

# FUTURE**FORWARD**

*at Bollman and Washington Square*

## **Career and Technical Education**

### **2026-2027**

FutureForward Career and Technical Education (CTE) programming gives all students a competitive advantage as they enter college, career or the military.

#### **FutureForward Students:**

- Explore opportunities that prepare them for high-demand careers and give them an edge entering college.
- Engage in authentic, hands-on learning.
- Equip themselves with relevant, rigorous, and practical skills.

#### **LOCATIONS:**

##### **FutureForward at Bollman**

9451 Washington St.  
Thornton, CO 80229  
(720) 972-5820

<https://futureforward.adams12.org/bollman>

Principal: Janet Renden



##### **FutureForward at Washington Square**

12521 Washington St.  
Thornton, CO 80241  
(720) 972-2900

<https://futureforward.adams12.org/washingtonsquare>

Principal: Marvin Lewis



**futureforward.adams12.org**



## **FutureForward at Bollman FutureForward at Washington Square**

Adams 12 Five Star Schools offers Career and Technical Education (CTE) courses at its Bollman and Washington Square campuses to all high school students enrolled in the district. The District is committed to non-discrimination in relation to race, color, sex (including pregnancy, childbirth, and related medical conditions), age, religion, creed, national origin (including ethnicity), ancestry, genetic information (including family medical history), marital status, sexual orientation, transgender identity, gender identity, gender expression, or disability ("Protected Classes"), in its educational programs, activities, operations and employment decisions. Harassment is a form of discrimination. Anyone engaging in discrimination shall be subject to discipline in accordance with District policies. Any student or staff member who believes they have been discriminated against, or who witnesses discrimination (including bullying or harassment) will promptly make a report to an administrator or supervisor, or the Title IX/Non Discrimination Coordinator. The District's interim Title IX/Non-Discrimination Coordinator is:

**Michaela Bland**

Educational Support Center (ESC)

1500 E. 128th Avenue

Thornton, CO 80241

720-972-4179

[Michaela.M.Bland@adams12.org](mailto:Michaela.M.Bland@adams12.org)

FutureForward at Bollman is located at 9451 Washington Street and FutureForward at Washington Square is located at 12521 Washington Street. Bus transportation is provided for Horizon, Legacy, Mountain Range, Northglenn, Thornton, and Vantage Point students from their home high schools to each of these campuses. It will be necessary for students enrolled in programs at FutureForward campuses to have travel time built into their schedules to allow for transportation between schools.

## CAREER AND TECHNICAL COURSE OFFERINGS BY CAREER PATHWAY

<b>AGRICULTURE</b>	<i>Introduction to Aviation &amp; Aeronautical Engineering</i>
<i>Veterinary Assistant</i>	<i>Drone Flight Training &amp; Analysis</i>
<b>ARTS &amp; DESIGN / MEDIA ARTS</b>	<b>HEALTH SCIENCE</b>
<i>Graphic Design</i>	<i>Introduction to Medical Careers</i>
<i>Video Production</i>	<i>Medical Sciences</i>
<b>BUSINESS AND ENTREPRENEURSHIP</b>	<i>Advanced Medical Sciences - CNA</i>
<i>Real Estate</i>	<i>Sports Medicine</i>
<i>Small Business Operations</i>	<b>HOSPITALITY &amp; FOOD PRODUCTION</b>
<b>CRIMINAL JUSTICE &amp; PUBLIC SAFETY</b>	<i>ProStart (Culinary Arts) - (Offered at ESC)</i>
<i>Crime Scene Investigation</i>	<i>Baking &amp; Pastry Applications - (Offered at ESC)</i>
<i>Emergency Medical Technician – EMT</i>	<b>HUMAN SERVICES &amp; EDUCATION</b>
<i>Firefighting</i>	<i>Introduction to Mental Health Careers</i>
<i>Law Enforcement</i>	<i>Behavioral/Mental Health</i>
<b>ENGINEERING, COMPUTER &amp; DIGITAL TECHNOLOGIES</b>	<i>P-TEACH</i>
<i>AI for Everyone</i>	<b>SKILLED TRADES &amp; TECHNICAL SCIENCES</b>
<i>AP Computer Science A</i>	<i>Auto Body Collision Repair &amp; Refinishing</i>
<i>Coding</i>	<i>Automotive Technology</i>
<i>Cybersecurity</i>	<i>Construction, Mechanical, Electrical, and Plumbing</i>
<i>Game Design</i>	<i>Diesel Automotive Technology</i>
<i>Networking</i>	<i>Welding Technology</i>
<i>Principles of Engineering</i>	

**All Career and Technical Education courses meet the Fine/Practical Arts graduation requirement.** These courses are offered to all Five Star students; however, it may be necessary for students to purchase supplies that are beyond the basic program requirements, and all programs have a course fee. Safety is a priority at both campuses and special clothing may be required for some program areas.

## **NOTE TO PARENTS:**

- Any alcohol, drug, or other substance use violation could be grounds for denial of admission to a program or removal from a program once admitted.
- Excellent attendance is important in all FutureForward at Bollman and Washington Square programs. Five or more unexcused absences may result in a student being placed on an attendance contract. Failure to comply with an attendance contract may result in disenrollment from a program.
- Students enrolled in the Advanced Medical Sciences/CNA programs will be required to have up-to-date immunizations, flu and COVID-19 Vaccinations, a TB test, and a current physical.
- Students enrolled in Advanced Medical Sciences/CNA or Education (P-TEACH) must provide their own transportation to off-site locations for projects, clinical rotations, observations, or teaching experiences.
- Transportation may not be provided for some programs. Please speak with a FutureForward at Bollman or Washington Square campus staff member for more details.
- It is required that all students who register for a FutureForward at Bollman or Washington Square program attend a pre-acceptance/orientation meeting in the spring.
- Juniors are given priority acceptance into most programs. Sophomores and seniors will be accepted on a “space available” basis.
- College credits are available in many FutureForward at Bollman and Washington Square programs. Contact the registrars or counselors for more information.

**EXCEPTION TO THE THREE (3) CORE CLASS REQUIREMENT:** According to Superintendent Policy 6340 Section 1.4.2, “Exceptions to the three (3) core class (1-1/2 credits) requirement may be made for students at FutureForward at Bollman and Washington Square providing such students can demonstrate competency in the core areas, and students with special circumstances as approved by the principal or designee.”

## **WORK-BASED LEARNING**

*Potential Credit Earned: 0.5 - 2.0 credits per year, up to 4.0 credits total toward graduation*

Interested students enrolled in a pre-approved Career and Technical Education course (CTE) or who have successfully completed the pre-approved CTE pathway may choose to participate in Work-Based Learning. In Work-Based Learning, students will have the opportunity to apply their classroom knowledge to their job. Students will work with the Work-Based Learning Coordinator throughout the semester. **Students should not enroll in Work-Based Learning as a separate class on the course registration selection form. The Work-Based Learning Coordinator will sign up students after courses have begun each semester (students must complete a Work-Based Learning agreement to enroll).**

- The student must be currently enrolled or previously enrolled in at least one CTE course and earned credit in the course.
  - *Summer semester exception explained below.*
  - *Alternative education campuses and Five Star Online Academy do not require enrollment in CTE courses.*
- If a student is taking their first CTE course while simultaneously taking a work-based learning course, the student must pass the CTE course in order to earn credit for work experience.

- 0.5 Credit = 125 hours worked / 1.0 Credit = 250 hours worked
  - Credit for work experience can be earned during three time periods:
    - Fall semester (August - December)
    - Spring semester (January - May)
    - Summer semester (June and July) - completed through home high school, not Bollman or Washington Square
      - Summer credit for work experience documentation must be submitted to the work-based learning supervisor by September 1 in order to earn up to 1 credit.
      - For students to earn credit for work experience during the summer, they must have at least one CTE course on their transcript **prior to the summer semester**. (*Alternative education campuses and Five Star Online Academy do not require enrollment in CTE courses.*)
    - Maximum of 4.0 credits can be earned throughout a high school career.
    - Maximum of 2.0 credits can be earned in a given school year (August-May).
    - Maximum of 1.0 credit can be earned during the summer semester.
    - A student cannot earn more than 1 credit per semester.  
(*Note: Alternative education and Five Star Online Academy students may earn more than 1 credit per semester but no more than 4 credits while in high school.*)
    - Any exceptions must have Executive Director approval.
- The student must work the required number of hours in the semester in which they are awarded credit.

## **SERVICE LEARNING**

Service Learning Credit can be awarded to students that complete 60 hours of unpaid approved volunteer experience within a semester. Students need to submit the Student Volunteer Time Sheet and Work Ethics Evaluation Form completed by a supervisor from the approved volunteer company and/or organization. Hours will be verified before credit is awarded. Students must be enrolled and in good standing in a FutureForward at Bollman or Washington Square program the semester the Service Learning hours are completed and credit is awarded. Students may earn a maximum of 0.5 Service Learning credits per semester. Students may not transcript more than 2.0 Service Learning credits total.

## **CAREERREADY COLORADO CERTIFICATE**

Students enrolled in a FutureForward at Bollman or Washington Square program have the opportunity to train and test for the CareerReady Colorado Certificate developed by ACT WorkKeys. Students who complete the training and testing at the Silver Level or higher will receive 0.5 elective credits. This certificate verifies workplace competencies in three areas: Applied Math, Workplace Documents, and Graphic Literacy. The FutureForward Counseling Department facilitates training and testing. A test fee may apply.

## **CONCURRENT ENROLLMENT**

Concurrent Enrollment is designed to improve coordination between secondary and post-secondary institutions to create a seamless pathway for students to transition from one level to the next. A student is simultaneously enrolled in FutureForward at Bollman or Washington Square and an institute of higher-level education. **To receive credit in a Concurrent Enrollment (CE) course, students must be registered and earn a grade of “C” or higher in that course.** CE courses will show on the high school transcript, but actual college credits will only show on the college transcript. Not all programs will be eligible for Concurrent Enrollment for the 2026-2027 school year. Please contact the registrars or counselors, or visit our website at [futureforward.adams12.org](http://futureforward.adams12.org) for more information or program-specific questions about Concurrent Enrollment.

## AGRICULTURE

### VETERINARY ASSISTANT 1 & 2 - (Agriculture Pathway)

11, 12

Credits: 2

1 Science - Animal Science 1

1 Fine/Practical Arts or Elective

Location: Washington Square



In this program, first-year students gain hands-on experience and develop practical skills.

**Animal Handling and Restraint:** Students learn safe and effective techniques for working with a variety of animals, focusing on minimizing stress for both patients and handlers. Skills include proper restraint methods for companion animals, handling equipment, and safety protocols in clinical settings. **Large Animal Medicine:** This course introduces the care and management of livestock species. Students explore nutrition, preventive health practices, and common medical concerns, as well as the unique challenges of working with large animals in both farm and clinical environments. **Office Procedures:** Students develop essential front-office skills that are vital in veterinary practice. Emphasis is placed on client communication, scheduling, medical recordkeeping, and maintaining professionalism in a veterinary team environment. These courses provide a strong foundation in both the medical and professional aspects of veterinary assisting, preparing students for success in animal care careers.

#### **Counseling Notes:**

1. Course fee: \$40.00

#### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AGRICULTURE PATHWAY:**

*Veterinary Assistant      Kennel Assistant      Veterinary Technician      Veterinarian      Animal Nutritionist*  
*Animal Control Officer      Pet Groomer      Veterinary Technician Specialist      Biologist      Wildlife Assistant*  
*Zoo Keeper*

### VETERINARY ASSISTANT 3 & 4 - (Agriculture Pathway)

12

Credits: 2

1 Science - Animal Science 2

1 Fine/Practical Arts or Elective

Location Washington Square



Second-year students advance their training with coursework focused on surgical support, clinical diagnostics, and emergency care.

