, waste, and vent lines
- Planning and installation of natural gas and propane systems
- Hydrostatic testing of assembled systems
- Service and repair of domestic plumbing fixtures and appliances
- Safe handling use and maintenance of industry-grade power tools and equipment

CAREER OPPORTUNITIES

- Master Plumber
- Manufacturer Representative
- Industrial Maintenance Mechanic
- Utility Installer
- Water Conservationist
- Plumbing Supply Clerk
- Geothermal Technician
- Water Technician
- Plumber's Apprentice
- Pipe Fitter/Steam Fitter

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST



SkillsUSA®

We're empowering the next generation of skilled professionals and career-ready leaders.

Eastern Suffolk BOCES is a proud participant of Skills USA—a national organization celebrating and showcasing the next generation of skilled professionals and the skilled career paths that are essential to America's future.

SkillsUSA serves over 400,000 career and technical education students and teachers in middle schools, high schools and college/postsecondary institutions nationwide.

Scan here for more information about SkillsUSA.

Eastern Suffolk BOCES does not discriminate against any employee, student, applicant for employment, or candidate for enrollment on the basis of sex, gender, race, color, religion or creed, age, weight, national origin, marital status, disability, sexual orientation, gender identity or expression, transgender status, military or veteran status, domestic violence victim status, genetic predisposition or carrier status, or any other classification protected by Federal, State, or local law. ESBOCES also provides equal access to the Boy Scouts and other designated youth groups. Inquiries regarding the implementation of the applicable laws should be directed to either of the ESBOCES Civil Rights Compliance Officers at ComplianceOfficers@esboces.org: the Assistant Superintendent for Human Resources, 631-687-3029, or the Associate Superintendent for Educational Services, 631-687-3056, 201 Sunrise Highway, Patchogue, NY 11772. Inquiries may also be addressed to the Office for Civil Rights at the US Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005, 646-428-3800, OCR.NewYork@ed.gov.



Arts, A/V Technology & Communications

The Arts, A/V Technology & Communications cluster combines creative roles in visual and audio production, film, journalism, fashion, photography, and creative, digital technologies. This cluster focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.

Arts, A/V Technology & Communications



MAKE SOME NOISE IN **AUDIO PRODUCTION!**



Get ready to change your tune! Here's your opportunity to learn all about studio recording, live concert sound, digital audio production, and sound engineers. You'll also become familiar with the skills producers need to be successful in the business end of this exciting industry. Either way, the Audio Production program is for you!

AUDIO PRODUCTION

COURSE CODE 11999

CIP CODE 10.0299

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Audio Production is designed to give the student experience in core audio production techniques. This includes live sound reinforcement, multi-track recording, and electronic music composition basics. The student will play an active role as audio technician, engineer, and producer, learning the fundamentals using industry standard equipment such as audio mixing consoles, microphones, Digital Audio Workstations (DAWs) and editing systems. Instruction will also cover equipment installation, and maintenance. Students will write, produce, engineer, mix and master their own projects. These projects include sound reinforcement for theater, and musical performance, mixing for broadcast and video and post-production, and original soundtrack composition for film, television, and the music industry.

CERTIFICATION OPPORTUNITIES

Pro Tools
Apple Logic

SUGGESTED SUPPORTIVE COURSES

Music and Related Computer Software

APPROXIMATE COSTS

- Various media: $50–$100

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
AUDIO PRODUCTION	01156		03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
AUDIO PRODUCTION		✓	✓	

COURSE CONTENT

- Audio Equipment Use
- Advertising
- Basic Production Skills
- Digital Multi-Track Recording
- Microphone Technique
- Voice-Over Technique and Diction
- MIDI Instrumentation and Sequencing
- Careers in Broadcasting
- Careers in Audio Engineering and Recording Industry

CAREER OPPORTUNITIES

- Producer
- Public Relations Specialist
- Announcer/Voiceover Artist
- Audio Technician
- Arranger
- Production Manager
- Newscaster
- Audio Sales and Support Services
- Recording Engineer
- Live Sound Engineer

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST



Arts, A/V Technology & Communications

JOIN THE NEW AGE DESIGN PROFESSIONALS!

The commericial design field knows no boundaries. Nearly every product around us, from the books we read to the clothes we wear, is influenced by the work of artists and designers. Today's artist needs to be prepared and skilled in a variety of tools, techniques, and in-design theory.

The Commericial Design and Visual Communications program provides opportunities with REAL clients and work experience. In this working studio environment, you will become familiar with the tools, techniques, and theory needed to succeed. Through design projects, collaborative activities with related career classes and actual work experience, students are exposed to all facets of design and a multitude of career paths, allowing them to create a well-rounded portfolio, and valuable entry-level employment skills, as well as preparation for higher education.



Today's artists are the problem solvers of tomorrow and the

COMMERCIAL DESIGN & VISUAL COMMUNICATIONS

class is where that successful future begins.



COMMERICIAL DESIGN & VISUAL COMMUNICATIONS

COURSE CODE 11153

CIP CODE 50.0402

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Through career-related, project-based and hands-on experiences, students in this creative class develop a portfolio, and foundational skill sets needed to enter various design fields and creative industries. Students will learn illustration with traditional media and an emphasis on digital media, composition, design, and color theory, team building and communication skills, as well as industry standard design software programs needed on any commericial designer's resume. The combination of the skills developed and applied, along with hands-on client work experiences, enables students to create a portfolio worthy of college acceptance and entry-level employment. Students also have the opportunity to earn industry certification and college credit.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
COMMERICIAL DESIGN & VISUAL COMMUNICATIONS	01156			72211	ART 1 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
COMMERICIAL DESIGN & VISUAL COMMUNICATIONS	✓			

CERTIFICATION OPPORTUNITIES

Adobe Certified Professional - Illustrator

SUGGESTED SUPPORTED COURSES

Art
Computer-Related Software

APPROXIMATE COSTS

- Various Art Supplies, Sketchbook, SkillsUSA Professional Membership Fee: $50-$70

COURSE CONTENT

- Use of Studio Tools and Equipment
- Layout and Composition Fundamentals
- Elements and Principles of Design
- Color Theory and Application
- Typography/Anatomy of Letterforms
- Concept Development
- Workplace Safety and Health
- Professionalism and Work Ethics
- Client Work Experience
- Character and Team Building
- Portfolio Development
- Digital Design/Computer Graphics
- Digital and Traditional Illustration
- Creative Application of Traditional and Digital Media
- Project-Based Career Exploration
- Desktop Publishing
- Basic 2-D Animation
- Presentation Graphics
- Pre-Production Art/Storyboards
- Package Design
- Product Concept Development
- Advertising Design
- Web Design Basics

CAREER OPPORTUNITIES

- Graphic Artist for Print Materials
- Graphic Artist for Web
- Advertising Designer
- Production Artist
- Illustrator/Cartoonist
- Commercial Artist
- Animator
- Technical Illustration
- Textile Designer
- Industrial Designer
- Product Developer
- Environmental Graphics and Design
- Photo Retouching/ Restoration
- Art Director
- Set Designer
- Product Stylist
- Interior Designer
- Web Designer
- Typographer
- Art Educator
- Multimedia Artist

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST



Arts, A/V Technology & Communications

Picture Yourself!

DIGITAL PHOTOGRAPHY & RELATED MEDIA

Here's your chance to work in a professional creative studio, while gaining valuable experience with real clients. Experience the satisfaction of building a professional portfolio using industry-standard equipment, including Nikon and Canon DSLR, mirrorless, and 360° cameras, as well as with professional lighting, and the most up-to-date software that Adobe® Creative Suite offers. Successful students can access advanced standing and dual enrollment opportunities, resulting in reduced tuition, and college transcripts, setting you up for success on your postsecondary pathway to college and career readiness. Picture yourself in an exciting future as you take the first step toward becoming a professional photographer!

DIGITAL PHOTOGRAPHY & RELATED MEDIA

COURSE CODE 11052

CIP CODE 50.0406

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:
This course provides students the opportunity to sharpen their professional eye and ready themselves for the world of professional photography. With an emphasis on camera techniques and exposure, composition and design, location and studio lighting, and digital imaging, students can translate their passion into a viable college and career path. Use current technologies from Nikon, Canon, Apple® and Adobe® (among others) to elevate your technical skills and expand your opportunities, and post-secondary options, while focusing your perspectives on photographic history and critique, giving you a well-rounded foundation for fine art or commercial photography. Learn to work independently and as part of a creative team in ways that will inspire your future!

EDUCATION OPPORTUNITIES

- Associate of Arts Degree
- Bachelor of Arts Degree

SUGGESTED SUPPORTIVE COURSES

Algebra, Art, Science

APPROXIMATE COSTS

- Supplies and Materials: $100

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
DIGITAL PHOTOGRAPHY AND RELATED MEDIA	01156			72211	ART 1 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
DIGITAL PHOTOGRAPHY AND RELATED MEDIA	✓			

COURSE CONTENT

- DSLR, Mirrorless, and 360° Digital Cameras
- Industry-Standard Prime and Zoom Lenses
- Composition and Design
- Adobe Lightroom and Photoshop
- Lighting Equipment and Techniques
- Professional Portfolio Development

CAREER OPPORTUNITIES

- Studio or Photographer's Assistant
- News Photographer
- Portrait Photographer
- Photo Editor
- Photo Stylist
- Product Stylist
- Photo Equipment
- Advertising Photographer
- Industrial Photographer
- Fashion Photographer
- Wedding Photographer
- Fashion Stylist
- Photo Lab Technician
- Sales Representative

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

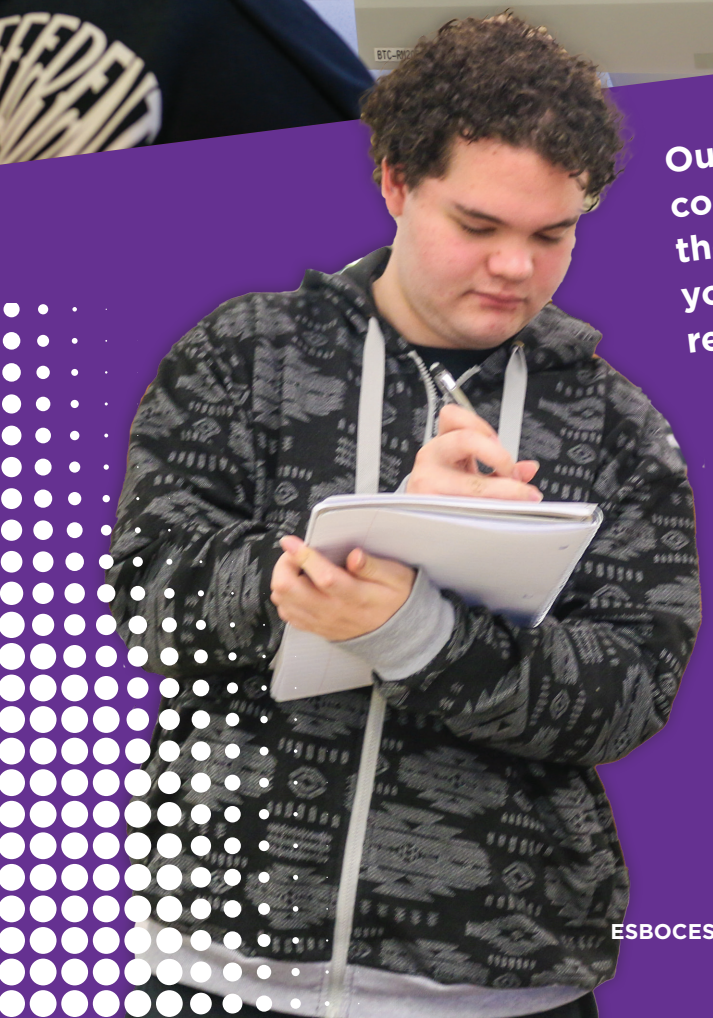
Arts, A/V Technology & Communications

MAKE EVERY DAY A RUNWAY!









Our FASHION DESIGN & MERCHANDISING course is your chance to get an insider's view of the fashion industry, from designing and creating your own clothes to buying and promoting fashion-related products.

Learn how to forecast fashion trends and find out what it takes to be a successful designer, buyer, visual merchandiser, or stylist. Visit the heart of Manhattan's Garment District and explore the many different "fashion avenues" that this exciting field has to offer!

FASHION DESIGN AND MERCHANDISING

Career & Technical Endorsement

COURSE CODE 05190

CIP CODE 52.1902

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This course provides skills and experience in apparel design, retail operations, and merchandising display. Students cut, sew and design their own garments, demonstrate the forecasting of fashion, visually create a fashion display, illustrate sample garments for their portfolio, perform basic business procedures needed for any retail operation, and work cooperatively as a team member to run to operate our in-house "second glance" retail store.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
FASHION DESIGN AND MERCHANDISING	01156	02151		72211	ART 1 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
FASHION DESIGN AND MERCHANDISING	✓			

EDUCATION OPPORTUNITIES

- Bachelor Degree

SUGGESTED SUPPORTIVE COURSES

English, Public Speaking, Art Design, Textile Business

Relevant work-based learning experiences for students include internship, trade shows, site tours, and trade-only venues.

APPROXIMATE COSTS

- Supplies and Materials: $150

COURSE CONTENT

APPAREL DESIGN

- Design Theory: Design Principles, Fashion History, Forecast Analysis, Figure Study, Illustration, Rendering/Presentation, Design
- Garment Design: Market Study, Apparel Quality/Cost Analysis, Pattern Design, Sewing Techniques and Construction, Draping
- Individual Projects: Three or more sewn designs and illustrated concepts
- Fashion Productions: Spring Fashion Show of Student Designs and Portfolio Night

RETAIL OPERATIONS

- Retail Store Organization: Merchandising, Finance and Control, Operations and Promotional Division Responsibilities
- Operations Division: Store Image/Market, Customer Service, Financial Controls, Product Inventory, Personnel, Vendor Relations, Promotion, Layout/ Display, and Housekeeping/Security
- Customer Service: Profile/Market Segmentation, Merchandising Objectives, Service Policies, Sales Strategies, Inventory, Receipts Control
- Second Glance: In-House Retail Boutique Providing Practical Application of Fashion Merchandising Curriculum

VISUAL MERCHANDISING

- On-Campus Display Case: Seasonal Window Display Design
- Display Design: Traffic Analysis, Market Impact, Calendar/ Season, Theme, Composition, Floor Plans, and Spec Rendering
- Display Techniques: Realistic, European, and Exaggerated (lay-down, pin-up, and flying)
- Display Fixtures: Free-Standing, T-Stands, 4-Ways, Structural Columns, Display Counters, Platforms, Mannequins, Specialized Retail Hangers
- Planning: Schedule, Physical Requirements, Tools and Supplies, Lighting Equipment, and Reference Materials

CAREER OPPORTUNITIES

- Fashion Designer
- Technical Designer
- Product Manager
- Pattern Maker
- Seamstress
- Brand Representative
- Garment Production Manager
- Trim/Fabric Sourcing
- Fashion Marketing
- Visual Merchandiser
- Display Designer
- Sales Associate
- Management Trainee
- Buyer
- Fashion Stylist
- Fashion Teacher

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Arts, A/V Technology & Communications



LIGHTS, CAMERA, *YOU'RE IN THE* ***ACTION!***

TELEVISION, VIDEO & DIGITAL FILM PRODUCTION

Be part of a growing industry with evolving technology and varied job opportunities. You will work both in front of and behind the camera, in studio and on location. This course emphasizes hands-on training, preparing you for the many career paths available in this field. Your creativity will soar as you work with industry-standard equipment: professional cameras, lighting, and audio equipment and learn computer-based editing in a full studio setting. From commercials to music videos, live broadcasting, TV journalism and short films, you can produce it all!

• • •

"IT WAS FUN AND I LEARNED A LOT OF WHAT I WAS INTERESTED IN."

— PROGRAM COMPLETER

TELEVISION, VIDEO AND DIGITAL FILM PRODUCTION

COURSE CODE 11099

CIP CODE 50.0699

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This course involves all phases of television and film production including planning, shooting and editing. Students will learn techniques in studio production, electronic journalism and digital filmmaking. Working in our 30' x 40' studio, students produce network-style talk and news shows and promotional videos. In addition to working in the studio, students use professional cinema and field cameras, as well as sound and lighting equipment to create their own news packages, public service announcements, short films, and documentaries. Students learn current industry practices through hands-on experience, including direct work for real-world clients, which prepares them for an entry level position and/or post-secondary education in the field.

CERTIFICATION OPPORTUNITIES

Adobe® Premiere Pro (Year 1)
Adobe After Effects (Year 2)

EDUCATIONAL OPPORTUNITIES

Dual Enrollment Coursework Via Multiple Colleges

APPROXIMATE COSTS

- Incidental supplies: $50

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
TELEVISION, VIDEO AND DIGITAL FILM PRODUCTION	01156			72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
TELEVISION, VIDEO AND DIGITAL FILM PRODUCTION	✓			

COURSE CONTENT

- Multi-Camera Studio Directing
- Directing Talent
- Video Switcher Operation
- Non-Linear Editing
- Master Control
- Camera Operation
- Composition and Framing
- 2-D Graphic Design
- Field and Studio Lighting
- Scripting and Storyboarding
- Audio Console Operation
- News Production
- Microphone Use
- Location Production
- Communication Law
- Basic Digital Film Production

CAREER OPPORTUNITIES

- Technical Director
- Camera Operator
- Lighting Director
- Floor Manager
- Audio Technician
- Video Operator
- Video Editor
- Field Producer
- Gaffer
- Production Assistant
- Writer
- Social Media/Marketing
- Talent
- Maintenance Engineer
- Grip
- News Reporter
- Assignment Desk Editor
- Equipment Sales and Rental

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST



Unlock the leader in you through JROTC

The Junior Reserve Officer Training Corps (JROTC) program offers a remarkable opportunity for personal growth and development. Participants gain valuable leadership skills and cultivate a strong sense of discipline and responsibility, while developing collaboration and effective communication skills. JROTC provides a unique pathway to explore military careers while also preparing students for future academic and professional pursuits. With the guidance of dedicated instructors and the camaraderie of fellow cadets, students in the JROTC program embark on a journey of self-discovery and empowerment that extends far beyond the classroom.

Scan for more JROTC Program information



Education & Training

Careers dedicated to nurturing the holistic growth of children from birth to 5 years old through education, care, and early intervention. Professionals in this field specialize in fostering physical, cognitive, emotional, and social development in early learners by applying proven and promising strategies for whole-child wellness.

EARLY CHILDHOOD EDUCATION

Find BIG rewards in a small world.







Prepare yourself with the skills you need for a future in teaching. Gain hands-on experience as a student teacher in our on-site preschool. Earn work experience in community-based Early Childhood programs as you work toward your Child Development Associate Credential. College credits are offered through this exciting technical education program.

EARLY CHILDHOOD EDUCATION

Career & Technical Endorsement

COURSE CODE 19051

CIP CODE 19.0709

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This course is designed to prepare students for careers as pre-school teachers and provides an indispensable foundation to continue in other career/post-secondary pathways to work with children ages 2-5. Learn child development through direct hands-on work experience with children in our on-site preschool.

A second year option is available which prepares students to work toward the Child Development Associate (CDA), a nationally recognized credential that will qualify candidates to work in a leadership role with the on-site preschool and any early childhood program nationwide. Students in the second year program may also participate in community-based internships to explore varied educational settings and student groups.

