

A.W. BEATTIE CAREER CENTER

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Credit Value: 3

Open to Grades: 10*, 11, 12

***10 – Cosmetology Only**

General Information

A.W. Beattie Career Center Programs are approved Programs of Study (POS) providing for seamless transition to post-secondary education through rigorous content aligned with challenging academic and relevant career context in a non-duplicative progression of courses aligned to post-secondary education. SOAR is a Pennsylvania program which allows CTE students to earn free college credit. Students earn free credits with a qualifying score from the NOCTI Senior year assessment and confirmation that they have completed the entire CTE program of study. To obtain these free credits, students must submit the proper paperwork to the college, as outlined below. This paperwork requires CTE administrative signatures for submittal.

To determine the free credits offered for Pennsylvania Career and Technical Educational Programs of Study (POS) visit the website <http://www.collegetransfer.net/>. After selecting your Program of Study and your high school graduation year, you can view all of the colleges offering free credits for your particular CTE program. Additionally, A.W. Beattie Career Center maintains many college credit articulation agreements with two and four year post-secondary institutions, please visit our website www.beattietech.com for additional information.

Students who attend A. W. Beattie may be eligible to earn math and/or science credits toward graduation requirements. Please see your Counselor for additional information.

A number of A. W. Beattie's programs require uniforms and equipment. The student and parents assume this cost. Therefore, students should obtain accurate cost information before enrolling for a course. Transportation is provided by the School District.

Applications to attend A.W. Beattie Career Center should be made during the second semester of 10th grade (or 9th grade students interested in Cosmetology) and will be carefully reviewed. Further information concerning the A. W. Beattie Career Center's program is available in the School Counseling Office.

Course Offerings —

- Advertising Design
- Automotive Collision Technology
- Automotive Technology
- Carpentry/Building Construction
- Computer Systems, Networks & Cyber Security
 - Network Engineering & Cyber Security
 - Computer Systems Technology
- Cosmetology (10th, 11th and 12th Grade)
- Culinary Arts
- Dental Careers
- Early Childhood Education
- Emergency Response Technology Networks
- Health and Nursing Sciences
- Heating, Ventilating and Air-Conditioning
- Pastry Arts
- Pharmacy Operations (12th Grade Only)
- Sports Medicine – Rehab Therapy and Exercise Sciences Technology
- Surgical Sciences
- Veterinary Sciences Technology

Course Offering Descriptions:

Advertising Design – The **Advertising Design** program at A. W. Beattie Career Center focuses on a wide variety of professional art-related fields, including Digital Graphic Design, Multimedia, Digital Photography, and Web Design. Students will train in a dual-platform (Mac and PC) environment using the latest in professional graphic design software and equipment, such as: Adobe Photoshop CS5.5, Adobe Illustrator CS5.5, Adobe Premier Pro, Adobe Dreamweaver CS5.5, and many others. Achieve advanced standing at local colleges or universities by utilizing college credits you can earn while you are an Advertising Design student working towards your Adobe Certified Associate Certificate in our customized designed studio.

Automotive Collision Technology – **Automotive Collision Technology** prepares students in all aspects of the industry including MIG welding, computerized paint mixing, and spraying techniques. Using the latest technology in our fully equipped auto shop keeps students up to date with current standards. The Automotive Collision Technology program utilizes the nationally recognized I-CAR curriculum. Students earn their SP/2 industry Safety Certification leading to enhanced employment opportunities. Cooperative education experiences in local area dealerships provide authentic educational experiences. The Automotive Collision Technology program is certified by NATEF (National Automotive Technicians Education Foundation) ensuring that the Career Center meets strict education and industry standards.

Automotive Technology - The NATEF (National Automotive Technicians Education Foundation) ensures the **Automotive Technology** program within A. W. Beattie Career Center meets strict standards, providing students with hands-on experience using up-to-date diagnostic equipment in our state-of-the-art auto shop. Automotive Technology is an AYES (Automotive Youth Education Systems) training facility. AYES provides students authentic experiences during their senior year, with on-site experiences in local area dealerships, allowing for those important career connections. NATEF and AYES certifications assure students the best training and preparation to complete their ASE (Automotive Service Excellence) certification in less time, upon graduation. Students will have the opportunity to earn their PA Safety and Emissions Inspection credentials prior to graduation.