**Small Animal Surgical Nursing:** Students practice surgical preparation, sterile technique, instrument handling, and post-operative patient care. Emphasis is placed on assisting veterinarians in maintaining a safe and efficient surgical environment. **Lab Clinical Procedures:** This course provides hands-on experience with diagnostic testing and sample collection. Students learn bloodwork, urinalysis, fecal exams, and other lab techniques commonly performed in veterinary clinics. **Small Animal Emergency Medicine:** Students are trained to recognize and respond to urgent and

life-threatening situations. Coursework emphasizes patient triage, stabilization, and essential life-saving procedures to support veterinarians in high-stress environments. By completing this advanced training, students leave the program with the knowledge, technical skills, and confidence needed to support veterinary teams in both routine and emergency settings.

**Counseling Notes:**

1. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AGRICULTURE PATHWAY:**

<i>Veterinary Assistant</i>	<i>Kennel Assistant</i>	<i>Veterinary Technician</i>	<i>Veterinarian</i>	<i>Animal Nutritionist</i>
<i>Animal Control Officer</i>	<i>Pet Groomer</i>	<i>Veterinary Technician Specialist</i>	<i>Biologist</i>	<i>Zoo Keeper</i>

**ARTS & DESIGN / MEDIA ARTS**

**GRAPHIC DESIGN I & 2 - (Arts & Design / Media Arts Pathway)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



Course work and projects are developed to equip each student with a comprehensive understanding and the essential skills needed to become a proficient and knowledgeable visual designer. Projects are designed to increase students' artistic abilities, provide a variety of perspectives for visual problem-solving, and expand critical and creative thinking.

Using a variety of industry-standard practices, students will engage in a structured design process that includes research, ideation, prototyping, and testing. Students will gain proficiency with industry-standard technologies, including the Adobe Creative Cloud (Illustrator, Photoshop, InDesign). Projects will span a range of media, including brand identity, photo manipulation, motion graphics, social media advertising, packaging, and print collateral (posters, brochures, banners), preparing students for an evolving creative landscape.

**Notes:**

- Students may have the opportunity to earn college credits.

**Counseling notes:**

1. Supplies required:
  - a. Sketchbook or journal
  - b. 32 GB or larger flash drive
  - c. Portfolio
  - d. Refillable or disposable artist inking pen
2. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE GRAPHIC DESIGN PATHWAY:**

<i>Creative Director</i>	<i>Art Director</i>	<i>Visual Designer</i>	<i>Product Designer</i>	<i>Digital Product Manager</i>
<i>UX / UI Designer</i>	<i>Web Designer</i>	<i>Web Developer</i>	<i>Motion Designer</i>	<i>Graphic Designer</i>

*Production Artist      Production Designer & Manager      Prepress Technician      Illustrator      Brand Designer*  
*Communications Coordinator & Manager      Communications Director      Environmental Graphic Designer*

### **GRAPHIC DESIGN 3 & 4 - (Arts & Design / Media Arts Pathway)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



In Graphic Design 3 & 4, students develop advanced skills and techniques across the entire creative process, including communication arts, production, post-production, and both print and web media development. This course emphasizes visual problem-solving, critical thinking, and artistic fundamentals while fostering teamwork and essential real-world employability skills.

The curriculum is designed to equip each student with the competencies necessary to become proficient and efficient designers who effectively integrate technology, psychology, and marketing principles into their work.

Coursework and projects are strategically developed to further advance their Adobe Creative Cloud skills (Illustrator, Photoshop, InDesign, Express), software knowledge, elevate students' artistic capabilities, provide diverse perspectives for visual problem-solving, and enhance critical and creative thinking skills. Collaborative projects will simulate a studio environment, allowing students to refine their teamwork skills.

#### **Notes:**

- Students may have the opportunity to earn college credits.

#### **Counseling Notes:**

1. Prerequisite: Successful completion of Graphic Design 1 & 2
2. Supplies required:
  - a. Sketchbook or journal
  - b. 32 GB or larger flash drive
  - c. Portfolio
  - d. Refillable or disposable artist inking pen
3. Course fee: \$40.00

#### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE GRAPHIC DESIGN PATHWAY:**

*Creative Director      Art Director      Visual Designer      Product Designer      Digital Product  
Manager*  
*UX / UI Designer      Web Designer      Web Developer      Motion Designer      Graphic Designer*  
*Production Artist      Production Designer & Manager      Prepress Technician      Illustrator      Brand Designer*  
*Communications Coordinator & Manager      Communications Director      Environmental Graphic Designer*

### **GRAPHIC DESIGN INTERNSHIP - (Arts & Design / Media Arts Pathway)**

12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman

This course is designed to prepare students to enter the workforce through on-the-job training in the form of an internship. Students will have the opportunity to apply their advanced graphic design skills in a real-world setting, gaining valuable practical experience under supervision. This program emphasizes the application of previously

acquired knowledge and skills in the creation of self-directed portfolio pieces.

Significant focus is placed on cultivating the essential computer and creative competencies necessary for designing impactful visual communications. By engaging with industry-relevant scenarios, students will develop the expertise to effectively convey information and meaning through their designs, positioning them as competent graphic designers ready to meet the demands of the industry.

**Notes:**

- Subject to industry availability and teacher approval.

**Counseling Notes:**

1. Prerequisite: Photoshop, Graphic Design and Screen Printing each with a grade of “A” or better. This course is designed for the serious student pursuing a career in the graphics field.

**VIDEO PRODUCTION 1 & 2 - (Media Arts Pathway)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



This hands-on project-based course introduces students to the art and craft of television, video, and film production. Students will be actively involved in creating dynamic, cinematic projects while learning to use professional mirrorless cameras, studio lighting, audio gear, and the full Adobe Creative Cloud suite (Premiere Pro, After Effects, Audition, Photoshop, and more).

Projects emphasize storytelling, technical skill, and collaboration, culminating in a public screening at the FutureForward Film Festival and Awards Ceremony.

**Learning outcomes:**

- Operate professional-grade cameras and production equipment
- Apply cinematic composition, framing, and movement techniques
- Capture and mix high-quality audio
- Edit using Adobe Premiere Pro with industry-standard workflows
- Create visual effects, color correction, and sound design with Adobe tools
- Format and write scripts, plan shoots, and manage production schedules
- Work collaboratively in production teams
- Investigate career opportunities in media arts

**Notes:**

- Students may have the opportunity to earn college credits.

**Counseling Notes:**

1. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE VIDEO PRODUCTION PATHWAY:**

<i>Video Editor</i>	<i>Scriptwriter</i>	<i>Producer/Director</i>	<i>Storyboard Artist</i>	
<i>Television Production Manager</i>		<i>Production Designer</i>	<i>Cinematographer</i>	<i>Sound Designer</i>



## **VIDEO PRODUCTION 3 & 4 - (Media Arts Pathway)**

11, 12

Credits 2 Fine/Practical Arts or Elective

Location: Bollman

Video Production 3 & 4 is an advanced, project-based course designed for students who have successfully completed Video Production 1 & 2. This class focuses on mastery of advanced cinematography, audio, lighting, directing, and post-production workflows using professional-grade mirrorless cameras, cinema rigs, and the full Adobe Creative Cloud suite (Premiere Pro, After Effects, Audition, Photoshop, and more).

Students will create professional-level projects that mirror industry expectations. Assignments include a Documentary, a Movie Trailer, and a Final Short Film, as well as specialized exercises in directing, sound design, VFX, Foley, and AI integration in filmmaking. The course culminates with a public screening at the Future Forward Film Festival and preparation for Adobe Premiere Pro Certification.

### **Learning Outcomes:**

- Master advanced cinematography techniques including lens selection, camera rigs, and dynamic range management
- Direct actors and crew effectively on set
- Apply advanced audio recording and mixing techniques including foley and sound design
- Execute color correction, grading, and advanced editing workflows in Adobe Premiere Pro
- Utilize After Effects for motion graphics, rotoscoping, and compositing
- Plan, produce, and deliver professional-quality films from concept to final export
- Demonstrate leadership and professionalism in production environments
- Prepare for and complete Adobe Premiere Pro Certification

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. Prerequisite: Successful completion of Video Production 1 & 2
2. Course Fee: \$40.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE VIDEO PRODUCTION PATHWAY:**

<i>Video Editor</i>	<i>Scriptwriter</i>	<i>Producer/Director</i>	<i>Storyboard Artist</i>
<i>Television Production Manager</i>	<i>Production Designer</i>	<i>Cinematographer</i>	<i>Sound Designer</i>

## **VIDEO PRODUCTION INTERNSHIP - (Media Arts Pathway)**

12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman

The Video Production Internship is designed to provide students with real-world, work-based learning experiences in the field of film, television, and digital media production. This capstone course focuses on building professional skills and preparing students to be workforce ready. Interns will participate in supervised, hands-on projects including school and

district video productions, collaboration with Level II peers, networking with industry professionals, and creating films that exceed their prior capabilities.

Students are expected to demonstrate professionalism, adaptability, and leadership as they transition from student filmmakers to industry-ready professionals. This course also allows students to refine their skills in advanced cinematography, directing, editing, sound design, and project management while developing a strong portfolio.

**Learning Outcomes:**

- Apply advanced production skills in real-world settings
- Collaborate with industry professionals and school district clients
- Demonstrate leadership and initiative in professional video environments
- Strengthen skills in cinematography, editing, audio design, and production management
- Build a professional portfolio showcasing high-level work
- Develop workplace skills such as communication, time management, and problem-solving

**Notes:**

- Subject to industry availability and instructor approval.

**Counseling Notes:**

1. Prerequisite: Successful completion of Video Production 3 & 4 and Instructor recommendation

**BUSINESS AND ENTREPRENEURSHIP**

**REAL ESTATE 1 & 2 - (Business Pathway)**

11, 12

Credits: 1 Fine/Practical Arts or Elective

Location: Washington Square

This course provides a comprehensive introduction to the real estate industry, covering both residential and commercial sectors. Students will explore fundamental concepts, principles, and practices essential for understanding real estate transactions, property management, and investment strategies.

Students will also learn about the fundamentals of real estate to include: Market Analysis, Property Valuation, Financing and Investment, Leasing and Property Management, Legal Considerations, Development and Construction, Current Market Trends, and Technologies used in the industry.

**Counseling Notes:**

1. Course fee: \$20.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE REAL ESTATE PATHWAY:**

<i>Leasing Agent</i>	<i>Foreclosure Specialist</i>	<i>Property Management</i>	<i>Real Estate Investor</i>
<i>Title Examiner</i>	<i>Real Estate Agent</i>	<i>Appraiser</i>	
<i>Home Inspector</i>	<i>Property Developer</i>	<i>Mortgage Broker</i>	

## **SMALL BUSINESS OPERATIONS 1 & 2 - (Business Pathway)**

11, 12

Credits: 1 Fine Practical Arts/Elective

Location: Washington Square

This year-long course is designed to provide students with a comprehensive understanding of small business operations. Students will learn about the basic fundamentals of starting, managing, and growing a small business, with practical applications specific to career programs.