CERTIFICATION OPPORTUNITIES

Child Development Associate (CDA)
Pediatric CPR/AED and First Aid

SUGGESTED SUPPORTIVE COURSES

Human Development, Food and Nutrition, Parenting, and Child Psychology

APPROXIMATE COSTS

FIRST YEAR:
Smock $25; Portfolio Box $15; Notebook $5; Craft Supplies $5; Pediatric CPR/AED & First Aid Cert. $25 (CPR certification valid for two years)

SECOND YEAR:
Pediatric CPR/AED & First Aid Cert. $25; CDA Book $30 (CDA book includes application packet/S&H); CDA Certification $525 (optional)

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
EARLY CHILDHOOD EDUCATION	01156			72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
EARLY CHILDHOOD EDUCATION		✓	✓	

COURSE CONTENT

- Planning and Preparation
- Observation and Assessment
- Child Development Principles and Theories
- Understanding Children from ages 2–5
- Guidance Techniques
- Creating a Safe and Healthful Environment
- Curriculum Planning
- Learning Experiences for Children
- Guiding Children with Special Needs
- Community-Based Work Experience
- Classroom Management and Supervision
- Program Management
- Parent/Teacher/Community Relations
- First Aid/Pediatric CPR Certification
- CDA Credential Preparation

ON-SITE AND EXTERNAL PRE-SCHOOL LAB PRACTICUM

Students participate as teachers-in-training in an on-site preschool laboratory, working with children 3 to 5 years old. Working in teaching teams, students rotate job assignments and positions.

In their second year, students serve in the lead teacher role in the on-site preschool laboratory and have the opportunity for community-based field placements including infant/toddler or preschool, daycare, Head Start, and special education preschool.

CAREER OPPORTUNITIES

- Nursery Schools
- Recreation Facilities
- Elementary Schools
- Group Day Care Centers
- Special Education Facilities
- Family Home Day Care Provider
- Community Service Agencies
- Youth Centers

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST



Eastern Suffolk BOCES

DID YOU KNOW?

ACADEMY PROGRAMS BROADEN **LIFELONG CAREER AND EDUCATION OPTIONS**

Nine out of ten employers have difficulty finding **qualified people to fill job openings**.

The Academy provides **long-term job education and skills training**, enabling teens to reach their full potential.

Studies reveal a strong correlation between **education/ technical skills levels** and **continued employment/lifelong earnings**.



Health Sciences

The Health Sciences cluster promotes whole health in individuals and communities through a diverse array of services. This sector includes technical, mental, and therapeutic services and personal care, supported by medical and social sciences. By addressing social determinants of health and leveraging health data and science, this cluster aims to enhance the overall health and resilience of individuals, families, and communities.



Health Sciences

CLINICAL MEDICAL ASSISTING



Vital signs are excellent for Medical Assistants!

Employment opportunities for medical assistants are growing fast. Prospects are exceptionally bright for those with formal training and certification. This course encompasses the study of anatomy and physiology, medical terminology, clinical, and laboratory procedures, as well as medical law and ethics. Supervised clinical experience is required in this program with the opportunity to attain the Certified Health Professionals (CHP), EKG, Phlebotomy, and CPR/BLS Certifications.

CLINICAL MEDICAL ASSISTING

COURSE CODE 14151

CIP CODE 51.0801

♦ **THIS IS A ONE-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This course is designed to provide basic training in medical assisting skills such as: phlebotomy, EKG, medical terminology, first aid and CPR. Successful completion enables students to become certified as a CHP and in Phlebotomy, EKG, and BLS. Emphasis is placed on preparing students for work in the healthcare industry. It provides fundamental theories and principles needed by all health care providers in the legal aspects of the industry, as well as professional behavior skills. Safety is emphasized throughout the course.

**Students who successfully complete Clinical Medical Assisting and Nurse Assisting courses may be eligible for Patient Care Technician certification.*

CERTIFICATION OPPORTUNITIES

Certification in Clinical Medical Assisting through Certified Health Professionals (CHP), EKG, Basic Life Support (BLS)

SUGGESTED SUPPORTIVE COURSES

Algebra, Living Environment

Students enrolling in this program are expected to show proficiency in math and science by scoring a min. of 75% on the Algebra regents and a min.of 75% on the Living Environment regents.

APPROXIMATE COSTS

- Materials/Uniforms: $150
- Workbook: $100
- Required Course Exams:
  - CHP Exam: $140
  - EKG Exam: $160
  - Phlebotomy Exam: $160

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
CLINICAL MEDICAL ASSISTING	01156	02152	03201	72211	HEALTH .5 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
CLINICAL MEDICAL ASSISTING		✓	✓	✓

COURSE CONTENT

- Basic Administrative Duties
- Medical History Taking
- Vital Signs
- Medical Terminology
- Medical Law and Ethics
- Standard Precautions
- Anatomy and Physiology
- Physical Measurements
- Assisting with Exams
- Assisting with Minor Surgery
- Lab Techniques
- Patient Education
- Patient Preparations
- Collection and Preparation of Lab Specimens
- Sterilization and Disinfection Techniques
- First Aid/CPR/AED
- Phlebotomy
- Principles of Pharmacy
- Electrocardiogram
- Career Development
- Professionalism
- Clinical and Diagnostic Procedures

CAREER OPPORTUNITIES

- Hospital Admissions Departments
- Hospital Radiology Departments
- Skilled Nursing Facilities
- Psychiatric Institutions
- Private Medical Offices
- Hospital Patient Care Departments
- Patient Care Units
- Hospital Laboratory Departments
- Hospital Medical Records Departments
- Drug or Alcohol Rehabilitation Centers
- Private Laboratories
- Medical Clinics

ADVANCED COLLEGE/ TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Health Sciences

CERTIFIED PERSONAL TRAINER







GET YOUR CAREER IN SHAPE!

Welcome to today's health-conscious world! People are more interested than ever in living healthier lives. If fitness is your passion and you enjoy working with people, a career in personal training may be perfect for you. In this exciting and expanding field, you will have an opportunity to design weight-training and nutritional programs, help people gain greater self-esteem and see the results of your skills "take shape" every day. This course will offer you the opportunity to earn your National Personal Trainer Certification through the International Sports and Science Association (ISSA) making you fit for a great new career!

CERTIFIED PERSONAL TRAINER

COURSE CODE 14062

CIP CODE 31.0507

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This course includes anatomy, kinesiology, injury prevention, supplementation and nutrition, and all aspects of cardio and strength training and more. A world-renowned staff of researchers, scientists, sports medicine specialists, and world champion athletes created the certification program that this course follows. The course is specifically designed to bridge the gap between clinical exercise, related course work, and the practical application of sound health and fitness programming. Students will have an opportunity to earn a nationally-recognized certification from the International Sports Sciences Association (ISSA) upon successful completion of the course.

The second year provides students with the opportunity to design a supervised fitness programs designed for medical conditions. Students will earn a certification in Exercise Therapy from the International Sports Sciences Association upon successful completion of the second year of this course.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
CERTIFIED PERSONAL TRAINER	01156	02152	03999	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
CERTIFIED PERSONAL TRAINER	✓			

CERTIFICATION OPPORTUNITIES

International Sports Sciences Association (ISSA)
Personal Trainer Certification
Specialist in Exercise Therapy

SUGGESTED SUPPORTIVE COURSES

Health
Living Environment

APPROXIMATE COSTS

- Workbook, Basic Life Support (BLS) and Certified Personal Trainer (CPT) Certification Costs, Fitness Uniform: $180
- Field Trips: $20

COURSE CONTENT - FIRST YEAR

- Scientific Foundations of Physical Activity and Fitness
- Nutrition, Body Composition, & Weight Management
- Components of Fitness
- Special Populations
- Exercise Prescription
- Exercise Programming Considerations

COURSE CONTENT - SECOND YEAR (OPTIONAL)

- Post-Rehab Orthopedic Exercise
- Therapeutic Flexibility
- Stress Management
- Avoiding Injury Recurrence
- Drug Interaction with Exercise
- Sports Medicine and Health Care
- Achieving Maximum Insurance Reimbursement

CAREER OPPORTUNITIES

- Certified Personal Trainer
- Sports Team Conditioner
- Exercise Instructor
- Physical Therapy
- Private Health Club
- Strength Coach
- Fitness and Exercise Therapist

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Health Sciences





DENTAL CHAIRSIDE ASSISTING

A WIDE-OPEN CAREER THAT'S WORTH SMILING ABOUT!

Dental Chairside Assistants prepare patients for treatment, maintain instruments and equipment, work with patient dental records, and provide supportive services to a licensed dentist (four-handed dentistry).

Employment in this field is growing, and opportunities are expected to be plentiful. A supervised clinical experience is required in this program, which will start you on your way to a smart, new career!

"I WOULD SAY IT WAS NOT ONLY BENEFICIAL TO MY FUTURE BUT IT ALLOWED ME TO LEARN VALUABLE SKILLS."

— PROGRAM COMPLETER



DENTAL CHAIRSIDE ASSISTING

COURSE CODE 14054

CIP CODE 51.0601

♦ THIS IS A ONE YEAR COURSE

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Students will learn how to work chairside with the dentist, prepare dental materials, perform basic business procedures, and provide practical experience in radiology and four-handed dentistry. Students learn in a simulated environment equipped with the most current equipment and software in a setting where skills are taught with a strong emphasis on patient care and business application. Students gain additional experience through clinical practice in the field. This program will prepare students for a course of study in higher education for the New York State Dental Assisting Licensing Program.

CERTIFICATION OPPORTUNITIES

Basic Life Support, Narcan

SUGGESTED SUPPORTIVE COURSES

Anatomy
Basic Computer Concepts
Chemistry
Living Environment

APPROXIMATE COSTS

- Uniforms: $95
- Workbook/Supplies: $50
- Complete Physical Exam Required

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
DENTAL CHAIRSIDE ASSISTING	01156		03201	72211	Health .5 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
DENTAL CHAIRSIDE ASSISTING	✓			

COURSE CONTENT

- Introduction to Dental Assisting
- Personal Health and Grooming
- Pre-Clinical Sciences Chairside Procedures
- Basic Laboratory Skills
- Applied Psychology
- First Aid and Emergency Treatment
- Prevention and Control in Dental Health
- General Office and Patient Routine
- Expanded Functions
- Basic Dental Sciences
- Dental Specialties
- Instrument Care
- Office Management Skills
- Film Exposure
- X-Ray Processing
- Practice Administration
- X-Ray Mounting and Digital Technology

CAREER OPPORTUNITIES

- General Dentist
- Orthodontics
- Periodontics
- Prosthodontics
- Private Practice
- Federal, State and Local Agencies
- Dental Supply Company
- Certified Dental Assistant
- Registered Dental Hygienist
- Oral Maxillofacial Surgery
- Pediatric Dentistry
- Endodontics
- Dental Insurance Company
- Group Practices
- Armed Forces
- Dental Public Health
- Dental Lab Technician

ADVANCED COLLEGE/ TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Health Sciences

Making a Vital Difference in the Lives of Others

EMERGENCY MEDICAL TECHNICIAN





Do you have an interest in helping others who are sick or injured? Do you want to make a difference and be an important part of an emergency team? It is the first step on a pathway to a career as a paramedic or a variety of other careers in health care.

With more than 2.8 million people on Long Island and upwards of 100 separate fire and EMS agencies across Suffolk County alone, it is readily apparent why this program is so vital. If you have a calling to help those in need, this is the program for you.

EMERGENCY MEDICAL TECHNICIAN

COURSE CODE TBD

CIP CODE TBD

♦ THIS IS A ONE YEAR-COURSE

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Emergency Medical Technicians (EMTs) provide out-of-hospital emergency medical care and transportation for critical and emergent patients who access the Emergency Medical Services (EMS) system. EMTs have the basic knowledge and skills necessary to stabilize and safely transport patients ranging from non-emergency and routine medical transports to life threatening emergencies. These technicians are skilled in the provision of basic life support for the many illnesses and accidents that require emergency medical treatment prior to arrival in a hospital emergency department. EMTs are trained in patient immobilization and packaging procedures needed to prevent further injury and to provide safe transport to an appropriate medical facility. This is a program designed to prepare students for the NYS EMT certification. This course is based on technical and hands-on training in emergency medicine. Students will be required to complete work-based learning hours with volunteer fire and ambulance departments.

** Please note: Only students who will be 17 years of age by the end of the course (June 1) are eligible to enroll for the course.*

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
EMERGENCY MEDICAL TECHNICIAN	TBD				

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
EMERGENCY MEDICAL TECHNICIAN	✓			

CERTIFICATION OPPORTUNITIES

American Heart Association Basic Life Support Certification, CPR, AED, NYS Department of Health EMT-B Certification/NYS Certified First Responder

SUGGESTED SUPPORTIVE COURSES

Biology, Living Environment, Regents Algebra, Chemistry (completed or taken while enrolled)

APPROXIMATE COSTS

TBD

COURSE CONTENT

- Patient Assessment
- General Pharmacology
- Airway Management
- Shock and Resuscitation
- Medical Assessment
- Traumatic Injuries
- EMS Operations and Incident Management
- Medical, Legal, and Ethical Issues
- Lab Exams

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

NURSE ASSISTING: BE PART OF A HEALTHY OUTLOOK!

Healthcare is the single largest growth industry in the nation. The need for kind, caring, and compassionate individuals throughout the industry is enormous. Take your first step toward attaining New York State Nurse Aide certification while learning about the many opportunities available. Right now there are many very healthy reasons to choose a career in nurse assisting.

"The time you spend here, you will learn a lot, and it will help you with your career."

— PROGRAM COMPLETER

NURSE ASSISTING

COURSE CODE 14051

CIP CODE 51.1614

♦ **THIS IS A ONE-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This NYSED/NYSDOH approved program is designed to prepare the student to be employed as a Nurse Assistant. The student will learn basic aspects of health care, including: bathing, positioning, moving, and transferring of patients, as well as monitoring vital signs. A hands-on approach includes a laboratory component and practical applications of theory. Clinical affiliations with various health care institutions further the learning experience. This is an entry-level program in the field of nursing and prepares students for the New York State Aide Certification. Successfully completing Nurse Assisting and Clinical Medical Assisting can lead to eligibility for Patient Care Technician certification.

CERTIFICATION OPPORTUNITIES

New York State Nurse Aide,
Basic Life Support,
Automated External Defibrillator

SUGGESTED SUPPORTIVE COURSES

Algebra, Living Environment, Math

Students enrolling in this program are expected to show proficiency in math and science by scoring a minimum of 75% on the Algebra Regents and a minimum of 75% on the Living Environment Regents

APPROXIMATE COSTS

- Uniforms: $70
- Workbook: $50
- Industry Certification: $30
- Complete Physical Examination Required

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
NURSE ASSISTING	01156	02152	03201	72211	Health .5 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
NURSE ASSISTING		✓	✓	

COURSE CONTENT

- Nutrition
- Basic Nursing Procedures
- Personal Health and Wellness
- Communication Skills
- Anatomy and Physiology
- Information Technology in Health Care
- Geriatric Care
- Promotion of Safety
- Vital Signs
- Medical Terminology
- Legal and Ethical Responsibilities
- Emergency Care
- Human Growth and Development
- Infection Control
- Health Care Systems
- Careers in Health
- Preparing for the World of Work
- Characteristics of the Health Care Worker

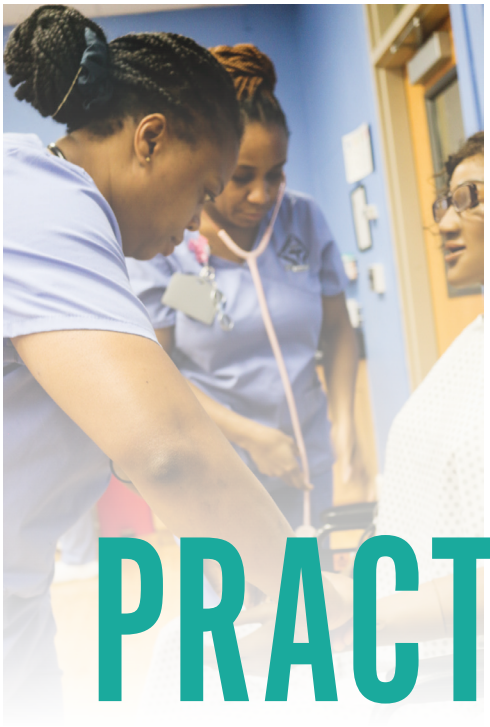
CAREER OPPORTUNITIES

- Nurse Assistant
- Rehabilitation Aide
- Recreation Assistant
- Skilled Nursing Facilities
- Home Care
- Hospice
- Hospital
- Sub-Acute Care

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST







PRACTICAL NURSING

WHEN CARING IS YOUR CALLING, YOUR HELPING HANDS WILL FIND A WORLD OF OPPORTUNITY.

With people living longer and a population that has come to expect high-quality healthcare, nursing is one of the future's most secure occupations. Besides a healthy job market, practical nurses enjoy personal rewards and a sense of self esteem. As a nurse, you will be responsible for the well-being of patients, teaching them how to achieve and maintain better health and brighter, more satisfying futures. In short, you will enhance the quality of human life. Secure career opportunities await you in hospitals and clinics, outpatient care centers, doctors' offices, nursing facilities, and in private home care.

YOUR HELPING HANDS WILL BE DOUBLY REWARDED WITH THE SATISFACTION OF ASSISTING OTHERS COUPLED WITH THE SECURITY OF A PROMISING FUTURE WITH UNLIMITED OPPORTUNITY!

PRACTICAL NURSING

COURSE CODE 14052

CIP CODE 51.1613

♦ **THIS IS A 17-MONTH PROGRAM (LEVEL 1 & LEVEL 2) THAT BEGINS IN SENIOR YEAR**

All applicants must take and pass the nurse entrance exam: Test of Essential Academic Skills (TEAS) in the Spring of their junior year.

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

During the first year of the program, Level 1 students learn theoretical nursing concepts and basic nursing skills built on the principles of biological, physical and social sciences. Level 1 provides classroom, laboratory and clinical experiences with an emphasis on safe care of the adult client at a health-related facility. Level 2 of the program, beginning in September following high school graduation, is designed to build upon previous nursing knowledge and related theory with a focus on evidence-informed nursing practices using critical thinking and the nursing process. Level 2 classes are held at the Adult Education Center in Sayville and health-related facilities Monday through Friday 8:30 AM to 3:00 PM. Upon successful completion of 1,260 hours of instruction and program requirements, graduates are eligible to take the National Council Licensing Examination for Practical Nurses (NCLEX-PN).

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION

PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
PRACTICAL NURSING	01156	02152	03053	72211	Health .5 credit

LOCATIONS

PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
PRACTICAL NURSING	✓			

COURSE CONTENT

LEVEL 1 - FIRST YEAR

- Fundamentals of Nursing - With Clinical Practice
- Nutrition
- Pharmacology
- Growth and Development
- Anatomy and Physiology
- Introduction to Professional Nursing and Ethics

LEVEL 2 - SECOND YEAR POST-SECONDARY

- Clinical Practice and Theory
- Medical-Surgical Nursing
- Psychiatric Nursing
- Obstetrical Nursing
- Gerontological Nursing
- Pediatric Nursing

CERTIFICATION OPPORTUNITIES

Upon completion of the second year, students are eligible to take the National Council Licensing Examination for Practical Nurses (NCLEX-PN). Tuition for Level 1 is paid by the local school district enrolling the student with the usual Academy aid. Tuition for Level 2 will be the responsibility of the student and/or parent. Level 2 students are eligible for Federal Student Loans and possible Pell Grants.

Note: *Students must maintain a 75% grade average per subject listed in the course content and maintain satisfactory attendance.*

SUGGESTED SUPPORTIVE COURSES

Algebra, Regents English, Living Environment, Nurse Assisting, or Clinical Medical Assisting in 11th Grade

Students enrolling in this program are expected to show proficiency in math and science by scoring a minimum of 80% on the Algebra Regents and a minimum of 80% on the Living Environment Regents.

APPROXIMATE COSTS

LEVEL 1 AND LEVEL 2:

- Uniform: $125
- Books: $345 first year / $260 second year
- Equipment: $200 first year
- Background Check: $52*
- Random Drug Test: $35*
- ATI Fundamentals of Nursing: See Program Guidelines (second year only)

LEVEL 1 ONLY:

- Complete Physical Examination

**Information to be provided*

*** Students/parents are responsible for costs of uniforms, books, supplies, and current physical exam as listed above*

CAREER OPPORTUNITIES

- Hospitals/Hospices
- Public Health Agencies
- Physician's Offices and Clinics
- Health Maintainance Organization (HMO)
- Travel Nursing
- Nursing Homes
- Private Homes
- Armed Forces
- Community-Based Care Centers
- Skilled Nursing Facilities

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Health Sciences

PHYSICAL THERAPY AIDE



"Being in this program has made me confirm within myself that I want to pursue physical therapy."
— RECENT COMPLETER

Physical Therapy Aides are responsible for aiding the Physical Therapist with a variety of tasks. Physical Therapists work with patients to optimize mobility and help prevent and treat injuries and disabilities. A Physical Therapy Aide is responsible for ensuring that a patient's visit with the therapist is productive and runs smoothly.