Carpentry/Building Construction - The use of hand and power tools, blueprint reading, framing, finishing, roofing, drywall, and insulation are taught through hands-on experience in the **Carpentry/Building Construction** program. Students have the opportunity to learn skills in the carpentry, masonry, plumbing, and electrical fields. BAMP activities and competitions, as well as community projects challenge students during the year, preparing them for immediate employment. Students have the opportunity to experience live work by taking part in the ongoing project of building a modular home. Students will gain educational experiences with industrial rigging, scissor lift operations, and forklift training. Students will have the opportunity to earn their OSHA-10 Safety Certification and PA Builder's Certificate.

Computer System, Network Engineering and Cyber Security – In this integrated dual learning pathway students will have the opportunity to explore and develop their interest in two of the most sought-after skill sets in the computer field; **Network Engineering and Cyber Security and/or Computer Systems Technology**. Building, maintaining and troubleshooting computers and peripherals is part of the curriculum. Students will learn the basics of networking, build and create virtual servers, and they will also set up and maintain Internet client services. Students participate in the Cisco approved IT Essentials course through the Cisco Networking Academy. The curriculum builds upon itself to create a pathway for students to participate in the next step of the curriculum with Networking and Cyber Security. Students will be able to test for the CISCO Certified Networking Associates Certification.

Cosmetology - In **Cosmetology**, the Beattie Salon provides qualified Cosmetology students with the opportunity to use their energy, skills, and imagination on clients from the community, in a state-of-the-art Cosmetology Salon. Students will study care of hair, nails, and skin. They will learn the proper use of cosmetology tools and equipment, as well as techniques in hair cutting, styling, coloring, permanent waving, and relaxing, manicuring, pedicuring, and skin care. Students will also focus on professionalism and customer relations, while preparing to test for their Pennsylvania State Cosmetologist License.

Culinary Arts - The **Culinary Arts** Department has built a solid reputation as one of the finest programs throughout the State. The Beattie Dining Room, given a three-star rating by the Pittsburgh Press, serves breakfast and lunch to more than 150 people a day! Located in the Dining Room, the Bake Shop sells cookies, brownies, pies, cakes, and various pastries. Students learn all aspects of the restaurant business from meal planning, food preparation, baking and carving, top dining room management, and banquet serving. There are many job opportunities within the always growing Culinary Industry as well as scholarships for students provided by prestigious culinary colleges. Students practice their craft in a commercially equipped kitchen and bakery while earning their ServSafe Food Safety Certification.

Dental Careers - In **Dental Careers** students learn the necessary skills for employment in Dental Assisting, Lab Technician, Infections Control Assistant, and many more opportunities within the Dental Industry. Seniors participate in hands-on work experiences in dental offices learning and assisting in four-handed dentistry, chair-side assisting, administrative skills, and other techniques. Students will prepare to test for their PA Radiological Certification on the Career Centers state of the art Digital X-Ray System. Upon successful program completion and two years of employment, students will be eligible for their Dental Assisting National Board exam.

Early Childhood Education - Students enrolled in **Early Childhood Education program** experience the opportunity to apply their child development and teaching skills will engaged in a variety of settings. In addition to a variety of classroom activities, students learn the industry standards for hands-on activities with infants, toddlers, and preschool age children. Students participate in a college and career program of study in a variety of facilities, including the on-site accredited Kiddie Tech Early Learning Center, practicing and refining their creative teaching skills, as well as learning the basics in caring for and managing children. Students will participate in the Childhood Development Association (CDA) Ready Certification. Additionally, students will have the opportunity to be certified in First Aid and CPR as part of their classroom curriculum. Our ECE students are actively engaged with a number of community-based activities through the local libraries and Junior Achievement of Southwest Pennsylvania. The Early Childhood Education program is an excellent introduction to the post-secondary elementary education major.