Small business operations involve the day-to-day activities and processes that keep a business running efficiently. Key components include:

1. **Management:** Overseeing daily activities, setting goals, and making strategic decisions.
2. **Finance:** Managing budgets, expenses, and cash flow, as well as bookkeeping and financial reporting.
3. **Marketing:** Promoting products or services to attract customers through various channels, including social media, advertising, and networking.
4. **Sales:** Engaging with customers to drive sales and build relationships, often through direct selling or online platforms.
5. **Human Resources:** Hiring, training, and managing employees, as well as ensuring compliance with labor laws.
6. **Customer Service:** Providing support to customers before, during, and after their purchase to enhance satisfaction and loyalty.
7. **Supply Chain Management:** Coordinating the procurement, production, and distribution of goods or services.

### **Counseling Notes:**

1. Course fee: \$20.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE SMALL BUSINESS OPERATIONS PATHWAY:**

*Small Business Owner*

*Entrepreneurship*

*Sales Manager*

*Business Consultant*

*Operations Manager*

*Non-Profit Manager*

*e-commerce Manager*

*Financial Analyst*

## **CRIMINAL JUSTICE & PUBLIC SAFETY**

### **CRIME SCENE INVESTIGATION 1 & 2 - (Criminal Justice & Public Safety Pathways)**

11, 12

Credits: 2

1 Science - Forensic Science 1

1 Fine/Practical Arts or Elective

Location: Washington Square



In this class, students will be provided hands-on experience on what real Crime Scene Investigators do. This course includes what a Crime Scene Investigator does working in the field and laboratory processing. Students will learn how the investigation team works and the Crime Scene Investigator's role. In this course, students will have the opportunity to use real crime lab equipment and study the following:

- Digital SLR photography
- Crime scene documentation
- Latent print processing techniques
- Trace evidence analysis
- Alternate Light Source (ALS) for evidence location, as well as chemical photography
- Impression evidence

Along with this class having a very hands-on, learn-by-doing process, we also collaborate with various law enforcement agencies and coroner offices throughout the Denver Metro area. This allows students to network with other professionals in this field and obtain various perspectives on a variety of case studies and personal experiences from forensic and law enforcement professionals. Through this program, students will have the potential of obtaining volunteer and shadowing opportunities through local agencies and obtain knowledge, skills and abilities that they can use moving forward in their career pathways.

**Notes:**

- Program will work in partnership with local area police departments.
- This course may contain sensitive material and graphic images.
- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Course fee: \$40.00.

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE CRIME SCENE INVESTIGATION**

<i>Crime Scene Investigator</i>	<i>Forensic Science Technician</i>	<i>Forensic ID Technician/Criminalist</i>
<i>Latent Print Examiner</i>	<i>Forensic Autopsy Technician</i>	<i>Crime Laboratory Analyst</i>
<i>Crime Scene Reconstructionist</i>	<i>Evidence Technician</i>	<i>DNA Analyst</i>

**CRIME SCENE INVESTIGATION 3 & 4 - (Criminal Justice & Public Safety Pathways)**

12

Credits: 2

1 Science - Forensic Science 2

1 Fine/Practical Arts or Elective

Location: Washington Square



In this class, students will further their knowledge of the investigative team and their roles/responsibilities. Students will further their expertise in crime scene investigation in the following areas:

- Timed/Aerial/Painting with light photography
- Chemical enhancements, to include BlueStar & Luminol
- Laser & shooting trajectory
- Latent print analysis & comparison
- Traffic accident documentation & reconstruction
- Bloodstain pattern analysis to include area of convergence & area of origin
- Faro 3D scanner
- Reflective Ultraviolet Imaging System (RUVIS)
- UV/IR forensic photography
- Gunshot residue recognition and documentation

- Clandestine graves
- Forensic entomology

Along with this class having a very hands-on, learn by doing process, we also collaborate with various law enforcement agencies and coroner offices throughout the Denver Metro area. This allows students to network with other professionals in this field and obtain various perspectives on a variety of case studies and personal experiences from forensic and law enforcement professionals. Through this program, students will have the potential of obtaining volunteer and shadowing opportunities through local agencies and obtain knowledge, skills and abilities that they can use moving forward in their career pathways.

**Notes:**

- Program will work in partnership with local area police departments.
- This course may contain sensitive material and graphic images.
- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Prerequisite: Successful completion of CSI 1 & 2
2. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE CRIME SCENE INVESTIGATION**

<i>PATHWAY: Crime Scene Investigator</i>	<i>Forensic Science Technician</i>	<i>Forensic ID</i>
<i>Technician/Criminalist</i>		
<i>Latent Print Examiner</i>	<i>Forensic Autopsy Technician</i>	<i>Crime Laboratory Analyst</i>
<i>Crime Scene Reconstructionist</i>	<i>Evidence Technician</i>	<i>DNA Analyst</i>
<i>Firearms Examiner</i>	<i>Forensic Entomologist</i>	<i>Forensic</i>
<i>Pathologist Bloodstain Pattern Analyst</i>	<i>Forensic Toxicologist</i>	<i>Coroner</i>
<i>Colorado Bureau of Investigation- Forensic Investigator</i>		<i>FBI- Evidence Response Team</i>

**EMERGENCY MEDICAL TECHNICIAN - EMT 1 & 2 - (Criminal Justice, & Public Safety Pathways)**

12

Credits: 2

1 Science - Pathophysiology

1 Fine/Practical Arts or Elective

Location: Washington Square



The EMT program is designed for the student wishing to investigate health-related and public safety careers. The areas of study include pathophysiology, safety practices, simulated clinical situations, medical emergencies, working in the pre-hospital setting, and providing patient transportation. Students may have the opportunity to have authentic experiences with local emergency medical service agencies.

All experiences are delivered through classroom, laboratory, and simulated clinical situations. The EMT program will provide the foundation for professional opportunities in the medical field, e.g. nursing, physician, dental, medical records, pharmacy, firefighter, paramedic, and other emergency medical services. EMT provides students with general workplace skills and specific health industry knowledge that can assist them in attaining employment in a variety of entry-level positions within the health care setting, or continue their education at the post-secondary level.

**Note:** This course may contain sensitive material and graphic images.

**Counseling Notes:**

1. Course fee: \$50.00

**Students in this program will learn the following skills:**

- Demonstrate an understanding of the roles and responsibilities of the EMT
- Demonstrate an understanding of the medical legal aspects
- Determine and record vital signs of a sick or injured person
- Use medical identification devices
- Identify the potential for a spinal injury
- Conduct a primary assessment of problems that are a threat to life if not corrected immediately
- Demonstrate Healthcare Professional BLS (Basic Life Support) procedures
- Recognize and control bleeding
- Recognize and control shock
- Identify and use mechanical aids to breathing
- Provide a secondary assessment of the patient
- Identify musculoskeletal injuries and treat them accordingly and effectively
- Provide emergency evacuation and transfer of a sick and/or injured patient
- Identify and care for patients who need specialized care
- Provide triage to victims of mass casualty incidents
- Recognize life-threatening situations
- Recognize entrapment situations
- Assist with emergency childbirth
- Identify critical incident stressors and techniques to effectively deal with them
- Communicate patient information to appropriate authorities
- Effectively communicate, both verbally and non-verbally, with patients of all ages

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN EMT PATHWAY:**

*EMT                      Firefighter                      ER Physician                      Psychologist                      Registered Nurse                      Paramedic*

**FIREFIGHTING 1 & 2 - (Criminal Justice & Public Safety Pathways)**

10, 11, 12

Credits: 2

1.5 Fine/Practical Arts or Elective

0.5 Physical Education Credit-Candidate Physical Aptitude Test (CPAT)

Location: Washington Square



A firefighter is an important figure within the public health and safety industry. Firefighters combat and extinguish fires, often working in high-pressure circumstances. Students will learn hands-on, practical skills in firefighter orientation, safety, fire behavior, building construction, firefighter personal protective equipment, fire streams, fire control, fire detection, alarm and suppression systems, loss control, and communications.

**Notes:**

- Program will work in partnership with local area fire departments.
- This course may contain sensitive material and graphic images.
- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Course fee: \$40.00.

## **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE FIREFIGHTING PATHWAY:**

*Firefighter*

*Paramedic*

*Hazmat Technician*

*EMT*

*Wildland Firefighter*

### **FIREFIGHTING 3 & 4 - (Criminal Justice, & Public Safety Pathways)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Washington Square



This program is designed to provide advanced training in firefighting skills such as extinguishing liquid and gas/vapor fueled fires, auto extrication, hazardous materials response awareness, advanced search and rescue skills and team leadership skills. Students will have the opportunity to complete clinical related experiences with live fire scenarios. Students will also have the opportunity to test for the CPAT (Candidate Physical Aptitude Test).

#### **Notes:**

- Program will work in partnership with local area fire departments.
- This course may contain sensitive material and graphic images.
- Students will have the opportunity to earn college credits.

#### **Counseling Notes:**

1. Prerequisite - Successful completion of Firefighting 1 & 2
2. Course fee: \$40.00

## **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE FIREFIGHTING PATHWAY:**

*Firefighter*

*Paramedic*

*Hazmat Technician*

*EMT*

*Wildland Firefighter*

### **LAW ENFORCEMENT 1 & 2 - (Criminal Justice & Public Safety Pathways)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Washington Square



Do you dream of working in Law Enforcement, as a Police Officer, Detective, Lawyer, Victim Advocate, or a Corrections Officer? A career in law enforcement can be exciting and rewarding. Students will learn about law-enforcement-related professions through practical, industry-related experiences—providing students exposure to police procedures, defensive tactics, criminal statutes, arrest control, courtroom procedures, and verbal de-escalation so they can graduate with a competitive advantage in their chosen field. This course has an emphasis on critical thinking, respect for self and others, communication, confidence, and assertiveness. These skills are established through taking reports, scenarios, presentations, and practicing oral boards to prepare for actual hiring events. The curriculum will provide the most authentic, industry-standard experience that is a balance between hands-on and academic understanding, including the use of an interactive training simulator. Students will review traffic laws, criminal laws, and civil protections, as well as court procedures and cases, as they apply to and affect law enforcement. Standard law enforcement techniques and practices will be taught by both CTE educators and professionals in their respective fields. There is both a physical and a nervous system regulation component to the class on a daily basis. Hard topics related to law enforcement, and the students are challenged to take

accountability and challenge themselves physically and mentally as they maintain respect and professionalism in a police environment.

**Notes:**

- Program will work in partnership with local police departments.
- This course may contain sensitive material and graphic images.
- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE LAW ENFORCEMENT PATHWAY:**

<i>Police Officer</i>	<i>Security Screener</i>	<i>Records Specialist</i>	<i>Detective</i>
<i>Background Investigator</i>	<i>Dispatcher</i>	<i>Animal Control</i>	

**LAW ENFORCEMENT 3 & 4 - (Criminal Justice & Public Safety Pathways)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Washington Square



Law Enforcement 3 & 4 students will learn advanced skills, knowledge, and techniques that were learned in the Law Enforcement 1 & 2 course. In this course, students will learn more in-depth knowledge of traffic investigation, including traffic accident reconstruction. Students will undergo advanced Investigation training and Interrogation training, which will also include Crisis Intervention Training (CIT). Students will also have the opportunity to participate in courtroom testimony, in the classroom and in an actual courtroom. Students will also learn more in depth about being a 911 Dispatcher and a Correctional Officer. Students will obtain more de-escalation skills, specifically when dealing with people in a crisis state and situations involving mental health. If you were enrolled in the Law Enforcement 1 & 2 course, and want to become experts on your skills, techniques, and knowledge, then this course is for you. Law Enforcement experts will teach and train students within this course.