Physical Therapy Aides are part of a growth industry with a robust job outlook over the next decade.

A HEALTHY INDUSTRY YOU CAN COUNT ON!

PHYSICAL THERAPY AIDE

COURSE CODE 14060

CIP CODE 51.2605

♦ **THIS IS A ONE-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Physical therapy is a growing area in healthcare. Physical Therapy Aides are a crucial part of the rehabilitation team. They aid Physical Therapists in delivering quality care to patients by acting as a second pair of hands. Responsibilities of the Physical Therapy Aide include transporting patients from one therapy area to another, preparing and organizing the location for the patient's session, setting up any needed equipment, aiding with the patient's evaluation and treatment session, and fulfilling office and clerical duties. Students will learn theoretical concepts, practice skills, and experience first-hand therapeutic intervention for patients in a clinical setting.

CERTIFICATION OPPORTUNITIES

Multiple American Red Cross Certifications

SUGGESTED SUPPORTIVE COURSES

Living Environment
Physics

APPROXIMATE COSTS

- Uniform: $130
- Small Fees for Certifications in American Red Cross Adult & Pediatric AED, CPR and First Aid, American Red Cross Bloodborne Pathogens, Narcan Use May Apply;
- Complete Physical Examination Required

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
PHYSICAL THERAPY AIDE	01156	02151	03201	72211	Health .5 credit

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
PHYSICAL THERAPY AIDE	✓			

COURSE CONTENT

- Patient/Client Populations
- Anatomy and Physiology
- Medical Terminology
- Vital Signs
- Range-of-Motion Exercises
- Use of Canes, Crutches, Walkers, and other Assistive Devices
- Stair Training
- Hot Packs/Ice, Electrical Stimulation, Ultrasound, and Kinesio Taping
- Strengthening Exercises
- Whirlpool Therapy
- Use of Mechanical Lift
- Fitness, Nutrition, and Weight Control
- Office Duties
- Sport-Specific Therapy, Return-to-Play

CAREER OPPORTUNITIES

- Hospitals
- Physical Therapy Offices
- Schools for Children with Special Needs
- Home Health Care Agencies
- Nursing Homes
- Assisted Living Facilities

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Eastern Suffolk BOCES

DID YOU KNOW?

ACADEMY PROGRAMS OFFER A **PATH TO SUCCESS**

The Academy prepares teens for more than a good paying job. It's the **beginning of a career path**. Most new jobs require specific post-secondary advanced technical training. Our programs meet that need by providing **career exploration, career paths, and links to post-secondary programs**. The Academy takes students into the real world, and the training approximates real work situations.



Hospitality & Tourism

The Hospitality & Tourism Career cluster encompasses a broad range of services and experiences related to food and beverage, lodging, travel, events, and conferences. This cluster focuses on delivering quality customer service, memorable experiences, and seamless logistics to cater to the needs and preferences of guests, tourists, and event participants. The cluster is characterized by its diversity, including everything from luxury hotels and international travel to local dining, cultural events, and business conferences, aiming to enhance the overall experience of visitors and attendees.

Hospitality & Tourism





DISCOVER A RECIPE FOR SUCCESS!

CULINARY ARTS/RESTAURANT OPERATIONS MANAGEMENT

Learn the secrets of the great chefs!



In this course, you will gain foundational cooking skills and have the potential to earn ServSafe®, ProStart®, and American Culinary Federation (ACF) Secondary Graduate professional certifications.

Learn what it takes to succeed as a chef and manage a restaurant kitchen.

Get your career cookin' today in the Culinary Arts/Restaurant Operations Management program.

CULINARY ARTS/RESTAURANT OPERATIONS MANAGEMENT

COURSE CODE 16052

CIP CODE 12.0503

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Our program begins with baking and pastry arts and moves into complete food preparation and management techniques. Students gain an understanding of baking and cake decorating, nutrition, menu planning, catering, dining food service, food production, as well as safety and sanitation codes. Second year students are prepared to take the National Restaurant ServSafe® test. The program has the accreditation of the American Culinary Federation (ACF), which provides students with the opportunity to earn a Certified Fundamentals Cook® (CFC®).The program is also associated with the New York State Restaurant Association (NYSRA) Educational Foundation ProStart® Program, which provides students with work experience necessary to succeed in the workplace.

American Culinary Federation Education Foundation

CERTIFICATION OPPORTUNITIES

American Culinary Federation (ACF), Certified Fundamentals Cook®(CFC®) ServSafe®, ProStart®, Suffolk County Food Handler

SUGGESTED SUPPORTIVE COURSES

Algebra, Written and Verbal Communication Skills

APPROXIMATE COSTS

- 2 Uniforms: $95
- 1 Pair Approved Footwear: $ 40

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
CULINARY ARTS	01156	72211	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
CULINARY ARTS		✓	✓	

COURSE CONTENT

- Professional Food Preparation and Service
- Health Regulations and Codes
- Preventative Safety
- Cooking Methods and Techniques
- Tools and Equipment
- Cost Control and Purchasing
- Weights and Measures
- Baking
- Menu Planning
- Pastry Skills
- Buffets and Banquets
- Recipe Conversions
- Food Presentation/Styling
- Employability Skills
- Time Management
- Nutrition
- Table Service
- Food and Cultures
- Customer Service Skills
- Community Service Opportunities
- Catering
- Regional and Ethnic Cooking
- Ice Carving

CAREER OPPORTUNITIES

- Institutional Food Service
- Corporate Catering
- Personal Chef
- Airline, Railroad and Cruse Lines
- Restaurant Suppliers and Wholesalers
- Corporate Theme Franchises Hotels and Tourist Destinations
- Private Restaurants
- Fast Food Restaurants
- Supermarkets (deli, bakery, meat and seafood)

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

CHANGE YOUR FUTURE!

Eastern Suffolk BOCES

EARN YOUR GED®

FOR *FREE!*



SERVICES INCLUDE:

- In-Person and Remote Classes Available
- Flexible Schedules
- Dual Enrollment Opportunities
- College and Career Readiness Prep
- On-Site GED® Testing for ESBOCES
- Support Services

DAY/EVENING REGISTRATION

TO MAKE AN APPOINTMENT, CALL BETWEEN 9:30AM - 1:00PM OR 6:00PM - 8:00PM

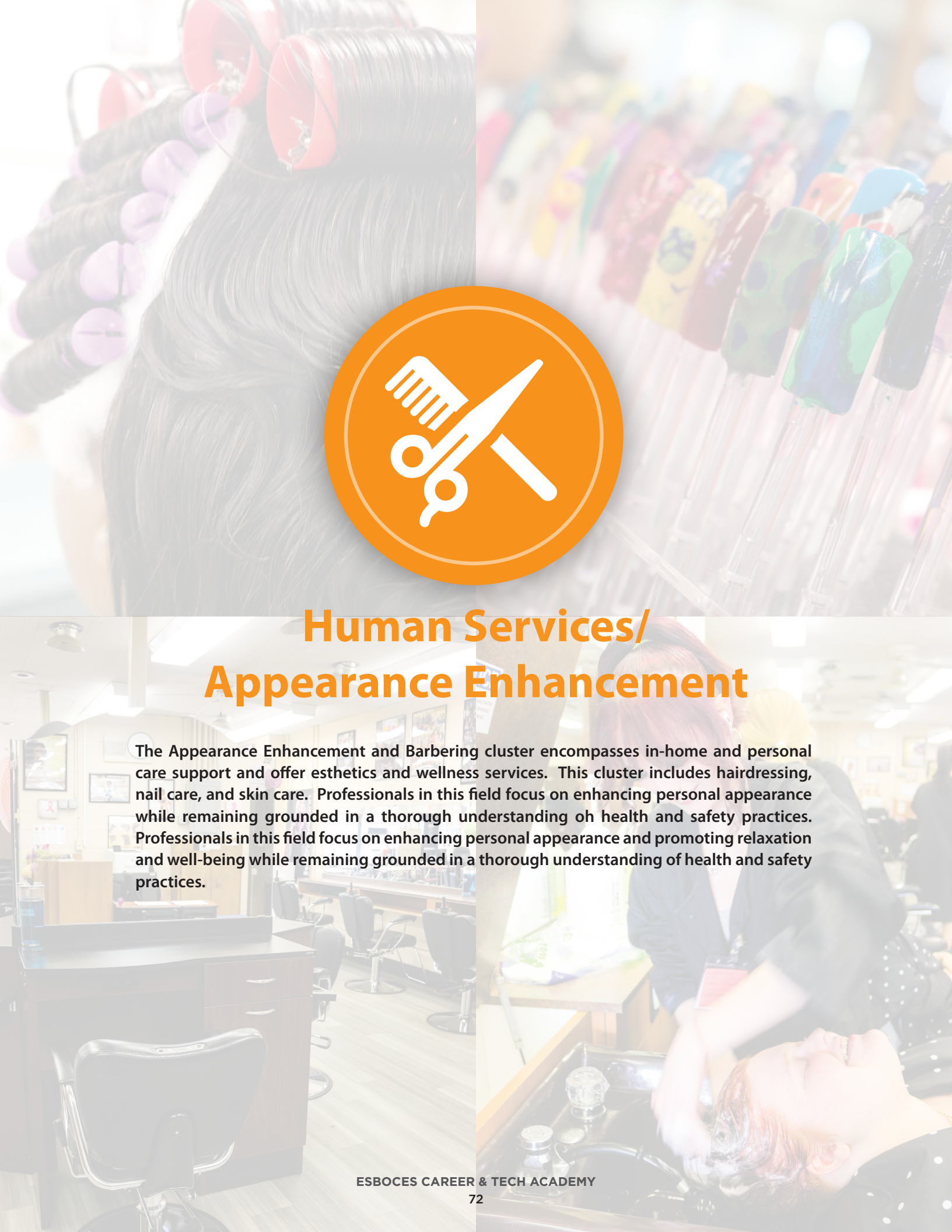
REGISTRATION LOCATIONS:

- **BSAEC - Bay Shore** (631) 439-4784
- **BTC - Bellport** (631) 286-6548
- **WTC - Riverhead** (631) 369-7570

GED® CLASS SCHEDULE

BSAEC BAY SHORE (631) 439-4784	BTC BELLPORT (631) 286-6548	WTC RIVERHEAD (631) 369-7570	SOUTHAMPTON HIGH SCHOOL (631) 369-7570	HAMPTON BAYS CHURCH OF ST. ROSALIE (631) 369-7570	HAMPTON BAYS MIDDLE SCHOOL (631) 369-7570
DAY MONDAY-FRIDAY 9AM - 1PM CLASSES BEGIN SEPT. 14	**DAY** MONDAY-FRIDAY 9:30AM - 1:30PM CLASSES BEGIN SEPT. 14	**DAY** MONDAY-FRIDAY 9:30AM - 1:30PM CLASSES BEGIN SEPT. 14	**EVENING** TUES. & THURS. 6PM - 9PM CLASSES BEGIN OCT. 8	**DAY** TUES. & THURS. 9:30AM - 12:30PM CLASSES BEGIN OCT. 8	**EVENING** TUES. & THURS. 6PM - 9PM CLASSES BEGIN OCT. 8
EVENING MON. & WED. TUES. & THURS. 6PM - 9PM CLASSES BEGIN SEPT. 14	**EVENING** MON. & WED. TUES. & THURS. 6PM - 9PM CLASSES BEGIN SEPT. 14	**EVENING** MON. & WED. TUES. & THURS. 6PM - 9PM CLASSES BEGIN SEPT. 14			

Eastern Suffolk BOCES does not discriminate against any employee, student, applicant for employment, or candidate for enrollment on the basis of sex, gender, race, color, religion or creed, age, weight, national origin, marital status, disability, sexual orientation, gender identity or expression, transgender status, military or veteran status, domestic violence victim status, genetic predisposition or carrier status, or any other classification protected by Federal, State, or local law. ESBOCES also provides equal access to the Boy Scouts and other designated youth groups. Inquiries regarding the implementation of the applicable laws should be directed to either of the ESBOCES Civil Rights Compliance Officers at ComplianceOfficers@esboces.org: the Assistant Superintendent for Human Resources, 631-687-3029, or the Associate Superintendent for Educational Services, 631-687-3056, 201 Sunrise Highway, Patchogue, NY 11772. Inquiries may also be addressed to the Office for Civil Rights at the US Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005, 646-428-3800, OCR.NewYork@ed.gov.



Human Services/ Appearance Enhancement

The Appearance Enhancement and Barbering cluster encompasses in-home and personal care support and offer esthetics and wellness services. This cluster includes hairdressing, nail care, and skin care. Professionals in this field focus on enhancing personal appearance while remaining grounded in a thorough understanding oh health and safety practices. Professionals in this field focus on enhancing personal appearance and promoting relaxation and well-being while remaining grounded in a thorough understanding of health and safety practices.

Human Services/ Appearance Enhancement







BARBERING

Cut your way to a great career!

In this program, you will learn styling, shear and clipper cutting, rolling and texturing of hair, facial grooming, and shaving techniques. Your training will prepare you for the New York State Barber Practical Examination which is required to become a Licensed Master Barber. In addition, you will learn the business and communication skills you need to own and operate your own business.

Bring your excitement and enthusiasm and shape a successful future.

BARBERING

COURSE CODE 19102

CIP CODE 12.0402

♦ THIS IS A ONE-YEAR COURSE

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This course is a combination of classroom instruction and laboratory opportunities that will develop academic and professional knowledge as well as skills required for job acquisition, retention and advancement. This program emphasizes specialized training in safety, sanitation, shaving, reception, precision shear, and clipper cutting, sales, and can create opportunities for small business ownership.

The curriculum is designed to give an overview of the barbering industry, licensing and the opportunities for professional growth. Students who successfully complete this course will have earned the 500 hours necessary to be eligible to sit for the New York State Licensing Board Exam. ***Students must be at least 17 years of age to take the New York State Barber Practical Examination.***

CERTIFICATION OPPORTUNITIES

New York State Licensed Master Barber, Basic Life Support

SUGGESTED SUPPORTIVE COURSES

Business
Health
Living Environment

APPROXIMATE COSTS

- Complete Kit - Uniform, Workbook, and All Tools Required to Complete This Course And Work in a Barbershop: $550

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
BARBERING	01156		03999	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
BARBERING	✓			

COURSE CONTENT

- Safety and Health
- Bacteriology, Decontamination and Infection Control
- Properties and Disorders of the Skin, Scalp, and Hair
- Shampoos, Rinses, Conditioners, and Treatments
- Haircutting, Shaping, Straight Razor Cutting, Straight Edge Shaving
- Hair Styling Techniques
- Hair Coloring
- Hair Enhancement Procedures
- Anatomy and Physiology
- Chemistry as Applied to Barbering
- Barbershop Management
- State Board Preparation and Licensing Laws

CAREER OPPORTUNITIES

- Master Barber
- Barbershop Owner
- Barbering Instructor
- Platform Artist

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Human Services/ Appearance Enhancement

Your Future is Looking Good



ADD STYLE TO YOUR CAREER!

Enter the dynamic field of cosmetology at The Academy and gain hands-on experience in hairstyling, hair coloring, skin care, make-up, chemical texturizing, and nail technology.

Your training will prepare you to take the New York State Cosmetology Examination to become a licensed cosmetologist.

You will also learn what it takes to run a **successful business!**

"It was life-changing and helped me find my passion in life."

— RECENT COMPLETER





COSMETOLOGY

COURSE CODE 19101

CIP CODE 12.0401

♦ **THIS IS A TWO-YEAR COURSE**
(make up hours offered in the summer, if needed)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

Instruction is provided along with hands-on experience in hair shaping, styling and chemical services, including hair coloring, permanent waving, body waves, and chemical relaxing. Encompassed within the curriculum are treatments of the hair and scalp, facials, all aspects of make-up, nail care, and artificial nails. The course also teaches the business and science-related aspects of cosmetology and salon management. A cosmetology license qualifies graduates to work with hair, skin, and nails as well as allows specialization in any area of cosmetology. This license will unlock countless doors within the beauty industry. **Students who successfully complete this 1,000 hour course over two years will be eligible to sit for the New York State Cosmetology Licensing Exams.**

CERTIFICATION OPPORTUNITIES

New York State Licensing Exams

SUGGESTED SUPPORTIVE COURSES

Business
Chemistry
English
Living Environment

APPROXIMATE COSTS

- Year 1 Kit: $750
- Year 2 Kit: $500

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
COSMETOLOGY	01156		03201	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
COSMOTOLOGY		✓	✓	✓

COURSE CONTENT

- Care of Hair and Scalp
- Wigs, Hair Pieces, and Extensions
- Hair Cutting Techniques and Shaping
- Skin Care and Make-Up Application
- Hair Styling and Thermal Curling
- Manicuring and Artificial Nails Design
- Braiding and Hair Extensions
- Pedicure and Paraffin Treatments
- Chemical Relaxing and Permanent Waving
- Salon Management and Salon Business
- Hair Coloring and Hair Lightening
- Related Theory

ADVANCED COLLEGE/ TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

CAREER OPPORTUNITIES

LICENSED

- Natural Hair Stylist
- Chemical Texturing Specialist
- Haircutting Specialist
- Hair Colorist
- Platform Artist
- Salon Manager/Owner
- Esthetician (Skin Care Specialist)
- Make-up Artist-Theatre, TV and Fashion
- Instructor for Professional Products
- Instructor - Private or Public School
- Desairology (Mortuary Cosmetology)
- Nail Technician
- Certified Microblade Technician
- Eyelash Technician
- Hair Extension Specialist
- Laser Technician
- Permanent Make-up Artist

NO LICENSE REQUIRED

- Beauty Supply Sales Manager/ Sales Clerk
- Receptionist
- Cosmetic Sales
- Social Media Influencer
- Retail Consultant
- Beauty Columnist
- Manufacturer's Representative
- Beauty Public Relations

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Eastern Suffolk BOCES

FREE!

ADULT ESL/ESOL EDUCATION CLASSES

YOUR ROAD TO SUCCESS STARTS HERE!

- Improve Writing Skills & Build English Fluency
- Opportunities for Dual Enrollment & Career Advancement
- Increase Confidence & Gain Practical Skills
- Explore Career Paths
- Achieve Educational & Career Goals Faster
- Earn Industry Credentials











DAY/EVENING REGISTRATION

TO MAKE AN APPOINTMENT, CALL BETWEEN 9:30AM - 1:00PM OR 6:00PM - 8:00PM

REGISTRATION LOCATIONS:

- **BSAEC - Bay Shore**
  (631) 439-4784
- **BTC - Bellport**
  (631) 286-6548
- **WTC - Riverhead**
  (631) 369-7570

Eastern Suffolk BOCES does not discriminate against any employee, student, applicant for employment, or candidate for enrollment on the basis of sex, gender, race, color, religion or creed, age, weight, national origin, marital status, disability, sexual orientation, gender identity or expression, transgender status, military or veteran status, domestic violence victim status, genetic predisposition or carrier status, or any other classification protected by Federal, State, or local law. ESBOCES also provides equal access to the Boy Scouts and other designated youth groups. Inquiries regarding the implementation of the applicable laws should be directed to either of the ESBOCES Civil Rights Compliance Officers at ComplianceOfficers@esboces.org: the Assistant Superintendent for Human Resources, 631-687-3029, or the Associate Superintendent for Educational Services, 631-687-3056, 201 Sunrise Highway, Patchogue, NY 11772. Inquiries may also be addressed to the Office for Civil Rights at the US Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005, 646-428-3800, OCR.NewYork@ed.gov.