Emergency Response Technology – The **ERT** course challenges students with exciting hands-on training in a fully equipped on-site lab, as well as field trips to the local Police and Fire Academies, throughout the school year. Students study several technical fields including police science, fire science, rescue operations, hazardous materials, and emergency medical services. Certification as an Emergency Medical Technician (EMT) at A. W. Beattie Career Center will prepare students for immediate employment in the growing Emergency Response Industry.

Health and Nursing Sciences – The **Health and Nursing Sciences** program will prepare students for the medical field that is rapidly growing and changing. There's never been a better time to pursue a career in the Health Industry. The core curriculum will prepare students for entry level positions, such as Medical Assisting, Nurse Assisting and Patient Care Technician. For those students that have an interest in becoming a Nurse, Radiology Technician, or related positions, this program will prepare them for post-secondary education. During the course of study, students may have the opportunity to gain valuable hands-on clinical experience in hospitals, nursing homes, physical therapy clinics, and private offices where they will practice and perfect their skills, preparing them for an exciting and rewarding career in healthcare. Certification as a Patient Care Technician is available to students who successful complete their clinical rotation and certification exam through A.W. Beattie or nurse aide certification is one post-secondary pathway with an industry partner facility. Students have an opportunity to participate in a dual enrollment opportunity through CCAC as part of this program for college credits.

Heating, Ventilating, and Air-Conditioning – In **HVAC**, students will master the necessary skills to become qualified technicians and mechanics within their field. Students learn heating installation and service, air-conditioning installation and service, plumbing, electrical wiring, refrigeration, and sheet metal fabrication. Students will put these skills into use when they participate in the plumbing, ventilating, and wiring of the Beattie modular home. They also test for their EPA certification and OSHA-10 Safety Certification at A. W. Beattie, helping to ensure immediate employment opportunities along with post-secondary opportunities. In addition, students may gain experience with industrial rigging, scissors lift operation, and forklift training.

Pastry Arts – The **Pastry Arts** course provides students with an opportunity to learn all functions of a commercial bakery while perfecting their creative pastry skills. Students keep the bakery cases, located in the Beattie Dining Room stocked full of cakes, cookies, pies, brownies, breakfast pastries, and a variety of specialty breads and rolls. Students receive quality training in our fully equipped Pastry Arts lab learning everything from baked goods preparation to merchandising, and dining room service. There are classroom demonstrations from industry professionals throughout the school year, as well as field trips to local bakeries and restaurants. Students will prepare special orders for holidays, weddings, and special events throughout the year. Students have the opportunity to earn their ServSafe Food Safety Certification.

Pharmacy Operations – Pharmacy Technicians and Pharmacists employment openings are projected to grow at a rate of twenty-five to thirty-two percent over the next ten years. Positions exist in the public and private sector making this exciting career a sound desirable career choice. Students will experience an interactive learning environment; experimenting on state-of-the-art equipment. Students will learn firsthand the skills needed to process patient medication orders. Students will be prepared to move into advanced post-secondary studies or test for entry level employment. The potential is endless in our ever-changing society.

Robotics Engineering Technology (RET) - The Robotics Engineering Technology (RET) program is designed to train students in skills related to the rapidly developing, innovative robotics and manufacturing industries. In RET, students integrate math and science concepts with cutting-edge technology in robotics and/or manufacturing. The RET curriculum has been developed in partnership with the Advanced Robotics for Manufacturing Institute based primarily at Carnegie Mellon University. Students selecting the RET program are typically preparing for a career in robotics, electronics, mechatronics, advanced manufacturing, or engineering. All students in the RET program study the core curriculum of electronics and robotics. Students also choose at least one specialty from among 3D modeling and design (for 3D printing and CNC machining), coding on platforms such as Arduino, Raspberry Pi, and LocoRobo, and Fanuc robotic arm operation. Individual projects assigned by the instructor or chosen by the student are encouraged. The FIRST Robotics Competition is part of the in-class robotics curriculum. Additionally, students interested in attending the competitions work in the evenings and weekends during the robot build season. RET students may earn up to 20 credits for use in post-secondary education in Robotics or Mechatronics Engineering at California University of Pennsylvania. Numerous other articulation agreements provide students with 4-14 credits at local colleges upon successful completion of the RET curriculum. Industry-related certifications are also available for students.