**Notes:**

- Program will work in partnership with local police departments.
- Mental Health First Aid Certification possible.
- This course may contain sensitive material and graphic images.
- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Prerequisite - Successful completion of Law Enforcement 1 & 2
2. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE LAW ENFORCEMENT PATHWAY:**

<i>Detective</i>	<i>Court Reporter</i>	<i>District Attorney</i>	<i>Investigator</i>
<i>Bailiff</i>	<i>Paralegal</i>		

## **ENGINEERING, COMPUTER & DIGITAL TECHNOLOGIES**

### **PRINCIPLES OF ENGINEERING – (Engineering Technology Pathway)**

10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Bollman

This course introduces students to the foundational concepts of engineering through hands-on design, 3D modeling, and manufacturing. Students will explore the engineering design process while learning how to create and interpret technical drawings, develop 3D models using SOLIDWORKS, and bring their ideas to life through 3D printing and machining. Emphasizing both creativity and precision, this course helps students build the technical and problem-solving skills needed in modern engineering fields. Students will also prepare for and have the opportunity to earn the Certified SOLIDWORKS Associate (CSWA) credential.

#### **Counseling Notes:**

1. Students that complete this course may be eligible to test for Solidworks certification. **This certification may be used to demonstrate competency for new graduation guidelines.**
2. Students should have a good understanding of basic algebraic mathematics.
3. This course is recommended for students interested in design and engineering.
4. Course fee: \$20.00

#### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE ENGINEERING PATHWAY:**

*Mechanical Engineer    Electrical Engineer    Structural Engineer    Alternative/Renewable Energy Technician*

### **INTRODUCTION TO AVIATION & AERONAUTICAL ENGINEERING - (Engineering Technology Pathway)**

10, 11, 12

Credit: 1

0.5 Science - Aeronautics

0.5 Fine/Practical Arts or Elective

Location: Bollman



This course offers students an in-depth introduction to the world of aviation and aerospace, exploring the history, physics, and technology that make flight possible. Through engaging, hands-on experiences—including flight planning, navigation, weather analysis, and operation of small Unmanned Aircraft Systems (sUAS)—students gain a practical understanding of modern aviation. While drones serve as a major tool for learning, the course is designed for *any student interested in aviation*, whether their goals include piloting, air traffic control, engineering, meteorology, or other aerospace careers. Students will also prepare for and may have the opportunity to earn their FAA Part 107 Remote Pilot Certification and may earn college credit through Metropolitan State University (MSU).

#### **Notes:**

- Students may have the opportunity to earn college credits.

#### **Counseling Notes:**

1. Students that complete this course may have the opportunity to earn FAA Part 107 certification. **This certification may be used to demonstrate competency for new graduation guidelines.**
2. Course fee: \$20.00

## **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AVIATION AND AERONAUTICAL ENGINEERING PATHWAY:**

*Commercial Pilot*

*Drone Pilot*

*Air Traffic Controller*

*Aerospace Systems Analyst*

*Aerospace Engineer*

*Mechanical Engineer*

## **DRONE FLIGHT TRAINING & ANALYSIS - (Engineering Technology Pathway)**

11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Bollman



This advanced course builds on the foundations established in *Introduction to Aviation and Aeronautical Engineering*, offering students a deeper exploration into the physics, design, and operation of unmanned aircraft systems. Students will apply principles of aerodynamics, electronics, and engineering design as they plan, build, and test their own custom drones. With an emphasis on hands-on learning, flight experience, and technical problem solving, this course challenges students to think like engineers and aviators while mastering advanced flight skills and systems integration.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. Prerequisite: Introduction to Aviation & Aeronautical Engineering or instructor approval
2. Course fee: \$20.00

## **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AVIATION AND AERONAUTICS ENGINEERING PATHWAYS:**

*Commercial Pilot*

*Drone Pilot*

*Air Traffic Controller*

*Aerospace Systems Analyst*

*Aerospace Engineer*

*Mechanical Engineer*

## **AI FOR EVERYONE - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman

In this hands-on and thought-provoking course, students explore how artificial intelligence is transforming the world around them—and their own futures. Through real-world examples and creative projects, students learn how AI systems are built, trained, and applied to solve problems, while examining their benefits, limitations, and ethical implications. They gain practical experience using AI tools to generate ideas, identify patterns in data, and evaluate outputs critically and responsibly. From personal assistants and recommendation systems to robotics and generative models, students uncover how AI is shaping industries, influencing daily life, and raising new questions about creativity, privacy, and human oversight. By the end of the course, students will not only understand how AI works, but also how to use it thoughtfully to make a positive impact on their communities.

### **Counseling Notes:**

1. Course length: 1 semester
2. Course fee: \$10.00

## **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE COMPUTER SCIENCE PATHWAY:**

*Computer Programmer*

*Computer Engineer*

*Web Designer*

*IT Specialist*

*Network Technician*

*Video Game Designer*

## **AP COMPUTER SCIENCE A - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Bollman

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. The course emphasizes object-oriented programming and design using the Java programming language.

### **Counseling Notes:**

1. Prerequisites: Coding I and Coding II; or AP Computer Science Principles; or Instructor approval. Students must also be enrolled in, or have completed, Integrated Math II.
2. Course fee: \$99 for AP Examination (subject to annual increase)
3. All students taking AP Computer Science A will be required to attempt the Advanced Placement Examination in order to receive the weighted credit for this course. A score of two or better demonstrates Math competency for new graduation guidelines.
4. There will also be a mandatory guardian/student meeting in April that will cover class expectations. At that time, the guardian and student will sign an AP contract.

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE COMPUTER SCIENCE PATHWAY:**

*Computer Programmer*

*Computer Engineer*

*Web Designer*

*IT Specialist*

*Network Technician*

*Video Game Designer*

## **CODING I - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman

Coding I is a Python course intended to teach students the basics of computer programming. Students begin by learning the history of computing, the impacts it has had, and the impacts it may have. Students explore career opportunities associated with coding.

The course places emphasis on practicing standard programming techniques and learning the logic tools and methods typically used by programmers to create simple computer applications. Upon completion of this course, proficient students will be able to solve problems by planning multi-step procedures; understanding number systems and how they are used in programming; write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language; and will be able to troubleshoot/debug programs and software applications on a computer and/or microcontroller to correct malfunctions and ensure their proper execution.

### **Counseling Notes:**

1. Course length: 1 semester
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE COMPUTER SCIENCE PATHWAY:**

*Computer Programmer*

*Computer Engineer*

*Web Designer*

*IT Specialist*

*Network Technician*

*Video Game Designer*

## **CODING II - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman

Coding II challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. In so doing, they develop key skills of discernment and judgment as they must choose from among many languages, development environments, and strategies for the program life cycle. Course content is reinforced through numerous short- and long-term programming projects, accomplished both individually and in small groups. These projects are meant to hone the discipline and logical thinking skills necessary to craft error-free syntax for the writing and testing of programs. Upon completion of this course, proficient students will demonstrate an understanding of object-oriented programming language using high-level languages such as Processing (Java version), FOCUS, Python, or SAS.

### **Counseling Notes:**

1. Prerequisites: Coding I or teacher approval
2. Course length: 1 semester
3. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE COMPUTER SCIENCE PATHWAY:**

*Computer Programmer*

*Computer Engineer*

*Web Designer*

*IT Specialist*

*Network Technician*

*Video Game Designer*

## **CYBERSECURITY - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Bollman

In this one-year course students will explore the current cyber threat landscape to understand the types of adversaries organizations face and the techniques adversaries use to compromise systems and data. Students will learn how vulnerabilities create risks and how organizations implement security controls to manage that risk. Topics in this course include law, ethics, physical, operational, application and network security, security controls, cryptography, access control, attacks and detection, and response and recovery. Students will research emerging trends in cybersecurity and gain hands-on experience implementing security protocols.

### **Counseling Notes:**

1. Prerequisite: Coding I or AP Computer Science Principles or teacher approval
2. Course fee: \$20.00
3. Students may opt into the AP Networking & AI Cybersecurity Exam. If they opt into the AP Exam they are responsible for the cost of the AP Exam.

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE CYBERSECURITY PATHWAY:**

*Cyber Crime Investigator*

*Cybersecurity Consultant*

*IT Auditor*

*Software Development*

*Cybersecurity Engineer*

## **GAME DESIGN - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman

**Counseling Notes:** Step into the world of interactive storytelling, digital art, and coding as you learn how to design your own playable games from the ground up. In this hands-on course, students explore every stage of game creation - from researching player experience and building engaging prototypes to coding game mechanics, designing art and sound, and testing finished products for quality and accessibility. Along the way, you'll dive into real industry practices, collaborate with peers, and apply critical thinking to bring original game ideas to life while tackling important topics like ethics, representation, and digital rights. Whether you're into coding, art, strategy, or storytelling, this course gives you the tools to level up your creativity and build something players will love.

1. Course length: 1 semester
2. Prerequisite: Coding I or teacher approval
3. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE COMPUTER SCIENCE PATHWAY:**

*Computer Programmer*

*Computer Engineer*

*Web Designer*

*IT Specialist*

*Network Technician*

*Video Game Designer*

## **NETWORKING A & B - (Computer & Digital Technologies Pathways)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman

Networking A & B is an advanced course designed to emphasize the conceptual and practical skills necessary to design, manage, and diagnose network hardware and software. Upon completion of this course, proficient students will identify types of networks, understand the layers of the open systems interconnection (OSI) model, prevent security risks, and apply troubleshooting theory to the successful execution of networking tasks. Course content covers transmission control protocol, internet protocol, wired and wireless topologies, switching and routing, network hardware, wireless networking, and network operating systems (NOS). Upon completion of this course, proficient students will be prepared to sit for the CompTIA Network+ exam. Students will also be halfway through the curriculum necessary to take the Cisco CCNA certification exam.

### **Counseling Notes:**

1. Prerequisite: Coding I or AP Computer Science Principles or teacher approval
2. Course fee: \$40.00
3. Students may opt into the AP Networking & AI Cybersecurity Exam. If they opt into the AP Exam they are responsible for the cost of the AP Exam.

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE NETWORKING PATHWAY:**

*Networking Administrator*

*Network Engineer*

*Network Technician*

*Cybersecurity Specialist / Technician*

*Incident Analyst/Responder*

## **NETWORKING C & D - (Computer & Digital Technologies Pathways)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman

In this course, students develop and build a foundation for success in networking-related careers and degree programs. With the support of video and rich interactive media, participants learn, apply, and practice CCNA knowledge and skills through a series of in-depth hands-on experiences and simulated activities that reinforce their learning. Upon completion of this course students will be prepared to take the Cisco CCNA certification exam.

### **Counseling Notes:**

1. Prerequisite: Networking A & B
2. Course fee: \$40.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE NETWORKING PATHWAY:**

*Networking Administrator*

*Network Engineer*

*Network Technician*

*Cybersecurity Specialist / Technician*

*Incident Analyst/Responder*

## **COMPUTER SCIENCE INTERNSHIP - (Computer & Digital Technologies Pathways)**

12

Credits: 3 Fine/Practical Arts or Elective

Location: Bollman

In this one year course students participate in the National Security Agency's (NSA) High School Work Study (HSWS) Program. It is a highly competitive program designed for high school students who plan to participate in a paid part-time internship during their senior year. Students have the opportunity to gain work experience in the IT and Cybersecurity Fields. The program provides hands-on work experience from September – August for 4 hours per day / 20 hours per week Monday – Friday with a security clearance, part-time salary, paid leave, and the opportunity for permanent employment upon successful completion of the program.

### **Notes:**

- Subject to industry availability and teacher approval.