Law, Public Safety, Corrections & Security

The Public Service & Safety Career cluster encompasses roles in local, state, and federal government; legal and justice systems; security; and military operations, all aimed at promoting civic responsibility and ensuring the well-being, security, functionality, and resilience of communities, states, and countries.

A CAREER IN LAW ENFORCEMENT IS A GREAT INVESTMENT IN JOB SECURITY



Law enforcement offers expanding opportunities from high-tech to criminal justice. In this program, you will test your skills while discovering where your interests lie. Explore the procedures police utilize when making arrests, how the criminal justice system works, and how to collect crime scene evidence. Earn the opportunity to participate in a one-week course at the Suffolk County Police Academy and experience life as a police recruit.

Eligible students may attain New York State Security Guard certification.

LAW ENFORCEMENT

COURSE CODE 15051

CIP CODE 43.0103

♦ **THIS IS A ONE-YEAR COURSE**
(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This is a broad-based program for students with an interest in criminal justice, law enforcement, public safety, and other related legal careers. The program includes the study of civil and criminal law, providing a strong foundation for entry into the security field or for advanced training at a police academy or college. As a New York State-Approved Security Guard school, students who qualify are provided an opportunity to pass the New York State Security Guard certification exam, as well as the International Federation of Protection Officers (IFPO) certification in year two. Students will also receive national telecommunicator (911) training. The IFPO certification is nationally recognized and is offered in the second year of the program, which also includes forensics and crime scene investigations.

CERTIFICATION OPPORTUNITIES

NYS Security Guard
Basic Life Support
International Federation of Protection Officers (IFPO)

EDUCATIONAL OPPORTUNITIES

- Associate Degree
- Bachelor Degree
- Police Academy

APPROXIMATE COSTS

TBD

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
LAW ENFORCEMENT	01156			72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
LAW ENFORCEMENT	✓	✓	✓	

COURSE CONTENT - YEAR 1

- Introduction to Criminal Justice
- Introducttion to Law
- Introduction to Corrections
- Government Structure
- Physical Security Systems
- Patrol Techniques
- Code of Conduct/Ethics
- Emergency Planning
- Community/Public Relations
- Juvenile Justice System
- Personal Protective Equipment
- Weapons Safety

COURSE CONTENT - YEAR 2 (OPTIONAL)

- Court Systems
- Risk Management Principles
- Crime Scene Procedures
- Investigative Techniques
- Defensive Tactics
- Substance Abuse
- Homeland Security
- 911 Emergency Systems
- Forensics
- Cyber Security
- Internship

CAREER OPPORTUNITIES

- Police Science
- Police Officer
- Police Dispatcher
- Paralegal/Pre-Law
- Sheriff's Department
- Probation/Parole Officer
- Child Protective Services
- Corrections Officer
- Forensic Science
- Court System
- Security Officer
- Fire Services
- Corporate Security
- Executive Protection
- Emergency Complaint Operator
- Public Safety Dispatcher
- 911 Dispatcher
- Military/Military Police
- Federal Law Enforcement



ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

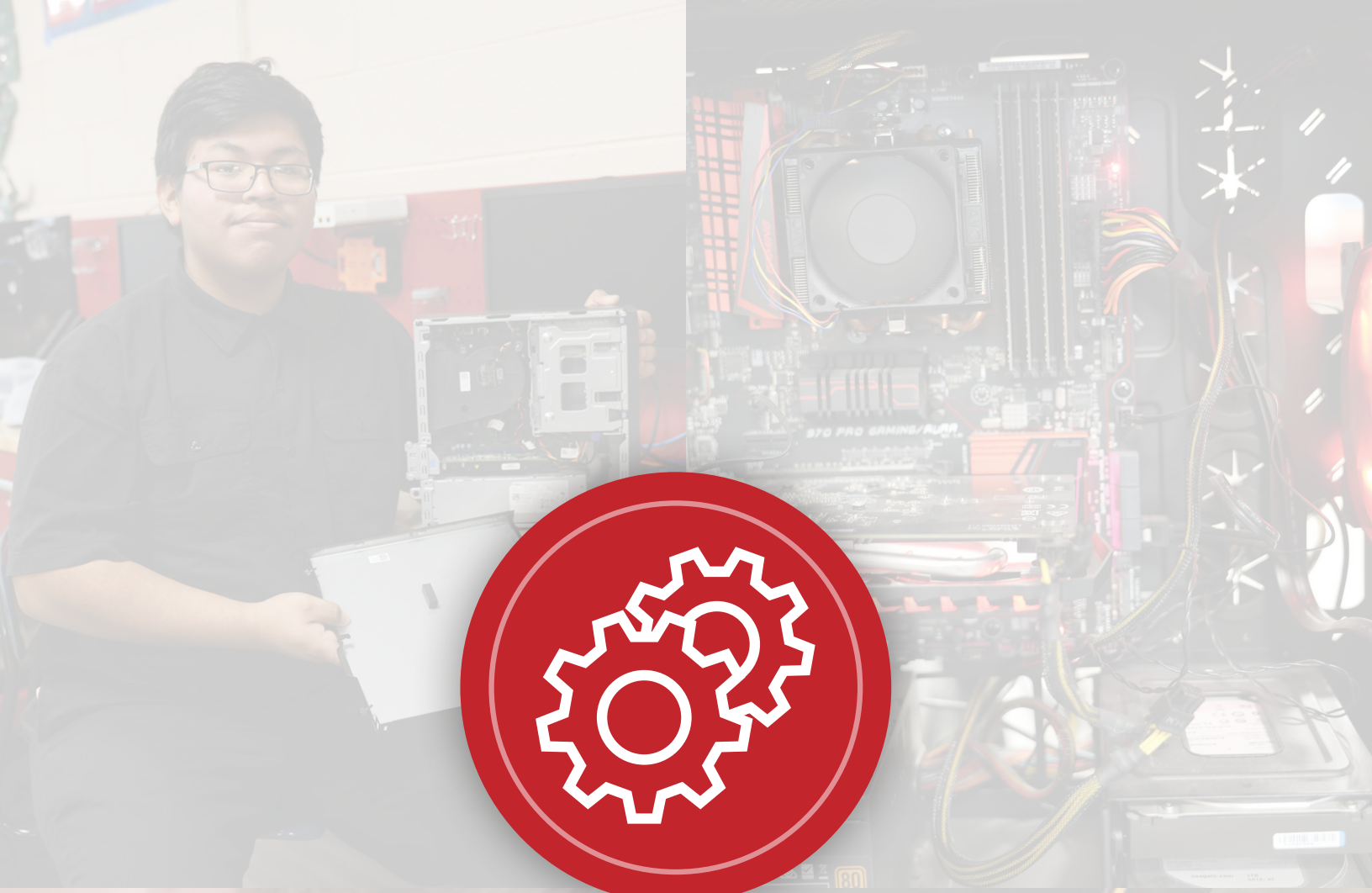
Eastern Suffolk BOCES

DID YOU KNOW?

AT THE ACADEMY, STUDENTS ACQUIRE **LIFE SKILLS** THAT APPLY TO **ANY CAREER**

More than half of employers report that applicants lack basic skills. These basic "employability" skills are taught in The Academy's programs and include:

COMMUNICATION	TEAMWORK
LEADERSHIP	GOAL SETTING
RESOURCE MANAGEMENT	USING TECHNOLOGY
PERSONAL RESPONSIBILITY	HIGHER-ORDER THINKING

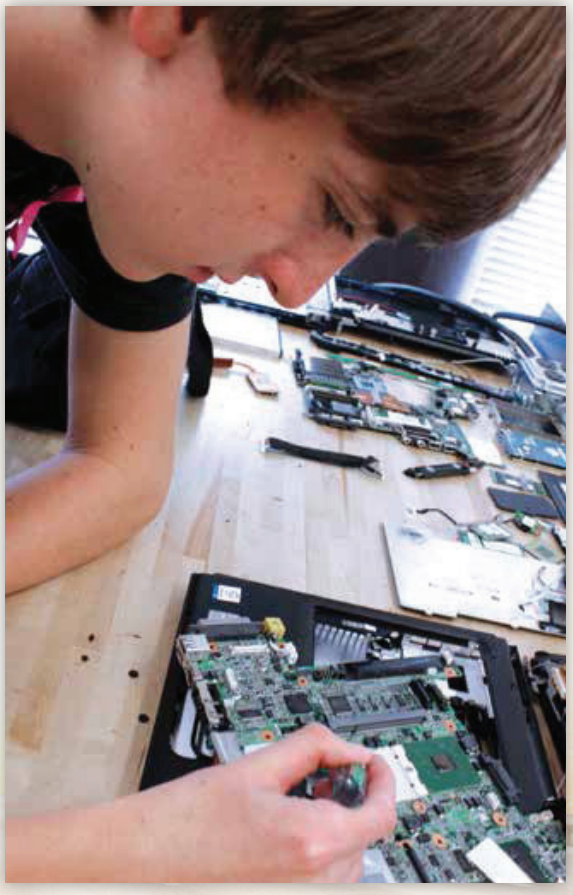


Manufacturing Technology

The Manufacturing Technology Career cluster blends innovative technologies and practices to enhance design and production. It covers areas such as engineering, research and development, automation and artificial intelligence, equipment maintenance, safety protocols, and quality control. This cluster aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.

Manufacturing Technology

HIT THE TECHNICAL HIGHWAY!



Ongoing developments in the computer industry are generating exciting new job opportunities every day. The proliferation of computer systems in the workplace has created a huge demand for people who can set up, repair, and maintain computers and their technological components.

This course offers you the opportunity to achieve CompTIA A+certification, preparing you to enter the workforce!



COME AND EXPLORE ALL THAT OUR DYNAMIC **COMPUTER REPAIR AND NETWORKING** PROGRAM HAS TO OFFER!

COMPUTER REPAIR & NETWORKING

COURSE CODE 10003

CIP CODE 47.0104

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This combined course is designed to prepare students with practical experiences and related theory leading to an entry-level position as a Computer Repair Technician. Students will learn how to use test equipment and software to troubleshoot and correct common personal computer problems. Students will receive the necessary instruction to prepare for the CompTIA A+Certification exam at the completion of Year 1. The CompTIA A+ Certification is recognized industry-wide and represents six months of work-related experience. This course is also designed to give students core knowledge of information systems, development and project management. If students return for the second year of the program, they will prepare for the Network+ Certification.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
COMPUTER REPAIR & NETWORKING	01156			72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
COMPUTER REPAIR & NETWORKING	✓			

CERTIFICATION OPPORTUNITIES

Year 1:
Comp TIA A+; OSHA-10; Test Out

Year 2:
Network +; ETA Electronics Technician, OSHA-30

SUGGESTED SUPPORTIVE COURSES

Algebra, English

Students enrolling in this program are expected to show proficiency in math and science by scoring a min. of 75% on the Algebra Regents and a min. of 75% on a Science Regents.

APPROXIMATE COSTS

- Tools: $75
- OSHA Certification: $250
- Comp TIA Certification: $450
- ETA Electronics Certification: $80

COURSE CONTENT - FIRST YEAR

- Basic Electricity
- Digital Electronics
- Electronic Circuit Troubleshooting
- Microprocessor Fundamentals
- Computer Hardware
- Hardware/Software Troubleshooting
- Data Communications
- Network Cabling
- Customer Service
- Operating Systems
- System Boards
- Input/Output Devices
- Data Storage
- Printer Servicing
- Video Displays
- Multimedia Hardware
- Preventive Maintenance
- VR Headsets
- 3D Printers
- Cloud Computers

COURSE CONTENT - SECOND YEAR (OPTIONAL)

- Advanced PC Hardware
- Advanced Networking
- Low Voltage
- Local Area Networks
- Routers and Switches

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST.



Manufacturing Technology

Find your bright spot in heavy metal!

WELDING/METAL FABRICATION

Welders work in the manufacture of fabricated metal products, transportation equipment, machinery, and architectural and structural metals. Welders can also be found in automotive restoration and in custom motorcycle work. Experienced welders can advance to positions as technicians, supervisors, inspectors, and instructors, or may open their own repair shops. Others, especially those who obtain a bachelor's degree, may become welding engineers.

Employment prospects are bright!

Here's your opportunity to obtain the entry-level skills you need to begin a career in welding.

WELDING/METAL FABRICATION

COURSE CODE 13207

CIP CODE 48.0508

♦ **THIS IS A ONE-YEAR COURSE**

(with the option of continuing a second year, depending on seat availability)

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

The Welding/Metal Fabrication program prepares students for careers across industries where welding is in high demand. Students learn electric ARC, TIG, MIG, and Plasma ARC welding techniques through hands-on applications in our state-of-the-art welding shops. Entry-level skills in electric ARC, TIG, MIG and Plasma ARC welding techniques are introduced. These techniques are developed in areas from heavy ferrous material to highly-specialized light metals common to Long Island industry. Welding, according to specifications and blueprints, is emphasized.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
WELDING/METAL FABRICATION	01156	02152	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
WELDING/METAL FABRICATION		✓	✓	

CERTIFICATION OPPORTUNITIES

OSHA-10
OSHA-30 (optional)

SUGGESTED SUPPORTIVE COURSES

Algebra
Mechanical Drawing
Metal Shop

APPROXIMATE COSTS

- Approved footwear and clothing $300

COURSE CONTENT

- MIG and TIG (Heli-ARC) Theory and Practice
- Thin Gauge Metal, Aircraft, and Sheet Metal Fabrication
- Brazing Light-Gauge Sheet Metal
- Sheet Metal Fabrication
- Blueprint Reading, Layout, and Measurement
- Plasma Arc Cutting and Resistance Spot-Welding
- ARC Welding in Sheet and Plate Fabrication
- Oxyacetylene Welding and Brazing (Maintenance Welding Techniques)
- Shielded Metal ARC Welding (Stick Electrode) using AC and DC Welding Machines (Construction Welding Equipment Repair)
- Pipe Welding
- MIG and TIG Welding (Heavy-Gauge Steel Construction Application)
- Manual and Semi-Automatic Flame Cutting
- Layout Work and Welding to Measurement, Job Design
- Plasma Cutting Techniques

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Eastern Suffolk BOCES

DID YOU KNOW?

EVERY PROGRAM AT THE ACADEMY **COLLEGE ARTICULATION CREDIT**

Every Academy program has one or more articulation agreements with higher education institutions. Students can meet preliminary requirements for post-secondary degrees while still in high school. These programs increase the number of students going to college and improve their likelihood of success.

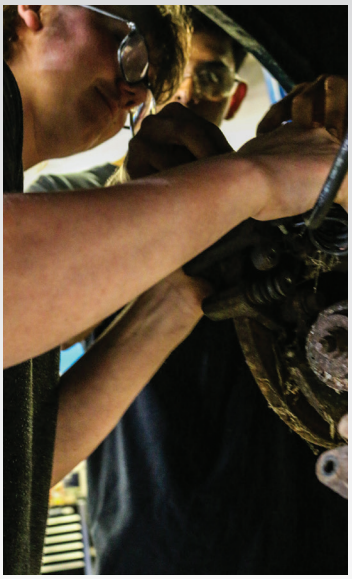
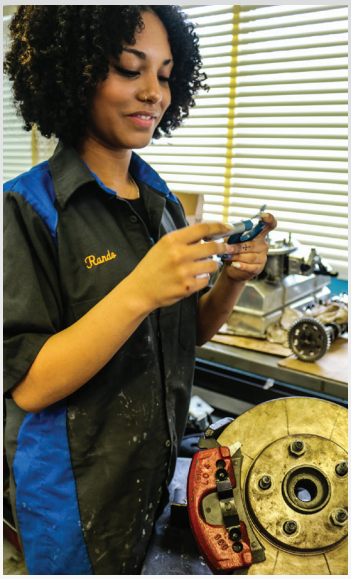
- Your teen will **reduce the time and tuition needed to earn a post-secondary degree** through technical school or two- or four-year college.
- The Academy programs help your teen **develop essential study habits** and **critical thinking skills** needed to succeed in college.



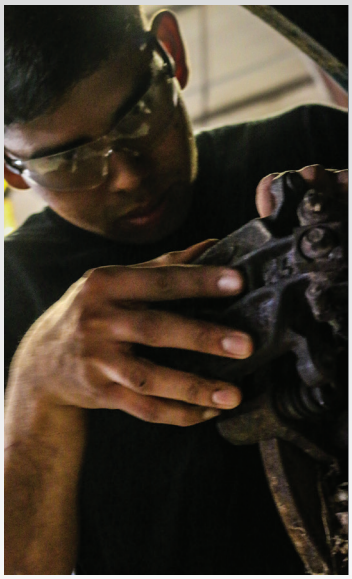
Transportation, Distribution & Logistics

Careers encompassing the repair and operation maintenance of transportation systems, including ground vehicles, aircraft, and nautical vessels. This field also integrates specialized areas such as auto body and engine repair and is increasingly influenced by advancements in technology. Professionals in this field ensure that all forms of transportation equipment operate safely and efficiently, adapting to new technologies to meet evolving demands.

AUTO BODY REPAIR & CAR CUSTOMIZING





GET SET FOR A HIGH TECH FINISH!

Come join the booming, high-paying field of auto body repair and car customizing. You will train, hands-on, as a collision repair and refinishing specialist with today's brand name products in an exciting, evolving, high-tech environment. This course will prepare you for I-Car Certification. You will also learn what it takes to provide outstanding customer service and the communication skills necessary to interact with other professionals in this high-demand industry.

Advanced college/trade school credit is available to qualifying students.

AUTO BODY REPAIR & CAR CUSTOMIZING

COURSE CODE 20116

CIP CODE 47.0603

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:
In this program, students learn how to dismantle and reassemble damaged automobile components, straighten metal parts and car frames, straighten dents, use filler compounds, grinding techniques, and prepare a car for the refinishing shop. Students will also learn how to select and mix paint according to the latest EPA guidelines, as well as the proper techniques in paint application. Students will also gain hands-on experience in vehicle customization using state-of-the-art industry-standard equipment.

CERTIFICATION OPPORTUNITIES

I-CAR® CERTIFICATION
SP2 CERTIFICATION
LIFT CERTIFICATION

EDUCATIONAL OPPORTUNITY

Advanced College Standing
Degree Programs or Certificate
Advanced I-Car® Training
Two-Year Technical College
Bachelor Degree

APPROXIMATE COSTS

- Uniforms: $200
- Tools: $250

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
AUTO BODY REPAIR & CAR CUSTOMIZING	01156	02152	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
AUTO BODY REPAIR & CAR CUSTOMIZING		✓	✓	

COURSE CONTENT

- S/P2 Safety Training
- Estimating/Billing
- Basic Metal Straightening/Repair
- Plastic Filler Application
- Auto Body Refinishing in a Spray Booth
- Removal/Alignment and Replacement of Welded, Bolted, and Glued on Applications
- MIG Welding/STRSW
- Live Mapping Laser Measure System and Frame Machine
- Off-Road Modifications
- Vehicle Refinishing
- Supplemental Restraint Systems (Air Bag and Seat Belt Systems)
- Heating, Cooling, Steering, and Suspension Systems
- Off-Road Customizing
- Tire and Transmission Modification
- Electronic Circuit Fundamentals
- Battery and Alternator Upgrades
- Soldering
- Storage of Batteries (Testing, Charging, and Troubleshooting)
- Kicker and Remote Amp Installation and Design
- Welding
- Vinyl Wrapping

CAREER OPPORTUNITIES

- Auto Body Material and Supply Representative
- Auto Parts Dismantler/Recycler
- Auto Restoration
- Body Assembly/Disassembly
- Exterior and Interior Auto Detailer
- Fiberglass Body Repairer
- Frame Technician
- Heavy Collision Repair
- Insurance Adjuster/Estimator
- Manager/Shop Manager
- Painter/Refinisher
- Parts Representative
- Rental Car Agency Representative
- Service Writer
- Welder/Fabricator
- Vehicle Customizing

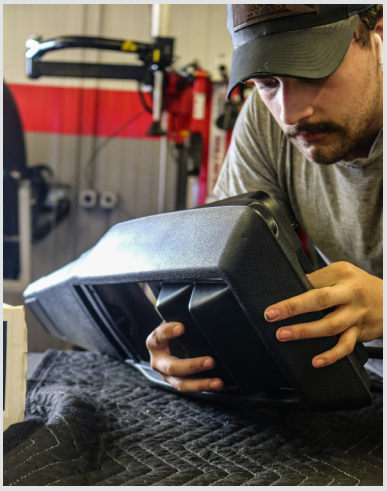
ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

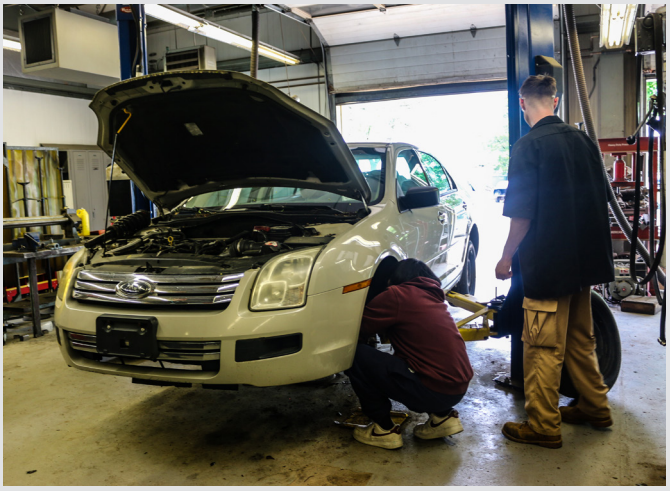
SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

AUTOMOTIVE TECHNOLOGY

Tune up your career in this growing field which offers job opportunities in a wide variety of areas. You will gain the hands-on training you need in computer diagnostics, engine performance, automotive electronics, transmission repair, brakes, suspensions, and more. You will also have an opportunity to work alongside automotive service technicians in some of the best dealerships in Suffolk County.







MAKE YOUR PASSION YOUR PROFESSION!

AUTOMOTIVE TECHNOLOGY

COURSE CODE 20104

CIP CODE 47.0604

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:

This two-year program is accredited by the National Institute for Automotive Service Excellence (ASE®) and provides students with the ASE Education Foundation's theory and practice in the use of tools, special equipment, technical manuals, computerized service equipment, service specifications, diagnosis and methods of repair through teamwork, problem solving and critical thinking skills. Students will be prepared for The National Institute for Auto Service Excellence examination and have the option to be approved by the New York State Department of Motor Vehicles in NY State Inspection. High-achieving juniors will have the opportunity to enter the AYES Program, which is a two-year apprentice program, administered through The Academy with local dealerships.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
AUTOMOTIVE TECHNOLOGY	01156	02152	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
AUTOMOTIVE TECHNOLOGY		✓	✓	

CERTIFICATION OPPORTUNITIES

Automotive Service Excellence (ASE®), Maintenance and Light Repair & Auto Service Technician; NYS Certified Motor Vehicle Inspector; Snap-On® Digital Multi Meter; SP2®/Safety

EDUCATIONAL OPPORTUNITY

Advanced College Standing
Degree Programs or Certificate
Advanced I-Car® Training
Two-Year Technical College
Bachelor Degree

APPROXIMATE COSTS

- Uniforms $200
- Tools $250

COURSE CONTENT

- Engine Repair
- Automatic Transmission and Transaxle
- Manual Drive Train and Axle
- Suspension and Steering
- Brake Systems
- Electrical/Electronic Systems
- Heating and Air Conditioning
- Engine Performance

CAREER OPPORTUNITIES

- Automotive Specialized Technician
- Automotive Technician
- Customer Service Advisor
- Lubrication Technician
- Parts Associate
- Service Advisor
- Service Associate

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Transportation, Distribution & Logistics

Soar above your friends!

Learn to fly with The Academy!

You look up into the sky every time you hear an airplane passing! You've been thinking about learning to fly for a long time, probably since you were a kid, but you haven't taken that first step to turn your dream into a reality. Well, now is the time!

Our **AVIATION/PROFESSIONAL PILOT TRAINING** program prepares students to receive their Federal Aviation Administration (FAA) Private Pilot Certificate.





"Great learning experience"

— RECENT COMPLETER

AVIATION/PROFESSIONAL PILOT TRAINING

COURSE CODE 20053

CIP CODE 49.0102

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description - Year 1:

The students will study aerodynamics, navigation, meteorology, aviation physiology, airplane performance, and air traffic control procedures. They will operate an actual aircraft as well as flight simulators. All students will be prepared to take the Federal Aviation Administration (FAA) Private Pilot Knowledge Exam (FAA testing procedures apply) and the FAA 3rd Class Medical Exam by the end of the first year.

Course Description - Year 2:

Students who have passed the FAA Private Pilot Knowledge Exam and the FAA 3rd Class Medical Exam will be eligible to enroll in the second year of the program. Students will have ground school and flight instruction in a single engine training aircraft. All flight time earned will be recorded in student logbooks and can be credited toward pilot certification. Students will also use an FAA-approved aviation training device, full motion simulator as well as academic software to cover aviation science areas and FAA exam material.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
AVIATION/PROF. PILOT TRAINING	01156	02153	03209	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
AVIATION/PROF. PILOT TRAINING	✓			

CERTIFICATION OPPORTUNITIES

OPTIONAL:
Federal Aviation Administration Private Pilot Certification
(Additional fees will apply)

SUGGESTED SUPPORTIVE COURSES

Algebra • Earth Science • Physics

EDUCATIONAL OPPORTUNITY

Advanced College & Military Standing

APPROXIMATE COSTS

- **Industry Publications: $25-$50**
- **Uniform: $100**
- **FAA Knowledge Exam Fee: $175**
- **FAA Medical Exam Fee: $250**
  (Note: Certain medications or medical conditions may disqualify a student from passing the FAA Medical Review. Please see instructor for additional guidance)
- **Flight time varies by flight schools**

COURSE CONTENT

- Science of Meteorology
- Basic Sciences of Pre-Flight (Ground School)
- Airport Layout and Design
- Navigation and Related Mathematics
- Radio Communications
- Airplane Construction
- Air Traffic Control
- Aerodynamics and Related Services

CAREER OPPORTUNITIES

- Professional Pilot
- Air Traffic Controller and Services
- Military Options
- Aircraft Dispatcher
- Meteorology
- Aircraft Avionics Technician
- Flight and Ground Instruction
- Aircraft Management
- Airport Operations
- Aeronautical Engineer
- Aircraft Mechanic/Repairman

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

MARINE/MOTORSPORTS TECHNOLOGY

Do boats, quads, or motorcycles rev your engine?

Consider becoming a marine or motorsports technician. In this booming field, technicians are needed in specialty shops, repair facilities, marinas and dealerships. Engine and vehicle systems theory, performance, vehicle maintenance, modifications, as well as factory-supported training through Yamaha Motor Corporation and Mercury are featured in this course. Dyno tune your motorcycle, quad, or boat engine for maximum performance and beat the competition





MARINE/MOTORSPORTS TECHNOLOGY

COURSE CODE 470606

CIP CODE 510808

♦ **THIS IS A TWO-YEAR COURSE**

CLASS BEGINS SEPTEMBER, OFFERED IN AM AND PM

Course Description:
Instruction will introduce and reinforce core knowledge in engine systems, drive systems, electrical and electronics systems, fuel systems, fabrication, and engine machining. Students will learn how motorsport vehicles are built, how they work and how to approach a repair. Students will have the opportunity to utilize our engine dynamometers to reinforce theory and prove performance modifications. Graduates will leave with the knowledge required to enter a broad array of the motorsports trades, including automotive, marine, motorcycle, and heavy equipment. Take advantage of our highly successful work study program and gain hands-on industry experience with senior technicians while you're still in high school.

RECOMMENDED SCED COURSE CODES FOR NYSED-APPROVED CREDIT DISTRIBUTION					
PROGRAM	ELA	MATH	SCIENCE	CAREER & FINANCIAL MANAGEMENT (.5 CREDIT)	OTHER
MARINE/MOTORSPORTS TECHNOLOGY	01156	02153	03211	72211	

LOCATIONS				
PROGRAM	GARY D. BIXHORN TECHNICAL CENTER	EDWARD J. MILLIKEN TECHNICAL CENTER	HARRY B. WARD TECHNICAL CENTER	IN-DISTRICT
MARINE/MOTORSPORTS TECHNOLOGY	✓			

CERTIFICATION OPPORTUNITIES

YAMAHA AND MERCURY OUTBOARD SYSTEMS SNAP-ON® MULTIMETER

INDUSTRY SUPPORT

Yamaha Motor Corporation
Association of Marine Industries
Mercury
New York Marine Trades Association

APPROXIMATE COSTS

- Uniform & Boots: $75

COURSE CONTENT

- Gasoline Engine Theory
- Troubleshooting
- Fuel Systems
- Ignition Systems
- Lubrication Systems
- Charging Systems
- Valve Train Systems
- Fabrication
- Shop Procedures
- Shrink Wrapping
- Diesel Engine Theory
- Cylinder Boring and Honing
- Fuel Injection
- Cooling Systems
- Electrical Systems
- Starting Systems
- Drive Systems
- Welding/Machining
- Equipment Maintenance
- Winterization Procedures

CAREER OPPORTUNITIES

- Marine Technician
- Motorcycle Technician
- ATV Technician
- Machine Shop Assistant
- Power Equipment Technician
- Fabricator
- Welder's Assistant

ADVANCED COLLEGE/TRADE SCHOOL CREDIT IS AVAILABLE TO QUALIFYING STUDENTS FROM VARIOUS INSTITUTIONS

SCAN TO VIEW OUR CURRENT PARTNERSHIPS

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Eastern Suffolk BOCES

LCE







LOCAL CAREER EDUCATION COURSE OFFERINGS



LCE

Local Career Education (LCE) creates opportunities for all students by providing them with the technical and academic skills needed to prepare for future employment and a successful path to college or other post-secondary programs.

Local Career Education (LCE) serves students who may benefit from a more restrictive environment from the component school districts. This program provides a self-contained learning environment with modifications as determined by the Committees on Special Education (i.e., 12-1-1 and 8-1-1). The Gary D. Bixhorn Technical Center (BTC), the Islip Career Center (ICC), and Harry B. Ward Technical Center (WTC) serve high school students who are 15.5 (15 years and 6 months) of age by September 1st until the age of 21.

LCE provides technical training to prepare students for a successful career. The structured training gives students the tools needed to be successful in a job after high school and/or further post-secondary education. Each student is encouraged to explore various areas of study and to develop the essential skills to feel competent in entering today's competitive job market, while helping them to learn how to cope with their disabilities in the workplace.

For more information or to arrange a tour, please feel free to contact us at (631) 244-1629 or email us at powertosucceed@esboces.org.





AGRICULTURE, FOOD & NATURAL RESOURCES

Introduction to Canine Careers 109
Introduction to Horticulture 111



ARCHITECTURE & CONSTRUCTION

Introduction to Carpentry 113
Introduction to Heating, Ventilation & Air Conditioning (HVAC) 115
Facilities Maintenance 117



ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Introduction to Computer Graphic Arts Technology 119
Introduction to Digital Media Production 121



EDUCATION & TRAINING

Introduction to Early Childhood Education 123



HOSPITALITY & TOURISM

Food Preparation & Service 125
Introduction to Baking 127
Introduction to Cooking 129



HUMAN SERVICES/APPEARANCE ENHANCEMENT

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MANUFACTURING TECHNOLOGY

Introduction to Welding/Metal Fabrication 143



TRANSPORTATION, DISTRIBUTION & LOGISTICS/CTE

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LOCAL CAREER EDUCATION (LCE)

(Formerly known as Special Career Education - SCE)

Flexible Access. Student Support. Real-World Skills.

Local Career Education allows students to participate in career and technical education programs that are adaptable to both industry and student educational needs.



WHAT IS LCE?

- Daily instruction in shops & labs using industry-standard equipment
- Small class sizes
- Para-educators in every classroom
- Specialized supports
- Dedicated, industry-expert staff

WHAT DOES LCE PROVIDE?

- Inclusive learning environments
- Flexible support based on student need
- Compliance with IEP service delivery
- Career and life-skill readiness
- Work-based learning placements
- Industry certifications (where applicable)

WHY DOES LCE MATTER?

- Builds career skills
- Encourages independence
- Prepares students for college, career, and workforce

STUDENT SUPPORTS

- Dedicated school counselor, social worker, work-based learning coordinator, and psychologist
- Services provided on an individual and group basis, as required
- All supports embedded throughout the school day
- LCE Classes offered at BTC, ICC, and WTC

Eastern Suffolk BOCES

OUR PROMISE TO FAMILIES

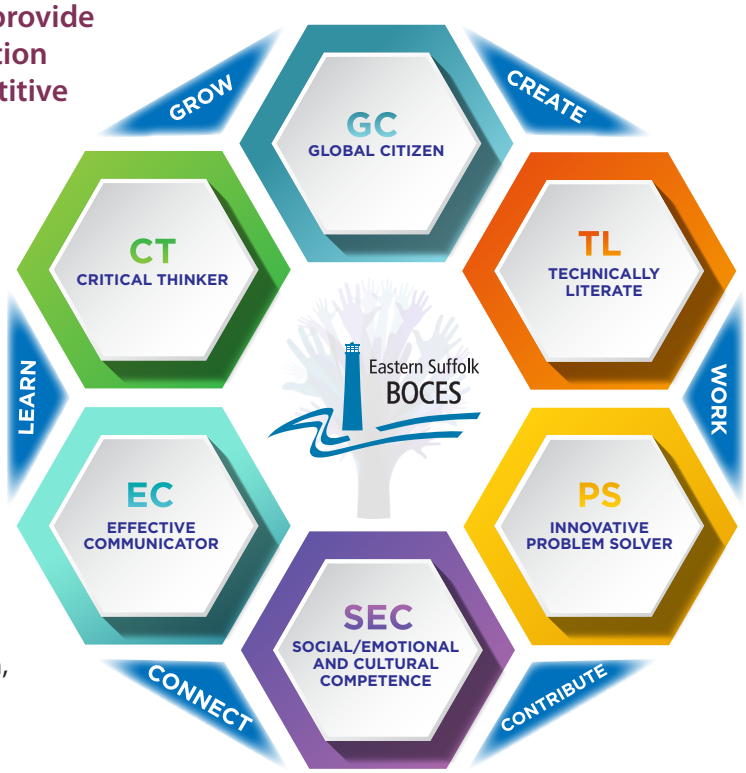
We are committed to **strong communication, individualized support, and student success**—every step of the way.

PORTRAIT OF A LOCAL CAREER EDUCATION PROGRAM COMPLETER

The purpose of Local Career Education (LCE) is to provide quality career education programs that will transition each student from secondary education to competitive employment.

Students who complete a program of study in any of the Eastern Suffolk BOCES LCE programs will be able to demonstrate:

- Competency in specific technical skills and knowledge through participation in the Local Career Education program of his/her choosing. Achievement will be reflected in each student's Employability Profile Report and quarterly grade.
- Successful completion in a paid or unpaid work-based learning experience leading to well-developed employability skills/work ethics and permanent employment.
- Increased confidence, awareness of self-worth, and maturity, as well as knowledge of, and competency in, interacting with people from diverse backgrounds.
- Participation in appropriate transition planning.



A program of study may lead to the following outcomes:

- Obtaining an entry-level position in the workforce as the first step in his/her career path.
- Articulation into our Academy program, Eastern Suffolk BOCES Adult and Health Sciences programs, a college or a trade school as a result of his/her course of study with our program.
- Acceptance into other career training programs such as Supported Employment and other community-based agency programs.
- Referrals to various state agencies for continued support, such as Adult Career and Continuing Education Service (ACCES)/Vocational Rehabilitation and the Office for People With Developmental Disabilities/Office of Mental Health.
- Successful completion of New York State requirements to be eligible to receive a Skills and Achievement Commencement Credential (SACC) or a Career Development and Occupational Studies (CDOS) Credential.

GENERAL STATEMENT ON ADMISSIONS

Eastern Suffolk BOCES LCE courses are offered as part of Career and Technical Education for secondary level students. These courses can lead to entry-level employment or post-secondary education.

All students have the right of accessibility to programs of instruction available at the Technical Centers and Local Career Education Centers within the Supervisory District. Eleventh and twelfth grade students may be eligible for admission in the Secondary Career and Technical Education (CTE) Program. Any student 15.5 (15 years and 6 months) to twenty-one (21) years of age who has been recommended by the District Committee on Special Education is eligible for placement in the LCE Program. It is the responsibility of the professional staff to inform students of these opportunities for employment training and assist them in wise and meaningful program selection.

LOCAL CAREER EDUCATION STUDENT REGISTRATION PROCEDURES

1. The registration process begins with the completion and submission of an LCE Intake Application to the Admissions Office (see # 6 below). The LCE Intake Application must be completed, signed appropriately, and received before a student will be enrolled into an Eastern Suffolk BOCES program. Students should not be sent to an Eastern Suffolk BOCES program until the sending district has received confirmation of admission. All LCE Intake Application Forms should be printed neatly in ink.

2. An LCE Intake Application Form needs to be filed each year the student is enrolled. The LCE Intake Application Form must be accompanied by the following supportive documentation: high school transcript, current IEP, Level II Assessment, and current Psychological assessment (strongly suggested). A new LCE Intake Application Form is required for students each year. Students transferring between the Eastern Suffolk BOCES Career & Tech Academy and Local Career Education programs need to submit a new LCE Intake Application Form as per procedures above.

3. Students attending parochial or private schools need to have their home school district approval. A student attaining post-graduate status that the district agrees to continue in a Local Career Education (LCE) enrollment is required to have a LCE Intake Application Form submitted. The signature of the authorizing school district official must appear on the Eastern Suffolk BOCES form on the line entitled "Signature of District Superintendent or Designee."

4. If it is the policy of your school board to require tuition payments of post-graduates, the payment arrangements must be contracted between the individual student and your local board. Upon receipt of an approved LCE Intake Application Form, Eastern Suffolk BOCES will assume local arrangements have been completed. The student will be officially enrolled and regular billing procedures will be implemented between the Cooperative Education Board and your district.

5. A student classified by his/her district CSE must have supportive information concerning the disability submitted along with the LCE Intake Application Form and the appropriate box on the form must be checked. Supportive data is defined as a current IEP, Psychological or summary report, medical report, school grade reports or transcript, and a Level II vocational assessment report. Please be sure to check the space on the LCE Intake Application Form to indicate the program in which a student is to be enrolled.

6. The grade level in which the student is enrolled at the time or date that the application is completed should be used on the application.

7. Intake/Commitment Information forms for enrollment to all Local Career Education Programs are to be forwarded to the Admissions Office, Instructional Support Center @ Sequoya, 750 Waverly Avenue, Holtsville, NY 11742. Admissions Office: (631) 419-1629 / Fax: (631) 240-8974.

For further information please contact the Guidance Office at the following numbers:

- **Gary D. Bixhorn Technical Center:** (631) 286-6516
- **Harry B. Ward Technical Center:** (631) 208-2038
- **Islip Career Center:** (631) 244-5903

LOCAL CAREER EDUCATION ADMISSIONS

For CTE Admissions information, see Page 9

CALENDAR

The District Superintendent's recommended school calendar will be followed. The Local Career Education schedules for the three centers are as follows:

Gary D. Bixhorn Technical Center and **Harry B. Ward Technical Center**:
The morning session will begin at 7:45am and end at 10:15am
The afternoon session will begin at 12:00pm and end at 2:30pm.

Islip Career Center:
The morning session will begin at 7:45am and end at 10:15am
The afternoon session will begin at 11:15am and end at 1:45pm

GARY D. BIXHORN TECHNICAL CENTER, HARRY B. WARD TECHNICAL CENTER, AND ISLIP CAREER CENTER

Course curricula incorporate NY State Standards and integrates the Career Development and Occupational Studies (CDOS) and Career Plan into all learning areas. Students may enter the program in an exploratory or career concentration phase. During the exploratory phase, students are provided with an opportunity to experience the various Local Career Education areas within a particular cluster. During the career concentration phase, students are trained in a particular module, based on a recommendation obtained from the instructor, student interest, counselor, CSE reviews, and Transitional Review Committee (TRC).