### **Counseling Notes:**

1. Prerequisite: Student must apply for the position during their 11th grade year and be selected

## **HEALTH SCIENCE**

### **INTRODUCTION TO MEDICAL CAREERS 1 & 2 - (Health Science Pathway)**

10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Bollman

Are you considering a career in the medical field? How will you choose from the numerous specialties available in this field? This engaging introductory course will provide students with the opportunity to interact with medical professionals and explore the many opportunities available. In addition to this fun exploration, students will be introduced to basic

medical terminology, gain an introduction to body systems, and practice leadership and teamwork through participation in HOSA (Future Health Professionals).

**Counseling Notes:**

1. Course fee: \$20.00

**POSSIBLE FUTURE CAREER OPPORTUNITIES FOR STUDENTS IN MEDICAL CAREERS PATHWAY:**

<i>Nurse</i>	<i>Athletic Trainer</i>	<i>CNA</i>	<i>EMR/EMT/Paramedic</i>
<i>Doctor</i>	<i>Dental Hygienist</i>	<i>Vet Tech</i>	<i>Massage Therapist</i>
<i>Physical Therapist</i>	<i>Dentist</i>	<i>Veterinarian</i>	<i>Psychiatrist</i>

**MEDICAL SCIENCES I & 2 - (Health Science Pathway)**

11, 12

Credits: 2

1 Science - CP Anatomy and Physiology

1 Fine/Practical Arts or Elective

Location: Bollman

The Medical Sciences 1 & 2 program is designed for students who are interested in pursuing careers in the healthcare field. This course is also recommended for students who plan to apply for Advanced Medical Sciences/CNA or Emergency Medical Technician/EMT in their senior year. The core curriculum is based on National Health Science Standards and is focused on the following:

- CP Anatomy & Physiology
- Healthcare career exploration
- Medical terminology
- Workplace skills, including problem-solving and teamwork
- Law and Ethics in Health Care
- Introduction to clinical skills
- Anatomage Table for virtual cadaver experiences

**Counseling Notes:**

1. Students that complete this course are eligible to test for National Health Science Certification. **This certification may be used to demonstrate competency for the new graduation guidelines.**
2. Course fee: \$40.00

**POSSIBLE FUTURE CAREER OPPORTUNITIES FOR STUDENTS IN MEDICAL SCIENCES PATHWAY:**

<i>Nurse</i>	<i>Athletic Trainer</i>	<i>CNA</i>	<i>EMR/EMT/Paramedic</i>
<i>Doctor</i>	<i>Dental Hygienist</i>	<i>Vet Tech</i>	<i>Massage Therapist</i>
<i>Physical Therapist</i>	<i>Dentist</i>	<i>Veterinarian</i>	<i>Psychiatrist</i>

**ADVANCED MEDICAL SCIENCES - CNA 1 & 2 - (Health Science Pathway)**

12

Credits: 2.5

1 Science – Pathophysiology

1.5 Fine/Practical Arts or Elective

Location: Bollman

The Advanced Medical Sciences/CNA, Certified Nursing Assistant, program is designed for the mature, responsible student wishing to investigate careers in the medical field. Students interested in registering for this program should have a serious interest and long-term goal of employment in the medical field. A strong commitment to the program is necessary to be successful in this class. This program emphasizes character building, honesty, integrity, and professionalism. The core of the curriculum is focused on the following: medical terminology, pathophysiology, basic nursing skills, career exploration, safety practices, ethics, and human relations. All are delivered through classroom, laboratory, and clinical situations. **Students successfully completing this course will receive their CPR/First Aid Certification. They will also be eligible to take the Nurse Aide exam with the Board of Nursing to become certified nursing assistants, if all portions of the course, including clinicals, are successfully completed.**

**IMMUNIZATIONS NEEDED:**

- MMR (Measles, mumps, rubella)
- Tdap (tetanus, diphtheria, pertussis)
- Hepatitis B (Hep B - may take up to six months to complete)
- Polio
- Varicella (chicken pox)
- Influenza
- COVID-19

All immunizations must be completed by November 1<sup>st</sup>.

**SCREENINGS:**

- TB (Tuberculosis)
- Criminal Background Check – Due November 1<sup>st</sup> - will be completed in class  
Clinical facilities require a criminal background check on each student prior to allowing them to participate in clinical experiences at their facilities.
- Drug testing required for clinicals.

**Counseling Notes:**

1. Successful completion of Introduction to Medical Careers, Medical Sciences 1 & 2, CP/AP Anatomy & Physiology, or another CP or AP science course in the 11<sup>th</sup> grade year is recommended.
2. Excellent attendance expected.
3. Course fee: \$50.00

**Class Format:**

**Semester 1:**

This course is offered in a two-hour block that includes classroom work, labs, field trips, and guest speakers.

**Semester 2:**

This course is offered in a three-hour block to include clinical experiences working with patients in a hospital, nursing home, and/or internship site settings. **Students must provide their own transportation for these clinical experiences.** Students enrolled in the 6/7/8 block must provide their own transportation after 8<sup>th</sup> hour, second semester.

**Student Requirements:**

1. Students must have 75% or higher in the course curriculum standards and teacher recommendation to continue in this class second semester.
2. Uniforms are required for both the class and clinicals.
3. Students are required to have the following items for clinical and internship experiences:
  - a. Watch with second hand (analog)
  - b. Black scrub pants (no sweats, leggings, or jeans) and turquoise scrub top (may be checked out from Bollman)

- c. Closed toe shoes (tennis shoes or nursing, etc.)
- d. Tattoos must not be visible during clinicals.
- e. No facial piercings; only a single post in each ear during clinicals.
- f. Nails must be kept clean and short. No artificial nails during clinicals.

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN MEDICAL SCIENCES-CNA PATHWAY:**

<i>Pediatrician</i>	<i>Physician/Surgeon</i>	<i>Registered Nurse</i>	<i>Nurse Practitioner</i>
<i>Psychiatrist</i>	<i>Physical Therapist</i>	<i>Respiratory Therapist</i>	<i>Physicians Assistant</i>
<i>LPN - Licensed Practical Nurse</i>		<i>CNA - Certified Nursing Assistant</i>	

**SPORTS MEDICINE 1 & 2 - (Health Science Pathway)**

11, 12

Credits: 2

1 Fine/Practical Arts or Elective

1 Science - Kinesiology 1

Location: Washington Square



The Sports Medicine Class is designed for students to learn about medical issues associated with sports, from joint pain to ligament tears to nutrition. Topics covered in this class include: athletic training, physical therapy, medicine, fitness, exercise physiology, kinesiology, nutrition, injury risk reduction, treatment, rehabilitation, emergency injury management, and administrative functions. This class will have a hands-on application in order to provide students with an avenue to explore these fields. Through these connections, students will understand the importance of exercise, nutrition, and methods for preventing and recovering from injuries.

**Notes:**

- Students will have the opportunity to earn college credits

**Counseling Notes:**

1. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE SPORTS MEDICINE PATHWAY:**

<i>Exercise Physiologist</i>	<i>Sports Psychologist</i>	<i>Chiropractor</i>
<i>Athletic Trainer</i>	<i>Sports Medicine Nurse</i>	<i>Massage Therapist</i>
<i>Orthopedic Nurse</i>	<i>Orthopedic Surgeon</i>	<i>Physician Assistant</i>
<i>Occupational Therapist</i>	<i>Sports Medicine Physician</i>	<i>Physical Therapist Assistant</i>
<i>Physical Therapist</i>	<i>Physiatrist</i>	
<i>Dietician</i>	<i>Personal Trainer</i>	

**SPORTS MEDICINE 3 & 4 - (Health Science Pathway)**

12

Credits: 2

1 Fine/Practical Arts or Elective

1 Science - Kinesiology 2

Location: Washington Square



Sports Medicine 3 & 4 offers an in-depth exploration of how to effectively train individuals—from high-performing athletes to sedentary adults seeking a healthier lifestyle. This advanced course builds on foundational knowledge in anatomy, physiology, and injury treatment, emphasizing how to promote fitness, health, and injury prevention through personalized physical training. Students will engage in frequent hands-on learning experiences and collaborate with healthcare professionals to expand their understanding of the field. These collaborations provide valuable opportunities for networking, job exploration, shadowing, and developing professional relationships for future reference. Additionally, students have the opportunity to earn a personal training certification and will also be eligible to receive college credit upon successful completion of the course.

**Notes:**

- Students will have the opportunity to earn college credits.
- Students will have the opportunity to obtain their Personal Training Certificate.

**Counseling Notes:**

1. Prerequisite: Successful completion of Sports Medicine 1 & 2
2. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE SPORTS MEDICINE PATHWAY:**

<i>Exercise Physiologist</i>	<i>Sports Psychologist</i>	<i>Chiropractor</i>
<i>Athletic Trainer</i>	<i>Sports Medicine Nurse</i>	<i>Massage Therapist</i>
<i>Orthopedic Nurse</i>	<i>Orthopedic Surgeon</i>	<i>Physician Assistant</i>
<i>Occupational Therapist</i>	<i>Sports Medicine Physician</i>	<i>Physical Therapist Assistant</i>
<i>Physical Therapist</i>	<i>Physiatrist</i>	<i>Personal Trainer</i>
<i>Dietician</i>		

**HOSPITALITY & FOOD PRODUCTION**

**PROSTART 1 & 2 - (Hospitality & Food Production Pathway)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: ESC



Interested in a fast-paced, hands-on, creative career? Do you have a passion for food or travel? ProStart may be the class for you. The ProStart program is designed to expose students to the culinary, tourism, and hospitality fields including food preparation, management, and customer service. Through the curriculum, students are able to blend food science, technical skills, and industry knowledge with each student’s creativity and passion.

ProStart is a nationally certified program focusing on the hospitality industry. The ProStart curriculum is built around providing students the necessary industry skills and knowledge to succeed within the hospitality and tourism industry as well as a post-secondary hospitality or culinary program.

**Content covered in this program:**

- |                                  |                                 |
|----------------------------------|---------------------------------|
| ● Food Safety and Sanitation     | ● Kitchen Hierarchy and Brigade |
| ● Stocks, Soups, and Sauces      | ● Nutrition                     |
| ● Cooking Methods and Techniques | ● Global Cuisine                |
| ● Food Costing and Menu Control  | ● Meat, Poultry, and Seafood    |

- Salads, Dressings, and Dips
- Breakfast Foods and Sandwiches
- Management Strategies
- Garnishing and Plating Techniques
- Kitchen Equipment
- Knife Skills
- Customer Service and Serving Techniques

**Notes:**

- Students may have the opportunity to earn college credits.

**Counseling Notes:**

1. Students that complete this course may be eligible to test for ProStart certification.
2. ProStart is a culinary arts and restaurant management program, taught by a professional Chef, and designed to prepare students for culinary school, apprenticeships, and/or careers in the industry.
3. ProStart is a FutureForward program taught at the Educational Support Center (Admin Building) 128<sup>th</sup> & Claude Ct. Transportation is provided.
4. Course fee \$85.00
  - a. Personalized chef coat and chef hat included in course fee.

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE PROSTART/FOOD PRODUCTION PATHWAY:**

<i>Caterer</i>	<i>Chef/Pastry Chef</i>	<i>Hotel General Manager</i>	<i>Food Photographer</i>
<i>Event Planner</i>	<i>Restaurant Entrepreneur</i>	<i>Food/Beverage Director</i>	<i>Food Scientist/R &amp; D Chef</i>

**BAKING & PASTRY APPLICATIONS 1 & 2 - (Hospitality & Food Production Pathway)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: ESC

Baking & Pastry Applications is designed to expose students to advanced techniques of baking and pastry, combining creativity with food science to produce ornate and delicious pastries and baked goods. For students who know they are pursuing a career in culinary arts, this class will enable them to dive deeper into advanced food production techniques, develop technical skills, and learn vital aspects of foodservice management.

**Content covered in the program:**

- Advanced Breads and Cakes
- Advanced and Classic Plated Desserts
- Functions of Ingredients in Baking
- Safety and Sanitation
- Food Artistry and Chocolate Work
- Cold Desserts
- Pies, Soufflés, and Custards
- Employability Skills
- Foodservice Management

**Counseling Notes:**

1. Prerequisite: Successful completion of ProStart 1 & 2
2. Course fee \$40.00
  - a. Personalized chef coat \$20.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE BAKING APPLICATIONS PATHWAY:**

<i>Baker</i>	<i>Line Chef</i>	<i>Food Scientist/R&amp;D Chef</i>
<i>Pastry Chef</i>	<i>Food Artist</i>	<i>Food/Beverage Manager</i>

## **PROSTART INTERNSHIP - (Hospitality & Food Production Pathway)**

12

Credits: 2 Fine/Practical Arts or Elective

Location: ESC

This course is designed for students to engage and work in a foodservice business setting. Interns will work with industry professionals in various foodservice industries on real-world tasks meant to develop professional skills beyond those learned in prior food production classes including exposure to commercial kitchen procedures, structure, and timeframes. Students who take this class should be highly motivated in the field of culinary arts and actively considering a career within the foodservice industry. This course is meant to refine the intern's knife skills, food knowledge, cooking techniques, kitchen organization and efficiency, communication skills, self-management, and gain valuable resume-building experience.

### **Notes:**

- Subject to industry availability and instructor approval.

### **Counseling Notes:**

1. Prerequisite: Successful completion of ProStart and/or Baking & Pastry Applications and Instructor recommendation

## **HUMAN SERVICES & EDUCATION**

### **INTRODUCTION TO MENTAL HEALTH CAREERS 1 & 2 - (Human Services Pathway)**

10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Bollman



This program is designed for students who are interested in pursuing careers in the behavioral/mental health fields.

### **Students will:**

- Explore educational and professional behavioral health career pathways
- Study common behavioral and mental health disorders and recognize signs of mental health distress
- Apply legal, professional, and ethical considerations important to the delivery of safe and effective behavioral health care
- Identify various communication techniques, including therapeutic communication and motivational interviewing, to assist in developing the skills needed to build therapeutic relationships with clients and improve patient outcomes in behavioral health settings
- Create a resource notebook, life skills class, and multiple project based learning assignments to take with them into the field

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. Course fee: \$20.00

## POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE BEHAVIORAL/MENTAL HEALTH PATHWAYS:

*Behavioral Health Technician      Social Worker      Psychologist      Psychiatrist      Medical*  
*Psychiatric Nurse      School Counselor      Therapist      Law Enforcement      Education*

### **BEHAVIORAL/MENTAL HEALTH 3 & 4 – (Human Services Pathway)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



#### **Students will:**

- Continue with all concepts introduced in Level 1 & 2 in a more advanced capacity
- Identify the steps of case management, from intake to follow-up
- Apply the strengths-based clinical case management model
- Practice crisis interventions and clinical documentation
- Demonstrate active listening skills, including paraphrasing, summarizing, and clarifying, to enhance client engagement and understanding
- Develop empathetic responses to client emotions and experiences, fostering a supportive and non-judgmental therapeutic environment.
- Create open-ended questions and reflective statements to facilitate exploration of client thoughts, feelings and behaviors

#### **Notes:**

- Students may have the opportunity to earn college credits.

#### **Counseling Notes:**

1. Prerequisite: Successful completion of Intro to Mental Health Careers 1 & 2
2. Course fee: \$40.00

## POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE BEHAVIORAL/MENTAL HEALTH PATHWAYS:

*Behavioral Health Technician      Social Worker      Psychologist      Psychiatrist      Medical*  
*Psychiatric Nurse      School Counselor      Therapist      Law Enforcement      Education*

### **BEHAVIORAL/MENTAL HEALTH 5 & 6 - (Human Services Pathway)**

12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



In this advanced course, students will continue to expand their knowledge in all concepts introduced in level 3 & 4 courses. Students will study personality theory and abnormal psychology with opportunities for additional college credit. In addition, there will be differentiated in-the-field placements providing hands-on learning opportunities. They will also work to solidify their Motivational Interviewing Skills as well as develop clarity in using the DSM-5 and DSM-5TR in various fields in relation to mental health diagnosis.

#### **Notes:**

- Students may have the opportunity to earn college credits.

#### **Counseling Notes:**

1. Prerequisite: Successful completion of Advanced Behavioral/Mental Health 3 & 4

2. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE BEHAVIORAL/MENTAL HEALTH PATHWAYS:**

<i>Behavioral Health Technician</i>	<i>Social Worker</i>	<i>Psychologist</i>	<i>Psychiatrist</i>	<i>Medical</i>
<i>Psychiatric Nurse</i>	<i>School Counselor</i>	<i>Therapist</i>	<i>Law Enforcement</i>	<i>Education</i>

**P-TEACH INTERNSHIP - (Education Pathway)**

10, 11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman

Curious about the teaching profession? This course offers a hands-on field experience/internship where you will support a mentor teacher in a local classroom, gaining invaluable experience with students. Tailor your internship to your interests, with options in PreK, Elementary, Secondary, Music, Art, or Special Education. Offered in fall and spring semesters, this course may be repeated for credit, allowing you to deepen your skills and explore various educational environments. Join us and ignite your passion for teaching!

**Counseling Notes:**

1. Prerequisite: Must have previously completed at least one P-TEACH course prior to taking internship
2. Course fee: \$10.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

**HDFR 1010 LIFESPAN DEVELOPMENT - (Education Pathway)**

10, 11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman



This course is designed to introduce students to human development across the lifespan within families, school and community contexts. We will examine emotional, physical and cognitive development, while emphasizing personal adjustment and achievement. This course may include some field experiences.

**Notes:**

- Students may have the opportunity to earn college credits.

**Counseling Notes:**

1. This is a semester-long course
2. Course fee: \$10.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **CLDE 1000 LANGUAGE, IDENTITY, & POWER: INTERNATIONAL PERSPECTIVES - (Education Pathway)**

11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman



This course invites students to explore how language, identity, and power shape educational experiences of all students. Students will also explore how to create inclusive and engaging classrooms that meet the needs of all diverse learners. Students will tackle pressing issues related to race, ethnicity, gender, and media - uncovering how societal attitudes towards language reveal deeper inequalities. This course may include classroom experience.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a semester-long course
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **ECED 1202 CHILD GUIDANCE AND CLASSROOM COMMUNITY - (Education Pathway)**

11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman



*Would you like to learn how to address children's social emotional needs and how to create a connected community in your classroom?* This course explores and applies classroom strategies to promote social competence, build classroom community and facilitate emotional regulation. An emphasis is on understanding development within group contexts, observing children's behavior and engaging with families to make decisions about learning. This course may include classroom experience.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a semester-long course
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **INTE 2000 DIGITAL TEACHING AND LEARNING - (Education Pathway)**

11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman



This course explores the transformative power of technology in education including artificial intelligence. Students will learn to effectively integrate digital tools and media to enhance personal learning, design engaging lessons, and share content. Key areas of focus include critically evaluating media for trustworthiness, creating impactful digital content, and utilizing technology to promote equity and access in the classroom.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a semester-long course
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **LCRT 2000 REBELS, VILLAINS, AND SUPERHEROES - (Education Pathway)**

11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman



This course explores both classical and contemporary children's and adolescent literature and media. This course focuses on exploring perspectives and personal responses to literature, developing literary understanding among children and teens, and exploring how literature impacts identity development. Course readings include children's books, young adult literature, apps, graphic novels and multimodal texts. Students will read and respond to literature from the dual perspective of a literacy genre and representation of the pivotal issues of child and adolescent identity development.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a semester-long course
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **SPED 1030 UNDERSTANDING (DIS)ABILITY IN CONTEMPORARY CLASSROOMS - (Education Pathway)**

11, 12

Credits: 0.5 Fine/Practical Arts or Elective

Location: Bollman



Would you like to learn more about the world of Special Education and the strengths and needs of students with special needs? This course is designed to provide a basic introduction to special education and the needs of students who have disabilities. It includes introductory material regarding legal and historical foundations of special education, human growth and development, the nature of disabilities, and an introduction to the basic human needs that must be addressed. This course may include classroom experience.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a semester-long course
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **UEDU 1930 INTRO TO SOCIALLY JUST EDUCATION 1 - (Education Pathway)**

12

Credits: 0.5 English

Location: Bollman



This year-long course (paired with UEDU 1931) fulfills the English 12 graduation requirement. This course examines sociological issues concerning urban schools, communities and provides an overview of school culture, diversity and social realities in American schools. Students will critically examine education issues that affect their lives, their community and classrooms throughout the country.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a year-long course (paired with UEDU 1931).
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## UEDU 1931 INTRO TO SOCIALLY JUST EDUCATION 2: SOCIAL ACTION PLAN - (Education Pathway)

12

Credits: 0.5 English

Location: Bollman



Building on UEDU 1930, this advanced course explores complex social issues in urban schools. We will examine school culture, diversity, and social challenges in American education, encouraging critical thinking about these issues personally, communally, and nationally. A key component is creating a social action plan, applying knowledge to real-world educational injustices, researching solutions, and developing advocacy, community involvement, and project management skills. The course emphasizes student leadership in addressing social injustices and fostering positive change. This course includes 30 hours of field experience.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. This is a year-long course (paired with UEDU 1930).
2. Course fee: \$10.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE EDUCATION PATHWAY:**

<i>Coach</i>	<i>Counselor</i>	<i>Elementary/Secondary Teacher</i>	<i>School Administrator</i>
<i>Social Worker</i>	<i>Psychologist</i>	<i>Special Education Teacher</i>	<i>Child Advocate</i>
<i>Speech/Language Pathologist</i>		<i>Private Industry Trainer</i>	

## **SKILLED TRADES & TECHNICAL SCIENCES**

### **AUTO BODY COLLISION REPAIR & REFINISHING 1 & 2 - (Transportation, Distribution & Logistics Pathways)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



Auto Body Collision Repair Technicians find their skills increasingly valued as more vehicles fill the roads and a greater number of traffic accidents damage these vehicles. As OEM vehicles continue to incorporate sophisticated new materials and increasingly complex design technologies in their vehicles, the collision repair industry will face an ongoing need for repair technicians. Students in FutureForward's Auto Body Collision Repair program will learn to assess the damage, remove and install parts, remove dents, replace sections, and paint the car body. In addition, students learn how to estimate a repair job and obtain the entrepreneurial skills to operate their own business. Collision repair and refinishing is a challenging, lucrative, and rewarding career, especially as vehicles become more diverse and high-tech in their construction. All students will have the opportunity to obtain an industry-relevant I-CAR certification. **I-CAR**, the Inter-Industry Conference on Auto Body Collision Repair, plays a major role in supplying the industry with well-trained, knowledgeable, and highly employable collision repair professionals.

### **Notes:**

- Students may have the opportunity to earn college credits.