Career and Financial Management is a requirement for all New York State Education Department approved Career and Technical Education programs and has also been integrated into all Eastern Suffolk BOCES Local Career Education courses.

The goal of LCE programs is to develop a transitional plan which will assist to develop job entry-level skills and/or life skills in accordance with the student's transition plan. This could include or lead to:

- Mainstreaming at the Technical Center
- An Entry-Level Job
- Post-Secondary Education/Training
- Other Type of Employment
- Diversified Cooperative Career Education, School-to-Work Instruction, Supported Employment, and referrals to the Office of ACCES-VR are available to assist in the transition to the work environment.

The LCE program also provides the following support services:

a. Counselors provide students with supportive individual and group counseling which includes conflict resolution, peer mediation, career decision making, employability skills, and personal adjustment. Communication with parents and district contact personnel is also maintained.

b. Placement personnel act as liaisons with community employers and industry to develop and assist in securing positions for students.

LOCAL CAREER EDUCATION GRADE REPORTING SYSTEM

The regular reporting of Local Career Education student achievement to component school districts will be accomplished by submission of individual report cards on a quarterly basis and individualized Career Education Reports. These reports will be furnished to each high school at the conclusion of each ten-week period of student attendance in accordance with a schedule to be published in the annual Eastern Suffolk BOCES Career and Technical Education and Staff Activity Calendar.

Grades will be based on an achievement grade (written and practical tests, quizzes, homework, notebook and skill performance) and a class participation grade. The grades will represent the overall achievement and understanding of the work completed in the classroom. The final grade provided will indicate the overall achievement for completing the school year's course(s). A numerical grading scale, with a passing grade of 65, will be used.

NUMERIC GRADE	ALPHA EQUIVALENT
90-99	A
80-89	B
70-79	C
65-69	D
Below 65	F
OTHER GRADES: LE = Late Entry • I = Incomplete • NG = No Grade	

The grading scale is shown in the table to the right with both the numeric grade and it's alpha equivalent. The grading scale is as follows: Late Entry (LE) is given when a student enters the program late in a quarter and cannot be evaluated. No Grade (NG) is given when students have not been in class for an extended period of time. An Incomplete (I) may be issued, at the discretion of the teacher, in any of the first three quarters, to give a student 10 school days to make up unfinished work. Each student will also be evaluated on the basis of career-related behavioral performances as identified in the student's Career Education Report.

EMPLOYABILITY PROFILE

An Employability Profile is issued at the end of each course. The Employability Profile assesses specific career-related skills and appropriate workplace behaviors as well as employability characteristics.



GUIDELINES FOR LOCAL CAREER EDUCATION STUDENT PLACEMENT

This chart and the pages that follow reflect BOCES student placement policy guidelines. These guidelines provide the framework in determining an appropriate career/technical education course placement where a student has the best chance of a successful educational outcome.

Student Criteria	Exploratory Phase	Career Concentration Phase	"Transitional" Phase
Student Profile	Student needs to explore career options or is new to the program	Student demonstrates ability and may be employable in the chosen field	Student excels after at least one full year and demonstrates skills, characteristics, and other qualities necessary for Technical Education placement
Job Specific Skills	75% are performed with close supervision	75% are performed with minimal supervision	80% are performed independently
Student Management Needs	Moderate	Moderate to Minimal	Minimal
Employability Characteristics	A minimum of 6 of the 10 characteristics are rated satisfactory	A minimum of 8 of the 10 characteristics are rated satisfactory	A minimum of 7 of the 10 characteristics are rated excellent including the attendance category*

Teacher and Guidance Recommendation

Teacher and Guidance Recommendation
Transition Review Committee (TRC) and District Review

** In order to be considered to have excellent attendance, a student must have no more than eight (8) days absent over a period of one (1) year.*

Upon the LCE Teacher recommendation, a Transition Review Committee (TRC) convenes for each student being considered for the technical education program. The committee may include but not be limited to the following individuals: the LCE teacher, LCE administrator, guidance counselor, nurse, and work-study coordinator. Transition to the Eastern Suffolk BOCES Career & Tech Academy program must include demonstrated evidence that the student has the academic CTE ability to succeed based on the industry standards for the recommended occupational program.

Student Management Needs

- Preparedness
- Daily Assignments
- Class Participation
- Courteous in Class
- Shows Enthusiasm for Subject Area
- Acts Appropriately
- Peer Relationships
- Tolerates Frustration
- Productive in Class

Employable Characteristics

- Attitude
- Attire
- Communication
- Responsibility
- Attendance
- Punctuality
- Cooperation
- Initiative
- Safety
- Self-Directed

ACADEMIC CREDIT OPPORTUNITIES

All LCE program curricula have been cross-walked to New York State's content-area standards to confirm the academic learning that is integrated into each program. Please contact the Guidance Department for more information on opportunities to meet academic standards through successful completion of a LCE program.

Eastern Suffolk BOCES

WHAT GRADUATES ARE SAYING ABOUT THE ACADEMY



EASTERN SUFFOLK BOCES LOCAL CAREER EDUCATION COURSE LISTING BY LOCATION

PROGRAM	BTC GARY D. BIXHORN TECHNICAL CENTER	WTC HARRY B. WARD TECHNICAL CENTER	ICC ISLIP CAREER CENTER
Introduction to Appearance Enhancement			✓
Introduction to Auto Body Repair & Refinishing			✓
Introduction to Auto Front End & Brakes			✓
Introduction to Baking			✓
Introduction to Canine Careers		✓	✓
Introduction to Carpentry			✓
Introduction to Computer Graphic Arts Technology			✓
Introduction to Cosmetology		✓	✓
Introduction to Digital Media Production			✓
Introduction to Early Childhood Education			✓
Introduction to Heating, Ventilation & Air Conditioning (HVAC)			✓
Introduction to Horticulture			✓
Introduction to Modern Automotive Technology			✓
Introduction to Personal Training			✓
Introduction to Welding/Metal Fabrication			✓
Facilities Maintenance			✓
Food Preparation & Service	✓	✓	✓
Health-Related Occupations			✓
Project SEARCH®			✓
Retail Store Services			✓
Transportation Service		✓	
Vehicle Maintenance & Light Repair			✓

TRANSPORTATION

Eastern Suffolk BOCES will provide transportation for all districts that request or require it.

COUNSELORS

GARY D. BIXHORN TECHNICAL CENTER

Albana Esposito - (631) 286-6515 • aesposit@esboces.org
Nicole Feldman - (631) 286-6516 • nfeldman@esboces.org

ISLIP CAREER CENTER

Jennifer MacDevitt - (631) 244-58907 • jmacdevi@esboces.org

HARRY B. WARD TECHNICAL CENTER

Mai Lan Boyce-Hurst - (631) 208-2038 • mhurst@esboces.org

WORK-BASED LEARNING

According to the Work-Based Learning (WBL) Manual from the New York State Education Department (NYSED):

> Work-based learning is authentic learning experiences that allow students to explore their career goals, abilities, and interests while applying their academic and technical knowledge and skills in a real-world context. These experiences are planned and supervised by instructional staff in collaboration with business, industry, or community partners. High quality work-based learning will provide effective and equitable experiences to empower all students to become confident workers and culturally competent citizens of New York State (p. 3).

ESBOCES students can select from a wide array of work-based learning experiences that take place in the workplace as well as the classroom. According to NYSED, there are three component areas of Work-Based Learning—Career Awareness, Career Exploration, and Career Development—with each area providing a focus on various opportunities that grow in-depth as students' interests, capacities, and experience increase throughout their program.

A Workplace Mentor is designated as the advocate for a particular student and who works in consultation with classroom teachers, counselors, related service personnel, and the employer of the student to design and monitor the progress of the school-to-work activities of the student. Students can select from:

CAREER AWARENESS OPPORTUNITIES

(Can count towards 20 hours of WBL)

CAREER FAIRS	CAREER INTEREST ASSESSMENTS	GUEST SPEAKER VISITS	INDUSTRY-RELATED CREDENTIALING	INDUSTRY TOURS

CAREER EXPLORATION OPPORTUNITIES

- **Community Service** is an instructional method combining community service with school-based reflection, emphasizing the connections between the service and academic learning. Though activities vary, most programs balance student's need to learn with recipient's need for service. Students and recipients each benefit.
- **Industry-Based Projects** are customer service activities in the classroom, supervised by an instructor/teacher.
- **Job Shadowing** student follows an employee at a business (one or more days) to learn about a particular occupation/industry.

CAREER DEVELOPMENT OPPORTUNITIES

- **CO-OP or Cooperative Work Experience** combines career and technical classroom study with paid productive work in a field related to the student's academic and career goals. Cooperative work experience enhances a student's technical, interpersonal and decision-making skills through a carefully designed and supervised training plan. By providing a dynamic school-business partnership, cooperative work experience helps students develop the professional skills necessary to compete in today's challenging workplace. It is also sometimes referred to as work study.
- **Internships** are structured, unpaid work-based learning experiences which allow students to intern for a limited period of time. Interning affords the student the opportunity to concurrently explore a career field, develop skills, and network with professionals in the industry.
- **Supervised Clinical Experience** clinical experience under direct supervision of the teacher. The student practices skills taught in class/lab, including communication and assessment, total patient care, vital signs, bed-making, aseptic technique and documentation.

ADDITIONALLY…

Career Counseling and Transition Services are provided through individual and group counseling that includes career decision-making, employability skills, and personal adjustment. Additional guidance support services are provided to students with disabilities that have been mainstreamed into a program at The Academy. School-To-Career Transition services are also available to all students who require assistance to successfully bridge the transition from school to the world of work. The content includes such areas as finding employment, filling out job applications, completing resumes, interviewing skills, appropriate work-related attitudes, and internship opportunities. Throughout all, communication with parents and district guidance counselors is maintained, and progress is updated on a regular basis (see page 17 for reporting cycles).

Agriculture, Food, & Natural Resources





INTRODUCTION TO CANINE CAREERS

INTERESTED IN A CAREER THAT ALLOWS YOU TO EXPRESS YOURSELF AND YOUR LOVE OF ANIMALS?

The **INTRODUCTION TO CANINE CAREERS** course introduces you to the identification, care, and handling of dogs while allowing you to explore your career interests in this rewarding and expanding field. You'll learn the basics of grooming, handling, breed identification, training agility and more. In addition, you'll become familiar with pet store operations, learn about job opportunities, and explore the possibility of further study in Canine Careers

INTRODUCTION TO CANINE CAREERS

COURSE CODE 18102

Course Description:

This course is designed to prepare students who are pursuing a career with dogs. The classroom environment simulates the skills performed in grooming salons and kennel facilities. Students will acquire basic skills in the following areas: grooming, massage techniques, kennel maintenance, handling, nutrition, obedience and agility training. Simulating a real work setting will assist students by increasing self-esteem and confidence as well as enhancing leadership, communication, organization and management skills.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.





COURSE CONTENT

- Orientation
- Safety
- Career and Financial Management
- Domestic Breed Identification
- Handling and Restraint
- T-Touch Massage Techniques
- Pet Shop Skills
- Careers with Animals
- Dog Grooming
- Kennel Maintenance Skills
- General Canine Care
- Dog Bite Prevention
- Behavior and Training
- Preventative Health
- Customer Service

CAREER OPPORTUNITIES

- Humane Society
- Animal Shelters
- Boarding Kennels
- Grooming Shops
- Veterinary Hospitals
- Dog Shows
- Canine Masseuse



Agriculture, Food, & Natural Resources

Cultivate Your Creative Talents

INTRODUCTION TO HORTICULTURE



Explore horticulture with down-to-earth careers working alongside nature. Showcase your creative and artistic talents by designing, arranging, and maintaining plants, flowers, topiaries, and water features.

Employment opportunities are plentiful in our local area, and graduates are in demand by landscaping contractors, garden centers and greenhouses, tree care companies, florists, and lawn irrigation installers.

Starting salaries are above average since there is a high demand for qualified applicants.

INTRODUCTION TO HORTICULTURE

COURSE CODE 18052

Course Description:

Basic horticultural theories provide the framework for the practical application of specific skills working outdoors and indoors with soil, seeds, plants, floral arrangements, greenhouse production, agricultural machinery, and landscaping.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.





COURSE CONTENT

- Floriculture
- Grounds Maintenance and Installation
- Landscape Maintenance and Installation
- Greenhouse Maintenance
- Plant Propagation
- Nursery Production
- Greenhouse Plant Production
- House Plants and Indoor Landscaping
- Floral Design
- Cut Flower Care
- Principles of Design
- Holiday Arrangements
- Wedding Designs
- Sympathy Designs
- Pricing Strategies
- Water Features
- Bonsai

CAREER OPPORTUNITIES

- Landscaper
- Gardener's Helper
- Golf Course Groundskeeper
- Floral Designer
- Floral Salesperson
- Garden Center Worker
- Stock Person
- Sales Person
- Greenhouse Worker
- Nursery Worker
- Equipment Operator
- Wholesale Salesperson



Architecture & Construction

THE SHAPE OF **SUCCESS!**

INTRODUCTION TO CARPENTRY



Are you a hands-on person with a desire to create and build? Explore a wide range of experiences in the world of woodworking. This course will equip you with the skills needed to build a career in carpentry. You will learn to use hand and power tools while becoming familiar with all stages of residential home building.

If you enjoy the satisfaction of being able to see what you have created after a day of work, then a career in CARPENTRY may be for you!

INTRODUCTION TO CARPENTRY

COURSE CODE 17005

Course Description:

In this course, you will explore a career in carpentry by working alongside industry professionals to develop a variety of skills that can lead to a future in anything from construction to art. You will learn to operate both hand and power tools that are used in state-of-the-art building today. In the Carpentry program, you will be exposed to all phases of residential construction such as framing, sheetrocking, cabinet-making as well as exterior and interior finishing. You will also learn to diagnose and repair common problems in the home. Students collaborate to fill customer orders and craft unique handmade projects. The classroom environment simulates an actual work-site where you will learn the skills of the trade.

Students will learn teamwork, time management, communication, and other essential tools while building confidence to become gainfully employed and successful in the field of carpentry

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.





COURSE CONTENT

- Cabinet Making
- Hardware Installation
- Framing and Sheathing
- Drywall
- Insulation
- Windows and Doors
- Roofing
- Exterior Finish
- Interior Finish

CAREER OPPORTUNITIES

- Apprentice Carpenter
- Sheetrock Installer
- Cabinet Maker
- Cabinet Installer
- Insulation Installer
- Framer
- Roofer
- Painter
- Furniture Maker's Assistant
- General Laborer
- Lumber Yard Worker



INTRODUCTION TO HEATING, VENTILATION & AIR CONDITIONING (HVAC)

Businesses, industries and homes all use the services of HVAC technicians.

Train for many different career paths including cooling and heating, control systems, and more. If eligible, you will have an opportunity to earn national licensing and certification in refrigerant handling from the Environmental Protection Agency (EPA) as well as gas and oil heat servicing certifications from North American Technician Excellence® (NATE), and National Oilheat Research Alliance (NORA).

INTRODUCTION TO HEATING, VENTILATION & AIR CONDITIONING (HVAC)

COURSE CODE 17057

Course Description:

Our program includes the installation, service and repair of air conditioning, cooling and heat pump systems, and electrical theory. An integral part of this program involves green technologies including geothermal and hot water heating, indoor air quality and High-Efficiency Particulate Air (HEPA) filtration as well as air sealing techniques. Students may qualify to take the Environmental Protection Agency (EPA) Certification test for the handling of refrigerants.

They may also qualify to become North American Technician Excellence (NATE) and National Oilheat Research Alliance (NORA) certified in gas and oil heat servicing.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Residential Air Conditioning
- Marketing
- Cooling and Heat Pump Systems
- Controls, Circuits, and Instruments
- Efficiency Rating
- Commercial Refrigeration
- Ice Machines
- Air Conditioning Systems
- Electrical Theory
- Indoor Air Quality
- Freezers and Freezing Systems
- Service Procedures and Troubleshooting
- Air and Duct Sealing
- Alternative Energy
- Energy Efficiency

CAREER OPPORTUNITIES

- Service Technician
- Service Manager
- Installer's Helper
- Parts Manager
- Small Business Owner/Operator
- Air Quality Control Specialist
- Heating & Air Conditioning Mechanic/Installer
- Manufacturer's Representative
- Salesperson
- Labor Union Apprentice



AT YOUR SERVICE...IN DEMAND!

FACILITIES MAINTENANCE







The need for qualified and dependable building workers is growing rapidly. Facilities maintenance workers may perform inside work such as janitorial and housekeeping duties, or outdoor duties such as grounds maintenance and upkeep. Students will learn to maintain pleasant outdoor surroundings through the installation and maintenance of landscaping, flower beds, and sprinkler systems. Light carpentry, plumbing, and electrical work are also a part of this course. This field offers a variety of work environments including commercial buildings, stores, hotels, and private residences.

FACILITIES MAINTENANCE

COURSE CODE 16103

Course Description:

This course will provide practical experience leading to entry-level skills in maintenance occupations. Students will learn how they are "key" to maintaining a safe, clean, and comfortable environment. They will learn how to perform custodial tasks that include: using custodial tools, equipment, and cleaning aids, as well as floor care, carpet and rug maintenance, cleaning glass, basic housekeeping, and other cleaning skills. During the course, the students will become familiar with various tools and skills that are used in the industry.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.



COURSE CONTENT

- Personal Protective Equipment
- Custodial Tools and Equipment
- Cleaning Aids
- Proper Cleaning Techniques
- Principles of Sanitation

CAREER OPPORTUNITIES

- Custodian Assistant
- Grounds Assistant
- Facilities Assistant



think Creatively.

INTRODUCTION TO COMPUTER GRAPHIC ARTS TECHNOLOGY

Graphic Design is all around us in movies, television, social media, advertising, and countless other areas. Communication relies on digital technology to create visual presentations that grab your attention. Explore your creativity while learning the basics of graphic design, photo retouching, and promotional advertising.

INTRODUCTION TO COMPUTER GRAPHIC ARTS TECHNOLOGY

COURSE CODE 11155

Course Description:

The primary goal of the Introduction to Computer Graphic Arts Technology program is to provide students with the skills, knowledge, and behaviors necessary to prepare them for post-secondary education or to obtain entry-level employment in the graphic design or digital print industry. The student will develop skills in communication, team collaboration, concept development, the principles and elements of design, current industry design software programs, Macintosh operating system, and a variety of traditional art and design tools. This course is also designed to help students increase self-esteem, self-confidence, and enhance leadership, interpersonal and management skills.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Graphic Design
- iMac Computers with Industry Standard Software
- Concept Development
- Wacom® Digital Drawing Tablets
- Layout and Design
- Digital SLR Cameras
- Typography
- Vector Illustration
- Illustration
- Photo Editing and Retouching
- Color Theory
- Pre-Press Graphic Preparation
- Principles and Elements of Design
- Color Printing Technology
- Art/Design History
- Vinyl Cutting Process
- Photography Basics
- Heat Press and Vinyl Application Techniques
- Real-World Job Experience
- Client Interaction



CAREER OPPORTUNITIES

- Printing Companies
- Sign Fabricators
- T-Shirt/Promotional Product Design
- Advertising Agencies
- Publishing Companies
- In-House Art Departments
- Design/Animation Studios
- Freelance Design/Illustration
- Graphics for Web

Design YOUR FUTURE



INTRODUCTION TO DIGITAL MEDIA PRODUCTION

Learn how to design your future by utilizing different types of media. State-of-the-art computers and the most current applications and programs will direct students to different career opportunities never considered.