**Counseling Notes:**

- 1. Students who complete this course may be eligible to test for I-CAR, the Inter-Industry Conference on Auto Body Collision Repair. **This certification may be used to demonstrate competency for new graduation guidelines.**
- 2. Safety glasses, shop shirt, and appropriate shoes are required.
- 3. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AUTO COLLISION REPAIR AND REFINISHING PATHWAY:**

<i>Auto Body Shop Owner/Manager</i>	<i>Collision Estimator</i>	<i>Automobile Customization</i>
<i>Repair Technician</i>	<i>Master Painter</i>	<i>Prep Technician</i>
<i>Aviation Paint Technician</i>	<i>Auto Detailing Technician</i>	<i>Auto Restoration Technician</i>

**AUTO BODY COLLISION REPAIR & REFINISHING 3 & 4 - (Transportation, Distribution & Logistics Pathways)**  
11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Bollman



Auto Body Collision Repair Technicians find their skills increasingly valued as more vehicles fill the roads and a greater number of traffic accidents damage these vehicles. As OEM vehicles continue to incorporate sophisticated new materials and increasingly complex design technologies in their vehicles, the collision repair industry will face ongoing need for repair technicians.

Level 3 & 4 students in FutureForward’s Auto Body Collision Repair program will learn auto estimating, color matching and theory, plastic repair, applying adhesives, custom painting techniques, and applying decals and pinstripes.

**Notes:**

- Students may have the opportunity to earn college credits.

**Counseling Notes:**

- 1. Prerequisite: Completion of Auto Body Collision Repair and Refinishing 1 & 2
- 2. Students that complete this course may be eligible to test for I-CAR, the Inter-Industry Conference on Auto Body Collision Repair. **This certification may be used to demonstrate competency for new graduation guidelines.**
- 3. Safety glasses, shop shirt, and appropriate shoes are required.
- 4. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AUTO COLLISION REPAIR AND REFINISHING PATHWAY:**

<i>Auto Body Shop Owner/Manager</i>	<i>Collision Estimator</i>	<i>Automobile Customization</i>
<i>Repair Technician</i>	<i>Master Painter</i>	<i>Prep Technician</i>
<i>Aviation Paint Technician</i>	<i>Auto Detailing Technician</i>	<i>Auto Restoration Technician</i>

**AUTO BODY COLLISION REPAIR & REFINISHING INTERNSHIP - (Transportation, Distribution & Logistics Pathways)**

12

Credits: 3 Fine/Practical Arts or Elective

Location: Bollman

This course is designed to prepare students to enter the workforce through on-the-job training in the form of an internship. Students will have the opportunity to apply advanced automotive collision repair and refinishing skills in supervised practical experience on the job to become effective automotive technicians.

**Notes:**

- Subject to industry availability and teacher approval.

**Counseling Notes:**

1. Prerequisite: Successful completion of Auto Body Collision Repair and Refinishing 3 & 4 and Instructor recommendation
2. Safety glasses, shop shirt, and appropriate shoes are required.
3. Students are required to provide transportation to the job site.
4. Students will have to complete an individual company's pre-hiring approval process.

**AUTOMOTIVE TECHNOLOGY 1 & 2 - (Transportation, Distribution & Logistics Pathways)**

10, 11, 12

Credits: 2 Fine Practical Arts/Elective

Location: Bollman



The Auto Technology program is National Automotive Technical Education Foundation (NATEF) certified in all eight areas. Instructors are Master ASE Certified.

Auto Technology 1 & 2 program provides great opportunities for students interested in careers related to the automotive industry. Students will gain a thorough knowledge of engine performance, electronic diagnostics, light maintenance, brakes, tires, cooling systems, chassis, drivetrains, fuel systems, steering, suspension, and electrical systems. Students will have the opportunity to obtain student ASE certifications in the automotive field.

**Notes:**

- Students may have the opportunity to earn college credits.

**Counseling Notes:**

1. Students that complete this course are eligible to test for Automotive Service Excellence (ASE) certification.  
**This certification may be used to demonstrate competency for new graduation guidelines.**
2. Safety glasses, shop shirt, and appropriate shoes are required.
3. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AUTO TECHNOLOGY PATHWAY:**

*Auto Shop Owner/Manager*

*Diesel Mechanic*

*Master Auto Technician*

*Repair Service Estimator*

*Small Engine Repair*

*Automotive Parts Professional*

*Automotive Service Writer*

## **AUTOMOTIVE TECHNOLOGY 3 & 4 - (Transportation, Distribution & Logistics Pathways)**

11, 12

Credits: 2

1 Science - Conceptual Physics

1 Fine/Practical Arts or Elective

Location: Bollman



The Auto Technology program is National Automotive Technical Education Foundation (NATEF) certified in all eight areas. Instructors are Master ASE Certified. Auto Technology 3 & 4 students demonstrate a strong interest in the auto technology industry. This program is designed to provide a thorough knowledge of engine performance, advanced charging systems, advanced brakes, alignments, suspension, electrical system diagnostics, engine rebuilding, and emission testing. Students will have the opportunity to obtain student ASE certifications. It is expected that students will enroll in the AYES program.

### **Notes:**

- Students may have the opportunity to earn college credits.

### **Counseling Notes:**

1. Prerequisite: Completion of Automotive Technology 1 & 2
2. Students that complete this course are eligible to test for Automotive Service Excellence (ASE) certification.  
**This certification may be used to demonstrate competency for new graduation guidelines.**
3. Safety glasses, shop shirt, and appropriate shoes are required.
4. Course fee: \$40.00

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE AUTO TECHNOLOGY PATHWAY:**

*Auto Shop Owner/Manager*

*Auto or Diesel Mechanic*

*Master Auto Technician*

*Dealer Service Technician*

*Repair Service Estimator*

*Small Engine Repair*

*Automotive Parts Professional*

*Automotive Service Writer*

## **AUTOMOTIVE TECHNOLOGY INTERNSHIP - (Transportation, Distribution & Logistics Pathways)**

12

Credits: 3 Fine/Practical Arts or Elective

Location: Bollman

This course is designed to prepare students to enter the workforce through on-the-job training in the form of an internship. Students will have the opportunity to apply advanced automotive skills in supervised practical experience on the job to become effective automotive technicians.

### **Notes:**

- Subject to industry availability and teacher approval.

### **Counseling Notes:**

1. Prerequisite: Successful completion of Automotive Technology 3 & 4 and Instructor recommendation
2. Safety glasses, shop shirt or coveralls, and steel-toe shoes are required.
3. Students are required to provide transportation to the job site.
4. Students will have to complete an individual company's pre-hiring approval process.

## CONSTRUCTION, MECHANICAL, ELECTRICAL, AND PLUMBING 1 & 2 - (Architecture & Construction

### Pathways)

10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Washington Square



Principles of Construction, Mechanical, Electrical, and Plumbing prepares students for electrical, plumbing, and HVAC careers by introducing students to the physical principles of these systems and the fundamental skills needed to work with them. Upon completion of this course, proficient students will be able to follow safety procedures and use tools to perform basic operations with electrical circuits, as well as demonstrate understanding in fundamental concepts of electricity theory (i.e. Ohm's Law). Students will be able to apply proper tools and procedures to perform basic operations with plastic piping, including measuring, cutting, and joining. Furthermore, students will be able to apply mathematical concepts to solve HVAC, electrical, and plumbing problems.

### **Counseling notes:**

1. Students that complete this course are eligible to test for OSHA 10 and PACT HBI core certification. **These certifications may be used to demonstrate competency for new graduation guidelines.**
2. Course fee: \$20.00
3. Supplies include:
  - a. Safety-toed shoes/boots
  - b. Safety glasses
  - c. Basic hard hat for field trip and on-the-job exercises

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE CARPENTRY PATHWAYS:**

*Construction Management*

*Carpenter*

*Architect*

*Surveyor*

*Home Maintenance and Repair*

*Interior Designer*

*Building Inspector*

*Engineering*

*Electrician*

*Plumber*

*HVAC*

## CONSTRUCTION, MECHANICAL, ELECTRICAL, AND PLUMBING 3 & 4 - (Architecture & Construction

### Pathways)

11, 12

Credits: 2

1 Math - Math in Construction

1 Fine/Practical Arts or Elective

Location: Washington Square



Throughout the course, students will interpret construction drawings to complete projects and implement material estimating procedures and safe working practices. Standards in this course also expand on principles of the construction industry and project management strategies. Students will continue to learn practical applications of electrical theory and techniques used by licensed electricians, including exploration of OSHA's electrical safety-related work practices. Students will learn approaches to commercial building wiring in compliance with current National Electrical Code and local codes. Math concepts related to construction will be integrated throughout the course.

Students will acquire knowledge and skills in use of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices. Students will acquire knowledge and skills in plumbing codes, advanced plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural penetrations, roof drains, fixture installation, valves and faucets, and oxy-fuel safety. Students will also learn about setup, cutting, brazing, and welding water system sizing; gas, drain, waste and vent installation and testing; and water heater installation.

**Counseling notes:**

1. Prerequisite: Successful completion of Construction, Mechanical, Electrical, and Plumbing 1 & 2.
2. No math prerequisite for this course.
3. Students that complete this course are eligible to test for OSHA 10 and HBI certification. **These certifications may be used to demonstrate competency for new graduation guidelines.**
4. Course fee: \$40.00
5. Supplies include:
  - a. Safety toed shoes/boots
  - b. Safety glasses
  - c. Basic hard hat for field trip and on-the-job exercises

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE ADVANCED PRINCIPLES OF CONSTRUCTION, MECHANICAL, ELECTRICAL, AND PLUMBING PATHWAYS:**

<i>Construction Management</i>	<i>Carpenter</i>	<i>Architect</i>	<i>Surveyor</i>
<i>Home Maintenance and Repair</i>	<i>Interior Designer</i>	<i>Building Inspector</i>	<i>Engineering</i>
<i>Electrician</i>	<i>Plumber</i>	<i>HVAC</i>	<i>Refrigeration Technician</i>
<i>Building Maintenance Technician</i>	<i>Building Maintenance Supervisor</i>		

**CONSTRUCTION, MECHANICAL, ELECTRICAL, AND PLUMBING INTERNSHIP - (Architecture & Construction Pathways)**

12

Credits: 3 Fine/Practical Arts or Elective

Location: Washington Square



This course is designed to prepare students to enter the workforce through work-based learning in the form of an internship. Through supervised practical experiences, students will job shadow and work as an apprentice in industry trades including: carpentry, electrical, HVAC, and plumbing.

**Notes:**

- Subject to industry availability and instructor approval.

**Counseling notes:**

1. Prerequisite: Successful completion of Construction 3 & 4 and Instructor recommendation
2. Safety glasses, shop shirt, and steel-toe shoes are required.
3. Students are required to have transportation to the job site.
4. Students will have to complete an individual company's pre-hiring approval process.

**DIESEL AUTOMOTIVE TECHNOLOGY 1 & 2 - (Transportation, Distribution & Logistics Pathways)**

10, 11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Washington Square



This AED certified program is designed to train entry-level diesel technicians. Students are trained in shop safety, preventive maintenance, braking systems, suspension systems, engine theory, electrical and electronic theory, hydraulic theory, design and troubleshooting, powertrain theory, performance, operation and component rebuild. All courses will

follow ASE/AED standards. Students will be working on live units with real world problems to diagnose and repair to gain the hands-on experience they need to become successful Diesel technicians. Students will have the opportunity to obtain ASE, AED, Snap-on, and EPA certifications in the automotive field.

**Notes:**

- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Safety glasses, shop shirt, and steel-toed boots are required.
2. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE DIESEL TECHNOLOGY PATHWAY:**

*Auto Shop Owner/Manager      Diesel Technician      Master Auto Technician      Repair Service Estimator*

**DIESEL AUTOMOTIVE TECHNOLOGY 3 & 4 - (Transportation, Distribution & Logistics Pathways)**

11, 12

Credits: 2

1 Math - Math in Diesel

1 Fine/Practical Arts or Elective

Location: Washington Square



The Diesel Automotive Technology 3 & 4 course is designed to train diesel mechanics to enter the workforce at the apprentice level. Students will have the opportunity to obtain student ASE, Snap-on, and EPA certifications. **These certifications may be used to demonstrate competency for new graduation guidelines.** All courses will follow ASE standards. Students will be working on live units with real-world problems to diagnose/repair and to gain the hands-on experience they need to become successful technicians.

**Students are trained in:**

- Advanced Manual/Automatic Transmission
- Engine Repair and Rebuild
- Advanced Computer Diagnostic & Engine Performance – Gas and Diesel Engines
- Advanced Braking Systems
- Advanced Driveline Repair
- DOT Inspection Procedures
- HVAC
- Advanced Electrical Diagnostic & Repair
- Hydraulics
- Advanced Suspension & Repair

**Notes:**

- Students will have the opportunity to earn college credits.

**Counseling Notes:**

1. Prerequisite: Successful completion of Diesel 1 & 2
2. Safety glasses, shop shirt, and steel-toe shoes are required.
3. Course fee: \$40.00

**POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE DIESEL TECHNOLOGY PATHWAY:**

*Auto Shop Owner/Manager      Diesel Technician      Master Auto Technician      Repair Service Estimator*

## **DIESEL AUTOMOTIVE TECHNOLOGY INTERNSHIP - (Transportation, Distribution & Logistics Pathways)**

12

Credits: 3 Fine/Practical Arts or Elective

Location: Washington Square

This course is designed to prepare students to enter the workforce through on-the-job training in the form of an internship. Students will have the opportunity to learn advanced diesel skills in supervised practical experience on the job to become effective diesel technicians.

### **Notes:**

- Subject to industry availability and instructor approval.

### **Counseling Notes:**

1. Prerequisite: Successful completion of Diesel 3 & 4 and Instructor recommendation
2. Safety glasses, shop shirt, and steel-toe shoes are required.
3. Students are required to have transportation to the job site.
4. Students will have to complete an individual company's pre-hiring approval process.
5. Course fee: \$40.00

## **WELDING TECHNOLOGY 1 & 2 - (Manufacturing Pathway)**

11, 12

Credits: 2 Fine/Practical Arts or Elective

Location: Washington Square



This course will provide students with entry-level welding skills. The Welding Technology program provides training in welding safety, oxyacetylene welding and cutting, plasma arc cutting, brazing, soldering, stick welding (SMAW), TIG Welding, MIG welding (GMAW) and Flux-cored Arc Welding (FCAW). Students learn to read and make weld prints and sketches. Basic fabrication skills, including the safe use of shop tools, will be learned in conjunction with class projects and personal projects.

### **Notes:**

- Students will have the opportunity to earn college credits.

### **Counseling Notes:**

1. Students that successfully complete this course may be eligible to receive American Welding Society certification. **This certification may be used to demonstrate competency for new graduation guidelines.**
- 2.. Course fee: \$80.00
3. Supplies include:
  - a. Welding helmet
  - b. Safety glasses
  - c. Welding gloves
  - d. Welding jacket
  - e. Steel-toed boots

### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE WELDING PATHWAY:**

*Architect*

*Auto-Body Specialist*

*Engineer*

*Ironworker*

*Sheet-Metal Worker*

*Sculptor*

*Pipefitter*

*Machinist*

### **WELDING TECHNOLOGY 3 & 4 - (Manufacturing Pathway)**

12

Credits: 2

1 Math - Math in Welding

1 Fine/Practical Arts or Elective

Location: Washington Square



This course is for students who have demonstrated an interest in pursuing a career as a welder. This class will provide students with advanced instruction in Welding Technology including welding safety, oxyacetylene welding/cutting, plasma arc cutting, carbon arc cutting, exothermic cutting, stick welding (SMAW), flux-cored arc welding (FCAW), MIG welding (GMAW), and TIG welding (GTAW), and pipe welding. Students will continue to master skills in print reading and other technical information. Students successfully completing Welding Technology 3 & 4 may acquire an Entry-Level Welder's Certification from the American Welding Society.

#### **Notes:**

- Students will have the opportunity to earn college credits.

#### **Counseling Notes:**

1. Prerequisite: Successful completion of Welding 1 & 2
2. Students that complete this course may be eligible to receive American Welding Society certification. **This certification may be used to demonstrate competency for new graduation guidelines.**
3. Course fee: \$80.00
4. Supplies include:
  - a. Welding helmet
  - b. Safety glasses
  - c. Welding gloves
  - d. Welding jacket
  - e. Steel-toed boots

#### **POSSIBLE CAREER OPPORTUNITIES FOR STUDENTS IN THE WELDING PATHWAY:**

*Architect*

*Auto-Body Specialist*

*Engineer*

*Ironworker*

*Sheet-Metal Worker*

*Sculptor*

*Pipefitter*

*Machinist*

#### **U.S. Army**

#### **Junior Reserve Officers' Training Corps JROTC**

9, 10, 11, 12

Credit: 1 Fine/Practical Arts or Elective

Location: Northglenn High School



The Army Junior Reserve Officers' Training Corps (JROTC) is the Department of Defense's (DoD) most extensive youth program globally. The JROTC Program's mission philosophy is "To Motivate Young People to be Better Citizens," and it is a service to our nation that provides Cadets the motivation and skills to remain drug-free, graduate from high school, and become successful citizens. The program instills in students the values of citizenship, service to the community and the United States, personal responsibility, and a sense of accomplishment. While participation in

JROTC does not require a military service commitment, Junior ROTC Cadets may qualify for advanced placement in the Senior ROTC Program or the Active or Reserve Components of the Armed Forces. Cadets may be authorized the enlistment grade of Private First Class (PFC/E-3) if they have completed three or more years of JROTC with a recommendation from the Senior Army Instructor (SAI).

The Adams 12 Five Star School District's JROTC program is based at Northglenn High School (601 W 100th Pl, Northglenn, CO 80260). Any student that attends an Adams 12 High School is eligible to be enrolled in the JROTC courses.

Students who are interested in joining the JROTC program should enroll in the Leadership Education and Training Course (LET 1) and will travel to Northglenn High School to attend this course on a daily basis. Details on District provided transportation will be forthcoming.

If you have any questions, contact the Northglenn High School Counseling department at (720) 972-4600.

### **JROTC Course Descriptions**

#### **LET (Leadership Education Training) 1 - The Emerging Leader**

This is the first of four core courses in the Army Junior Reserve Officers' Training Corps (JROTC) high school program. This course supports 22 lessons designed for first-year Cadets. Because the central focus of the JROTC program is to help develop strong leaders and model citizens, first year Cadets are introduced to content that will help the inner leader begin to emerge. Knowledge, skills, and abilities acquired in this unit are: JROTC Foundations, Personal Growth and Behaviors, Team Building, Decision Making, Health and Fitness, Service Learning, and Cyber Ethics and Authentication.

#### **LET (Leadership Education Training) 2 - The Developing Leader**

The Developing Leader builds upon the mastery of LET 1 skills and abilities, providing Cadets with new and more challenging opportunities in leadership development. Knowledge, skills, and abilities covered in this course are: Leadership, Personal Growth and Behaviors, Team Building, First Aid, Decision Making, Health and Fitness, Service Learning, Citizenship and Government, and Identifying Security Threats.

#### **LET (Leadership Education Training) 3 - The Supervising Leader**

The Supervising Leader builds upon the mastery of LET 1 and 2 skills and abilities, providing Cadets with new and more challenging opportunities as a leader by overseeing planning, project implementation, and team personnel. Cadets at this level can acquire battalion staff positions and responsibilities and help integrate improvements in the local JROTC program and community. Knowledge, skills, and abilities covered in this course are: Leadership, Personal Growth and Behaviors, Team Building, Health and Fitness, Service Learning, Citizenship and Government and Social engineering.

#### **LET (Leadership Education Training) 4 - The Managing Leader**

The Managing Leader provides Cadets multiple opportunities to manage and lead in the battalion, in the school, and their respective communities. The LET 4 Cadet is ready to assume responsibilities and manage him or herself and others with whom they work or oversee as a Cadet manager. Knowledge, skills, and abilities covered in this course are: Leadership, Personal Growth and Behaviors, Team Building, Health and Fitness, Service Learning, Citizenship and Intro to Cybersecurity.

## **ACADEMIC COURSE OFFERINGS**

Students **must** be enrolled in a FutureForward career and technical program to be eligible for enrollment in FutureForward academic courses.

<i>English 11 – American Lit/Comp</i>	
<i>English 12 - Lit/Comp - (must also register for Introduction to Technical Writing - ENG 1031)</i>	<i>Technical Writing - ENG 1031 - (must complete/pass English 12) *FRCC Guaranteed Transfer Course)</i>
<i>College English 1021 – English Composition I - (must also register for English 1022) *FRCC Guaranteed Transfer Course</i>	<i>College English 1022 – English Composition II - (must complete/pass English 1021) *FRCC Guaranteed Transfer Course</i>

***FutureForward English courses meet district graduation requirements.  
Please consult with your counselor to verify which courses meet the NCAA Clearinghouse requirements before making final course selections.***

## **ENGLISH COURSES**

### **ENGLISH 11 (American Lit/Comp)**

11

Credit: 1 English

Students will understand the thematic progression of literature from the United States by studying literary texts across the 18th, 19th, and 20th centuries. They will analyze and explain authors' use of literary and figurative language techniques through argumentative writing, higher-level discussions, and oral presentations. Students will flexibly use technology for both research and the presentation of information, including that required for a long-term, in-depth project. They will assess the credibility and validity of sources to answer research questions and complete long-term works, as well as write narrative, problem-solution, comparative analysis, informative, and argumentative pieces.

#### ***Major units of study include:***

- Argument and Inquiry
- Thematic Development and Authorial Choices
- Rhetorical Analysis and Crafting Arguments
- Interpretation of Drama: Genre Study
- Informed Public Advocacy

#### **Counseling Notes:**

1. This course meets the district English graduation requirement

## **ENGLISH 12 (Lit/Comp) - (includes semester-long Technical Writing course - ENG 1031)**

12

Credit: 1 English

Students will engage in the study of literary movements to determine how various views affect the interpretation and understanding of literature and poetry. Students will participate in a large-scale independent inquiry project where they will research, develop, and refine a multi-faceted argumentative piece and presentation. In the Technical Writing course, students will develop rhetorical knowledge and focus on building their use of tone, format, and structure in a given writing situation, such as those that apply in the postsecondary world. Students in the course will develop their experiences as writers in at least one genre, and learn recursive strategies for generating ideas, revising, and editing, while using appropriate, credible sources and evidence in their discourse. Students will apply mechanics, syntax, style, vocabulary, and grammar appropriate to the writing task.

### ***Major units of study include:***

- Self-Directed Inquiry Project
- Narrative Thematic Development
- Initiating Inquiry
- Analysis and Argument
- Application and Presentation of Research

### **Counseling Notes:**

1. Registration in English 1031 is also required.
2. This course meets the district English graduation requirements.

## **COLLEGE ENGLISH 1021: Freshman Composition I**

12

Credit: 1 English



Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing. This is a statewide Guaranteed Transfer course in the GT-CO1 category.

### **Counseling Notes:**

2. Registration in English 1022 is also required.
2. This course meets the district English graduation requirements.

## **COLLEGE ENGLISH 1022: Freshman Composition II**

12

Credit: 1 English



Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, research strategies, and writing analytical, evaluative, and/or argumentative compositions. This is a statewide Guaranteed Transfer course in the GT-CO2 category.

### **Counseling Notes:**

1. Prerequisite: Successful completion of ENG 1021
2. This course meets the district English graduation requirements.

***Classes will only be offered if there is sufficient enrollment.***