INTRODUCTION TO DIGITAL MEDIA PRODUCTION

COURSE CODE 05163

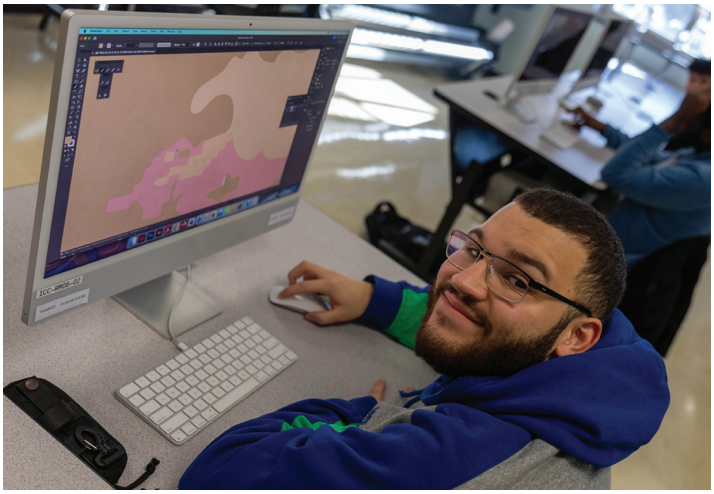
Course Description:

This course is designed for students to explore different areas in the graphic arts and printing industry. Students will learn to create professional products in preparation for the world of work. They also will explore various types of media offering them a wide range of prospective job opportunities in the digital world. Students will learn on state-of–the-art equipment such as the iMac computer with Adobe® Creative Cloud software, wide format printer, scanner, heat press and silk screening for t-shirt design, power paper cutter, embroidery for monogram and logo design, vinyl cutter for poster and signage, and digital copying operation. Students will have the opportunity to learn desktop publishing and graphic design that provides pre-press and mass production skills. Many of these employability skills also apply to Introduction to Computer Graphic Design Arts Technology.

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

Location: Islip Career Center





COURSE CONTENT

- Graphic Design
- Concept Development
- Layout and Design Illustration
- Principles and Elements of Design
- Digital Photography Basics
- Real-World Job Experience
- Advertising/Package Design
- Bindery Processes
- iMac Computers with Industry Standard Software
- Wacom® Digital Drawing
- Pre-Press Preparation
- Vinyl Cutting Process
- Heat Press and Vinyl Application Techniques
- Digital Copier Customer Service

CAREER OPPORTUNITIES

- Advertising Agencies
- Computer Graphics Departments
- Copy Centers
- Design Studios
- Freelance Design/Illustration
- Print Shops
- Publishing Companies
- Sign Shops
- Silk Screening



Education & Training

JOIN A SMALL WORLD FULL OF

BIG REWARDS

INTRODUCTION TO EARLY CHILDHOOD EDUCATION

Our children are the future and you can take a vital part in shaping their lives. Practice creative ways to help children grow. Explore ways to guide their development while experiencing the joy of working directly with inquisitive, young minds. You will learn about yourself and how to be an effective classroom leader.

INTRODUCTION TO EARLY CHILDHOOD EDUCATION

COURSE CODE 19054

Course Description:

Early Childhood Education is designed to prepare students for careers working with children. Direct work experience with children will include the pre-school laboratory. This course is for students who are serious about the responsibility and knowledge required to work with and safely supervise children. Students will learn about different types of early childhood programs, lesson development, curriculum planning, health and safety, and early childhood techniques to prepare them for a career in early childhood education.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.



COURSE CONTENT

- Child Development and Growth
- Toddler/Pre-School /School-Age Children
- Special Needs Children
- Curriculum Planning
- Lesson Development
- Types of Early Childhood Programs
- Observation and Assessment
- Internship and Pre-School Program
- Early Childhood Techniques (Art, Music, Food, Sciences, Math, Language Arts, Social Studies, Sensory, Play Types)
- Health and Safety
- Guidance and Discipline

EARLY CHILDHOOD PROGRAMS

- Head Start™ Centers
- Family Care
- Corporate Day Care
- Franchise Day Care Centers

JOB SEARCH

- Interview
- Resume Writing
- Application Process/Internet Job Search
- References

CAREER OPPORTUNITIES

- Nursery Schools
- Child Care Provider
- Family Services
- Child Photographer Assistant
- Social Services
- Storyteller (Library)
- Camp Counselor
- Children's Store
- Elementary Schools





Hospitality & Tourism

Mix the ingredients for a successful future!

FOOD PREPARATION & SERVICE

FOOD PREPARATION WORKERS perform a variety of culinary tasks in hotels, restaurants, catering establishments, hospitals, and schools. As a kitchen support person, you will assist in the preparation of meats and vegetables, soups, sauces, salads, and desserts. In addition to food preparation, your work may include maintaining a clean and sanitary kitchen environment.

Mix it up and make it work for you!



FOOD PREPARATION & SERVICE

COURSE CODE 16051

Course Description:

This course prepares students for careers in the food service industry. Basic food preparation and baking principles are covered with an emphasis on sanitation and health codes. Students of all ability levels develop skills through realistic activities and work situations. Academic skills are integrated throughout the course content. American Heart Association CPR Certification and ServSafe® will be offered to qualified students.

Location: Gary D. Bixhorn Technical Center
Harry B. Ward Technical Center
Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Communication Skills
- Use and Care of Tools and Equipment
- Customer Service Skills
- Catering
- Teamwork
- Trade-Related Math
- Employability Skills
- À la carte Operations
- Front and Back of the House Operations
- Time Management
- State and Local Health Codes
- Inventory and Food Storage
- Professional Skills and Conduct
- Food and Nutrition

CAREER OPPORTUNITIES

- Fast Food Restaurants
- Catering Establishments
- Full Service Restaurants
- Corporate Catering
- Supermarkets and Delicatessens
- Institutional Food Service
- Schools
- Hotels
- Hospitals
- Bakeries and Specialty Shops





INTRODUCTION TO BAKING

Let them eat cake—and bread and pie too!



Learn the secrets of preparing taste-tempting, eyecatching cakes, pies, breads and desserts. This course will familiarize you with the products, ingredients, recipes, and equipment used by professional bakers. You will learn how to finish your baked products so that each is a creation that reflects your own special touch.

Your experience will prepare you for work as a trainee or apprentice in a bakery, supermarket, restaurant, or specialty shop. Once there, you will have the opportunity to perfect your skills and develop your style.

Check it out and find out how sweet it is!

INTRODUCTION TO BAKING

COURSE CODE 16056

Course Description:

In this course students will learn how to prepare an assortment of baked goods, including quick and yeast breads, cakes, pies, sweet pastries, tarts, and cookies. Students will learn how to decorate and attractively display their finished products for purchase. The proper use of tools and techniques as well as, safety and sanitation in the workplace will be emphasized.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Safety and Sanitation
- Reading and Following Recipes
- Storage and Display of Baked Goods
- Life Skills
- Use of Tools and Equipment
- Mixing and Measuring Techniques
- Decorating Techniques
- Nutrition



CAREER OPPORTUNITIES

- Baker
- Baker's Assistant
- Cake Decorator
- Pie Maker
- Pizza Maker







INTRODUCTION TO COOKING

Do you enjoy preparing basic meals that are wholesome and nutritional?

The skills you acquire in this program will allow you to work in the restaurant industry in a variety of positions. You'll learn food preparation and the proper sanitation skills needed to work in a commercial kitchen as well as food service protocol and menu planning.

Mix it up and make it work for you!

INTRODUCTION TO COOKING

COURSE CODE 16057

Course Description:

The focus of this course is to provide students with an introduction to the basic fundamentals of cooking and baking. Laboratory experiences will reinforce classroom instruction and demonstrations. Various field trips will be offered to give students an opportunity to explore various job placements. Students will learn how to use kitchen tools and equipment, basic nutrition, safety and sanitation, menu planning, and supply purchasing.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Basic Nutrition
- Safety and Sanitation
- Food and Baking Preparation
- Serving Food
- Gourmet Foods
- Purchasing
- Menu Planning
- Equipment and Utensils
- Terminology and Measurement

CAREER OPPORTUNITIES

- Waitress/Waiter
- Host/Hostess
- Cashier
- Baker's Assistant
- Dishwasher
- Cook
- Cafeteria Worker



CUT TO A GREAT CAREER!



INTRODUCTION TO APPEARANCE ENHANCEMENT

In this introductory program, you will learn basic styling, scissor and clipper cutting, rolling and texturing of hair, facial grooming, and shaving techniques. You will also build the business and communication skills needed to launch and manage your own company.

Bring your excitement and enthusiasm to this program and cut your way to a great career.

INTRODUCTION TO APPEARANCE ENHANCEMENT

COURSE CODE 19149

Course Description:

This course is a combination of classroom instruction and practical opportunities that will develop professional knowledge, as well as skills required for competitive job opportunities and advancement. This program emphasizes training in safety, sanitation, shaving reception, precision shear and clipper cutting, customer service, retail, and creates opportunities for small business ownership. Skills learned will include management, personal and professional development, shampooing, hair designing, and haircutting. For students who meet all course criteria, a mainstream plan will be developed.

The curriculum is designed to give an overview of the barbering industry, licensing, and the opportunities for professional growth. Some of the hours completed in this program will transfer to the CTE Barbering or Cosmetology programs.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT



- Theory of the practice of barbering services and business practices
- Shampooing/scalp and hair analysis, including draping, brushing, scalp manipulation, conditioning and rinsing
- Haircutting and trimming, including use of scissors, razors, thinning shears and clippers
- Hair styling, including wet, dry, and thermal styling, braiding, and the use of styling aids
- Cutting and trimming of facial hair including shaving, beard and mustache design, and eyebrows
- Sanitizing and disinfecting of individual work stations, individual equipment and tools, and proper use and storage of linens and supplies
- Diseases and disorders of the skin, scalp, and hair
- Safety, including proper use and storage of chemicals, implements and electrical appliances
- First aid as it relates to barbering and cosmetology
- Business management and communication skills necessary to own or work in shops, salons, retail sales, client relations, and advertising

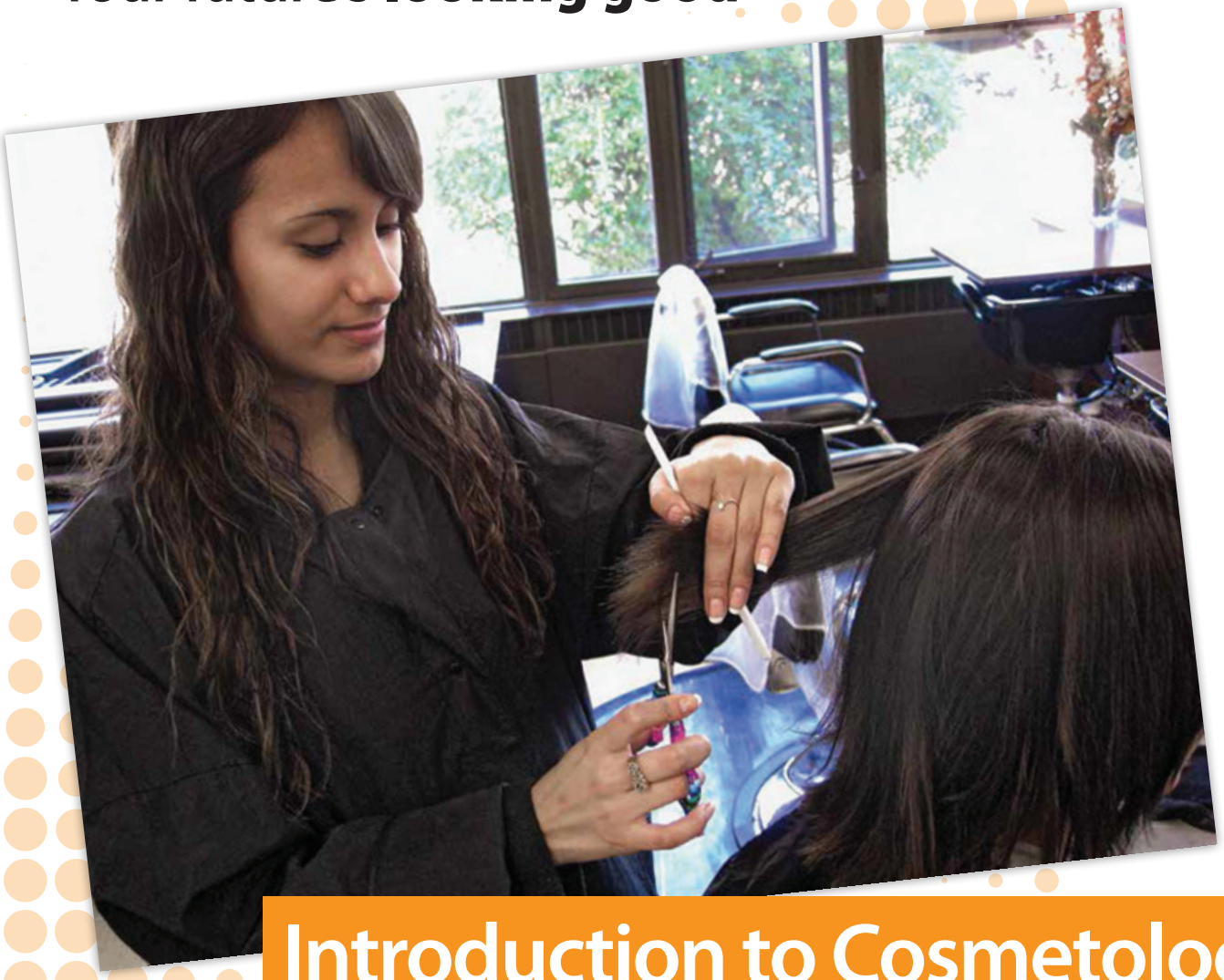
CAREER OPPORTUNITIES

- Barber Shop Assistant
- Male Beauty Product Sales
- Potential Master Barber



HEADS UP!

Your future's **looking good**



Introduction to Cosmetology

Cosmetologists perform a range of beauty services including cutting, styling, coloring, and shampooing. They may provide manicures and pedicures as well as scalp and facial treatments.

As the service industry continues to grow on Long Island, so do the opportunities in this exciting and glamorous field.

INTRODUCTION TO COSMETOLOGY

COURSE CODE 19104

Course Description:

This course is designed to teach students introductory skills and related science in the areas of Cosmetology. These skills include salon management, personal and professional development, manicures, shampooing/rinses, hair designing and haircutting. For students who meet all course criteria, a mainstream plan will be developed.

Location: Harry B. Ward Technical Center
Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Personal and Professional Development
- Salon Management
- Nail Art
- Manicures/Pedicures
- Shampooing/Rinses
- Artificial Nails
- Haircutting Hair Design (Up-do, Braiding, Styling)
- Permanent Waving
- Skin Care
- Hair Coloring
- Eyebrow Arching/Waxing
- Facials
- Make-Up Application



CAREER OPPORTUNITIES

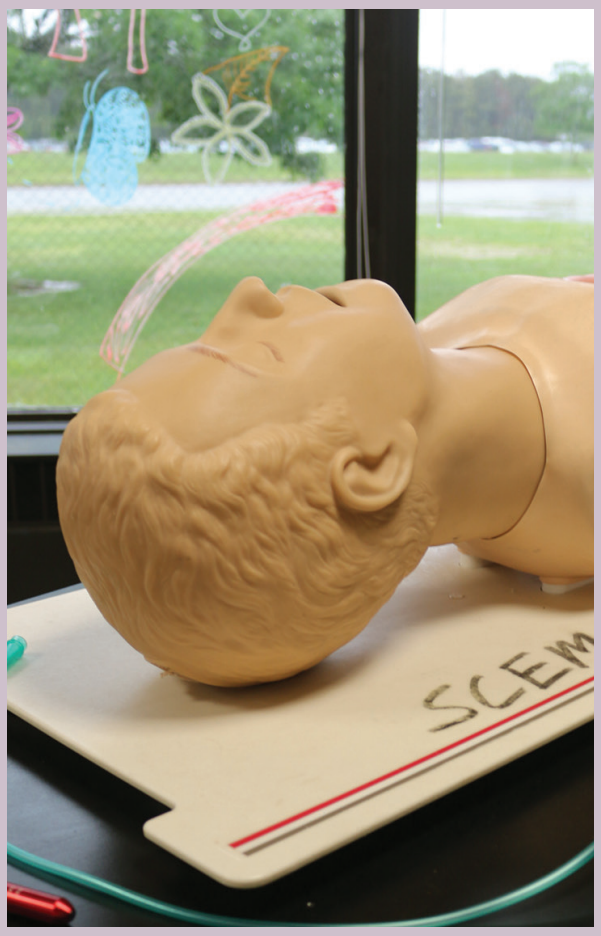
- Industry Related Product Sales and Management
- Shampoo Assistant
- Nail Technician
- Hair Stylist







Human Services, Retail & Operations



WHEN CARING IS YOUR CALLING...

Take the first step toward an exciting career in

HEALTH-RELATED OCCUPATIONS!

Employment opportunities are booming in long-term care facilities, sub-acute rehabilitation facilities, assisted living facilities, and hospitals. Prepare for your health career by learning how to care for people with various medical needs as well as those who require special services.

HEALTH-RELATED OCCUPATIONS

COURSE CODE 14249

Course Description:

This course will provide the students with the skills and knowledge necessary for entry-level employment in health-related occupations. Through class instruction and supervised field experiences, the students will explore numerous health occupations. Students are introduced to the roles and responsibilities of nurse assistants, dietary aides, clerical, housekeeping aides, and environmental services providers.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Orientation of Health Care Facilities
- Preparing for the World of Work
- Vital Signs
- Careers in Health
- Anatomy and Physiology
- Nutrition
- Maintaining a Safe Environment
- Basic Nursing
- Infection Control
- Bedside Skills
- Employability Characteristics
- Career and Financial Management Procedures
- Medical Ethics
- Communication/Leadership
- Medical Terminology
- Personal Health and Wellness
- Computer Applications
- Emergency Care/First Aid



CAREER OPPORTUNITIES

- Daily Living Associate
- Transport Aide
- Wellness Coordinator
- Environmental Services Person
- Home Health Aide
- Recreational Therapy Aide
- Dietary Aide
- Ward Clerk



GET YOUR CAREER IN SHAPE!

INTRODUCTION TO PERSONAL TRAINING



Welcome to today's health-conscious world!

People are more interested than ever in losing weight, toning muscle, improving diet, and living healthier lives. If fitness is your passion and you enjoy working with people, a career in personal training may be perfect for you. In this exciting and expanding field, you will have an opportunity to design weight-training and nutritional programs, help people gain greater selfesteem, and see the results of your skills "take shape" every day.

INTRODUCTION TO PERSONAL TRAINING

COURSE CODE 14099

Course Description:

Health clubs and personal fitness are a big business– a ten billion dollar industry. The number of health enrichment facilities continues to increase at a rapid rate nationally and on Long Island. It's a continually evolving industry, one that offers a range of potential career opportunities for individuals interested in becoming a fitness club training staff member. Personal Training is a flexible occupation and allows for quick entry with a high school degree and national certification. Students will learn what it takes to become a health club staff member including personal trainers by learning the interpersonal and technical skills used by professionals in the field. Additionally, they will be able to gain employment while enrolled in the course to allow them to gain experience before receiving their certification.

A personal trainer works one-on-one with a client to develop and implement a fitness training regimen that helps them lose weight, get stronger, improve physical performance, or maintain their health. Trainers introduce clients to individualized exercise programs that are based upon their personal goals, skill level, and needs. They must keep up with the latest trends and professional recommendations in fitness and nutrition.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

CAREER OPPORTUNITIES

- Front Desk/Greeter at a Health Club
- Health Club Sales Staff
- Gym Floor Staff
- Aerobics Instructor
- Lifeguard





FIND YOUR ROAD TO INDEPENDENCE



Project SEARCH®



Students enrolled in Project SEARCH® learn transferable employability skills necessary in the world of work such as, the business office, maintenance, food preparation, and environmental service. Student interns complete three ten-week internships within the facility with the goal of competitive employment upon graduation.

PROJECT SEARCH®

COURSE CODE 22152

Learn the skills to obtain gainful employment.

Course Description:

Project SEARCH® is an internationally recognized transition program for individuals with developmental disabilities who are interested in training and preparing for competitive employment. Students attend the program for one year at a business and industry approved site. The program provides real-world training, career exploration, innovative adaptations, and long-term job coaching, with the goal of obtaining gainful employment upon completion of the program.

Location: Islip Career Center

COURSE CONTENT

- Team Building
- Getting Around Your Workplace
- Workplace Safety
- Social Skills
- Presentation Skills
- Money Management
- Job Search Skills
- Resume Writing Technology
- Keeping a Job
- Communication Skills
- Interviewing Skills
- Health and Wellness Independent
- Travel Training

INTERNSHIP ROTATIONS

Through a series of three targeted internships, the students acquire competitive, marketable, and transferable skills to enable them to apply for a related position. Students also build communication, teamwork, and problem-solving skills which are important to their overall development as a young worker. Internship rotations begin a few weeks after the start of the program. Students are assigned a mentor who interacts with the instructor, job coaches, and the student as a consistent source of guidance and feedback. Students spend approximately five hours each day at the internships including a thirty-minute lunch. Working from a task list, they acquire the core skills necessary to be hired in an entry-level position at a business in the community. Job coaches and department staff collaborate to provide support for students. The Project SEARCH® staff delivers the training and develops job accommodations and standard work procedures. Once the students master the core skills, additional skills are layered to improve their marketability.

COLLABORATING AGENCIES/SERVICE PROVIDERS

- Eastern Suffolk BOCES Business and Industry Partners
- Abilities, Inc.
- Adult Career and Continuing Education Services-Vocational Rehabilitation (ACCES-VR)
- Office of Persons with Developmental Disabilities (OPWDD)

ADDITIONAL INFORMATION

- Recommend a minimum of one year of Special Career Education
- Recommendation of Special Education Teacher









Human Services, Retail & Operations

GOOD THINGS ARE IN STORE FOR **YOU**!

RETAIL STORE SERVICES

Learn the foundational skills of the retail business including cashiering, inventory, maintenance, and customer service. Window display techniques and salesmanship skills are also included in this course.

Step out onto the selling floor and put your new skills to work!

RETAIL STORE SERVICES

COURSE CODE 12161

Course Description:

Retail Store Services exposes students to all phases of entrepreneurship. In this program, students learn how to perform operations associated with retail sales in a variety of settings. Students will operate an on-site school store and boutique. This will allow the students to become familiar with retail skills including, but not limited to, processing inventory and stock, placing and delivering orders, completing sales, ticketing merchandise, handling cash, advertising, creating window displays, and customer service. Students learn the necessary communication skills needed to work in a fast-paced retail workplace. Students will also have the opportunity to explore a wide variety of workplaces through community trips, internships, and work-site tours.

In addition to real-world experiences, students will learn employability skills such as: resume writing, completing job applications, seeking employment opportunities, interviewing skills, and creating a personal professional portfolio.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

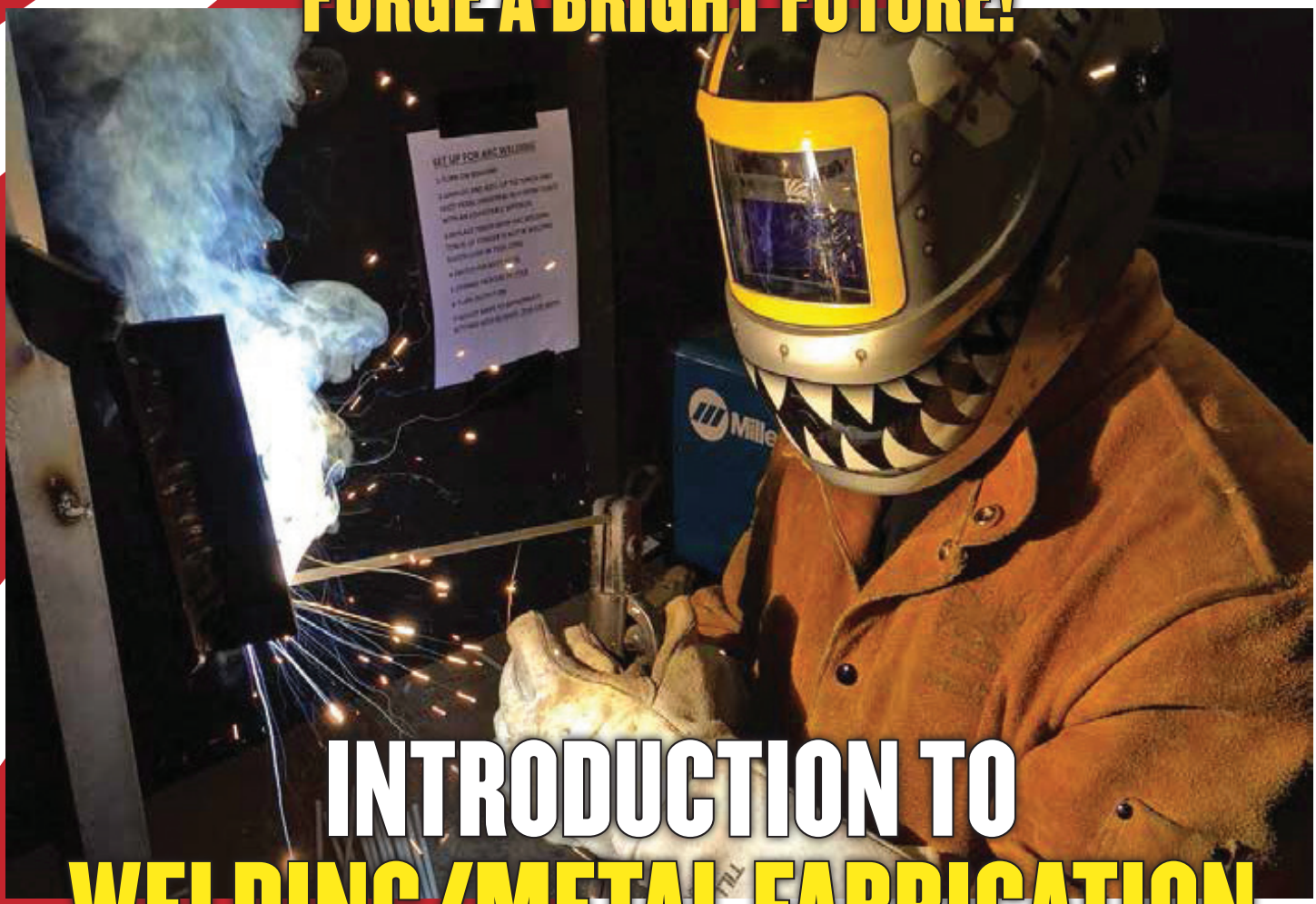
- Advertising and Marketing
- Budgeting
- Cash Register Fundamentals
- Communication in the Workplace
- Customer Service
- Folding, Organizing/Sizing of Clothing
- Internships/Community Experiences/ Work-Site Tours
- Inventory
- Ordering Stock
- Overseeing Deliveries
- Pricing
- Safety
- Sales
- School Store Operations
- Time Management
- Visual Merchandising and Window Display

CAREER OPPORTUNITIES

- Cashier
- Stock Clerk
- Display Assistant
- Sales Associate
- Delivery Person
- Inventory Associate
- Customer Service Associate



FORGE A BRIGHT FUTURE!



INTRODUCTION TO WELDING/METAL FABRICATION

Welders join, fabricate, and repair the metal parts of automobiles, buildings, ships, railway cars, and aircraft. They are employed in machine shops, construction companies, and automotive dealerships. If you enjoy challenging work, have good manual skills, and take pride in what you produce, a career as a welder may be for you.

INTRODUCTION TO WELDING/METAL FABRICATION

COURSE CODE 13201

Course Description:

Introduction to Welding/Metal Fabrication is designed to provide the student with the basic, entry-level knowledge and job skills required in the welding and machine trades. The course teaches safe welding and cutting of a wide range of metals (ferrous and non-ferrous) using the four most widely-used welding practices in the industry: Shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, and oxygen acetylene cutting/welding. The course will also introduce students to all appropriate safety procedures of the trade. Students may be eligible to take the Vertical (3G) and Overhead (4G) qualification tests that meet AWS D1.1 standards.

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

Location: Islip Career Center

COURSE CONTENT

- Shielded Metal Arc Welding and Safety
- Gas Tungsten Arc Welding
- Gas Metal Arc Welding
- Oxygen Acetylene Cutting and Safety
- Welded Joint Design and Testing
- Ferrous and Non-Ferrous Metal Alloys and Properties
- Basic Metal Layout and Measurement
- Gas Welding Practices and Safety
- Plasma Arc Cutting

CAREER OPPORTUNITIES

- Welder/Fabricator
- Welder's Apprentice
- Welding Machine Operator
- Welder-Gas, Flame Cutter
- Shielded Metal Arc Welder
- Gas Metal Arc Welder
- Gas Tungsten Arc Welder
- Boilermaker
- Steamfitter
- Ironworker
- Railroad Welder/Machinist

IT PAYS TO KEEP UP APPEARANCES







INTRODUCTION TO AUTO BODY REPAIR AND REFINISHING

The demand for collision repair professionals exceeds the number of experienced technicians, making auto body repair one of the service industry's fastest growing sectors. This course offers students practical hands-on experience in auto body repair, including priming, patching, and painting techniques. Cooperative work study, internships, industry sponsored contests, and post-secondary opportunities are some of the reasons to explore a career in auto body repair and refinishing.

SO POLISH UP YOUR SKILLS NOW... IT'S YOUR CHANCE TO SHINE!

INTRODUCTION TO AUTO BODY REPAIR AND REFINISHING

COURSE CODE 20115

Course Description:

Students will dismantle damaged automobile components, straighten metal parts and automotive frames, hammer out dents, use body filler, grind, sand, and prepare the car for the paint. In addition, students will learn skills in paint selection, paint mixing and spray painting. Students will also learn how to select materials according to the latest EPA guidelines, as well as proper repair techniques currently being used in the industry. Students will be introduced to career and financial management topics. Selected students may be involved in a work-experience program at an industry site.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Shop Safety
- Fasteners
- Basic Automotive Construction
- Interior Trim/Upholstery
- Metal Working Fundamentals
- Glass Removal/Installation
- MIG Welding
- Panel Replacement
- Body Fillers
- Fixed Panel Replacement
- Sanding/Grinding
- Compound/Wax
- Masking
- Mobile Electronics
- Painting
- Estimating
- Electric/Hydraulic/Pneumatic Tool Usage
- Airbag Safety
- Frame Straightening
- Powder Coating
- Fiberglass Repair
- Hand Tool Usage
- Stereo Installation
- Detailing
- Headlight/Tail Light Restoration
- Metal Bumping

CAREER OPPORTUNITIES

- Auto Body Technician
- Painter's Helper
- Assistant Estimator
- Automotive Detailer
- Assembly/Disassembly Technician
- Auto Parts Person
- Refinisher
- Metal Fabricator
- Plastic Person
- Frame Technician
- Material /Supply Person
- New Car Preparation Person

Transportation, Distribution & Logistics

FIND YOUR OPPORTUNITY... UP FRONT!

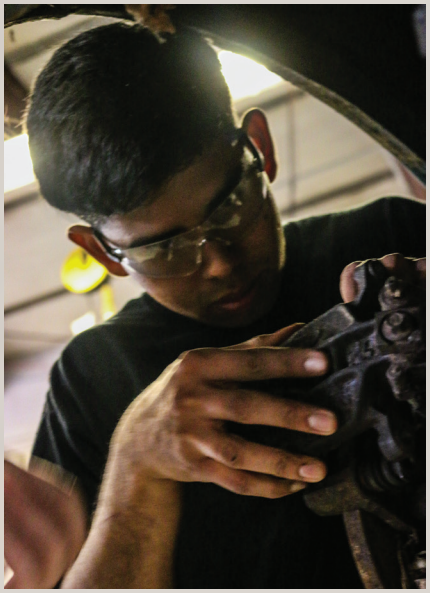
INTRODUCTION TO AUTO FRONT END AND BRAKES

Part of the Transportation cluster, this module focuses on the diagnosis, repair, and servicing of the hydraulic system, disk and drum brakes, power assist units, and ABS brakes. Wheel and tire alignment and New York State Inspection skills are also covered in this module.

Get ahead of the crowd now with up-front skills you can take with you on the road to a new job!







INTRODUCTION TO AUTO FRONT END AND BRAKES

COURSE CODE 20106

Course Description:

Auto Front End and Brakes is part of the transportation cluster at the Islip Career Center and is designed to instruct students in the use of hand and power equipment for the diagnosis, repair, and service of vehicle suspension and brakes. Selected students may be involved in a work-experience program at an industry site. Students will also learn safety, wheel alignment, lubrication, suspension and steering systems.

Location: Islip Career Center

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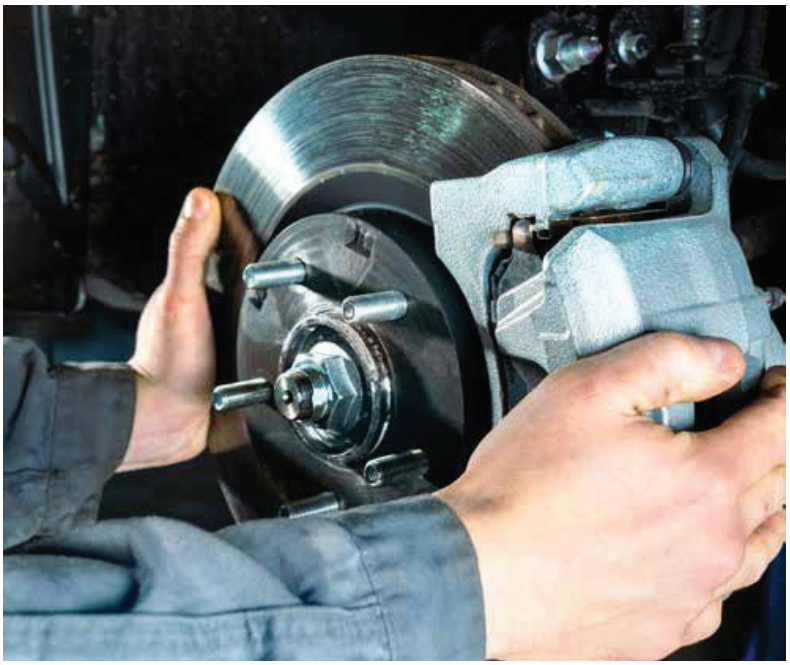
Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Introductory Skills and Safety
- Wheels and Tires
- Suspension and Steering Systems
- Wheel Alignment
- Lubrication and Service
- New York State Inspection
- Introduction to Automatic Brake Systems
- Industry Sponsored Training and Competitions
- Brake Systems, Disc, Drum and Anti-Lock

CAREER OPPORTUNITIES

- Service Station Attendant
- Auto Lube Technician
- Auto Prep Person
- Automotive Machinist
- General Mechanic
- Technician's Helper
- Front End and Alignment
- Brake Specialist
- Tire Specialist





INTRODUCTION TO MODERN AUTOMOTIVE TECHNOLOGY

Part of a four-course Transportation cluster, this module focuses on the theory and operation of automobile systems. Students will become familiar with diagnostic and repair equipment and may also be eligible to participate in an industry-related work program.

GIVE YOUR SKILLS THE LIFT THEY NEED TO GET STARTED IN AUTO SERVICE NOW.

INTRODUCTION TO MODERN AUTOMOTIVE TECHNOLOGY

COURSE CODE 20105

Course Description:

In this course, students will gain an understanding of the principles and operation of the internal combustion engine, automotive electrical systems, and computerized engine controls. Students will be introduced to the repair of automotive electrical components, interpretation of schematic diagrams, and the use of a Digital Multimeter (DMM), and code scanner to diagnose engine control problems. Students will also explore various drive trains.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Auto Shop Safety
- Engine Operation Theory
- Drive Line Servicing
- Engine Cooling
- Automotive Systems
- Fuel System
- Ignition System
- Valve System
- Lubrication System
- Exhaust System



CAREER OPPORTUNITIES

- Service Station Attendant
- Automotive Prep Person
- Auto Lubrication Technician
- Technician's Assistant
- Brake Technician's Assistant
- Entry-Level Auto Technician
- Quality Control Team Member
- Tire Shop Technician

Transportation, Distribution & Logistics

DRIVEN TO SUCCEED!



TRANSPORTATION SERVICE

The Transportation Service program allows students to get an introduction to the automotive industry. Students can learn to work on cars, motorcycles, jets skis and quads. This exploratory program allows students to gain experience in practicing universal employability skills while gaining the technical skills necessary for entry-level employment in ANY career field the student eventually chooses.

TRANSPORTATION SERVICE

COURSE CODE 20001

Course Description:

This course provides students with instruction in automotive technology, auto body repair, and small engine repair. An active internship program provides all students with actual on-the-job experience in a related community-based setting.

Location: Harry B. Ward Technical Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Shop Safety
- Basic Hand and Power Tools
- Engine Maintenance
- Engine Theory
- Electrical, Cooling, Fuel, and Ignition Troubleshooting
- Auto Body Repair and Refinishing

CAREER OPPORTUNITIES

Auto Body Repair and Refinishing

- Auto Body Helper
- Painter's Helper
- Plastic Person
- Metal Person
- Assembler
- Combination Person
- Piece Worker
- Heavy Collision Person
- Body Person
- Refinisher
- Parts Counter Person
- Auto Detailer

Auto Engine Overhaul

- Mechanic
- Mechanic's Helper
- Automotive Machinist
- Lawnmower Repair Person

Automotive Front End and Brakes

- Service Station Attendant
- Auto Lube Technician
- Auto Prep Person
- Automotive Machinist
- General Mechanic
- Mechanic's Helper
- Front End and Alignment
- Brake and Tire Specialist

Small Engine Repair

- Parts Department Assistant
- Small Engine Mechanic's Helper
- Engine Parts Rebuilder

Transportation, Distribution & Logistics

Get your career firing on all cylinders.



VEHICLE MAINTENANCE AND LIGHT REPAIR

This course covers the general diagnosis, repair, and servicing of ignition, fuel, exhaust, compression, and lubrication systems.

TUNE UP YOUR SKILLS, CRUISE AHEAD OF THE TRAFFIC, AND NAVIGATE THE ROAD TO A NEW CAREER!

VEHICLE MAINTENANCE AND LIGHT REPAIR

COURSE CODE 20149

Course Description:

Students enrolled in Vehicle Maintenance and Light Repair (MLR) will be introduced to the basic fundamentals, maintenance, and operation of the automobile. The curriculum will provide the students with the theory and hands-on experience in each of the following areas: New York State Inspections, engine maintenance, fluid maintenance, tire and brake services, and intro to Heating, Ventilation & Air Conditioning (HVAC) maintenance.

Location: Islip Career Center

SCAN HERE FOR CURRENT PROGRAM SUPPLY LIST

Program may provide supplies. See teacher for specific details.

COURSE CONTENT

- Automotive Shop Safety
- Air Conditioning and Heating
- Automotive Systems
- New York State Inspections
- Suspension and Brakes
- Engine Operation Theory
- Tire Service and Repair
- Engine Lubrication

CAREER OPPORTUNITIES

- Automotive Prep Person
- Service Station Assistant
- Lube Technician
- Maintenance Technician
- Front End Shop Assistant
- Quality Control Team Member
- Brake Shop Assistant



Eastern Suffolk BOCES

GET CONNECTED

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Jasmin Varela, Ed.D.

Chief Operating Officer
David Wicks

Associate Superintendent
Claudy Damus-Makelele – Educational Services

Associate Superintendent
Katelyn Fretto – Management Services

Assistant Superintendent
Vacant – Human Resources

Directors
Heather H. Ciccone – Regional Information Center
Arlene Durkalski – Human Resources
Barbara Egloff – Career, Technical and Adult Education
Krystle M. Hernandez-Barnett, Ed.D. – Educational Support Services
Ryan Jacobellis – Facilities
Vacant – Business Services
Gina Reilly – Special Education
Elaine Romeyk – Administrative Services
Jachan Watkis – Diversity, Equity, and Inclusion

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