Sports Medicine – Rehab Therapy and Exercise Sciences Technology (SMART-EST) – The **SMART-EST** program is designed for students that are looking towards the fields of: physical therapy, occupational therapy, physical rehabilitation, exercise physiology, and sports medicine. Students will develop valuable skills in diagnosis, differential diagnosis, assessment and prevention, along with prognosis and the rehabilitation of bodily injuries and related health conditions. Students will learn the therapy and application principles of a patient care plan including assessment, evaluation, interventions of exercise, manual therapy, modalities and neuro re-education. Students will also develop goal setting and discharge plans for patients. Students will participate in nutrition understanding, as they learn how to develop proper diet plans for healthy individuals, and they will learn how to tailor diet plans for special populations. Career Pathways for SMART-EST are listed at www.beattitech.com.

Surgical Sciences – Surgical Sciences will introduce students to the operations of the Surgical Operating Room (OR). Students will experience and master the skills required to prep surgical instruments for patient care procedures. Students will learn medical terminology that will coordinate with post-secondary options and career employment. Students will learn in a simulated operating room environment where central sterile environment procedures will be practiced. Our students will interact with medical professionals that will enhance the daily learning environment. Surgical Science students will develop their communication, math, and medical dexterities to prepare them to become successful adults. Join us for a career pathway that has endless potentials.

Veterinary Sciences Technology – Students enrolled in the **Veterinary Sciences** program will experience a wide variety of care and management techniques throughout the program. Students will learn to maintain medical records, schedules, offer client education, explore authentic laboratory procedures, and assist with nursing and prepare for surgical duties; along with routine exams. Students will gain a solid foundation in the Veterinary Sciences program on which to build a post-secondary degree. Students will have the opportunity to earn the following recognized industry certifications: Purina Certified Weight Coach, Pet Tech First Aid and CPR.

Certifications:

Through strategic planning and partnerships with local employers, A.W. Beattie Career Center offers a variety of nationally recognized validated industry skills certifications. Senior students will participate in the annual National Occupational Competency Testing Institute exams (NOCTI).

Training related externships are required for all students wishing to earn a Performance Certificate with honors during their enrollment at A. W. Beattie Career Center. These related externship experiences can be paid or unpaid and fall into one of the following categories: Cooperative Education, Job Shadowing, Clinical Experiences or Internships and Volunteer opportunities.

Student Success Center services are open to all students. The Center is designed to facilitate the needs of students to help them reach their full potential. Facilitators provide support services through tutoring, study guides, test assistance, and curriculum modification. Facilitators and Instructional Assistants offer support in the classrooms and labs.

COLLEGE IN HIGH SCHOOL

Students may choose to participate in one of several College in High School courses. Students who elect this option will schedule one of the courses below, complete the required coursework and will be required to pay a fee in order to earn the college credit.

CARLOW UNIVERSITY

Honors Anatomy and Physiology
Honors Accounting 3
Honors Business & Management
Advanced Preschool Lab

CCAC

Business Management
Accounting

CCBC

Aviation

LAROCHE COLLEGE

Honors Microsoft Office Applications 3

UNIVERSITY OF PITTSBURGH

Honors Web Page Design
Business Calculus
AP Calculus AB
AP Calculus BC
Honors Computer Science (Python)
Honors Computer Science (JAVA)
Honors Probability & Statistics
AP Physics C
AP Biology

AP Chemistry
Sustainability
Introduction to World Politics
Honors French 4
Honors French 5
Honors Latin 4
Honors Latin 5
Honors Spanish 4
Honors Spanish 5

ESSENTIALS OF FIREFIGHTING @ Allegheny County Fire Academy Credit Value: .5
(0911)

Days per year: 14

Semester: Full Year

Prerequisites: None. Membership in Volunteer Fire Department strongly recommended.

Open to Grades: 10, 11, 12

In partnership with the Allegheny County Fire Academy, Essentials of Firefighting is offered to students interested in serving their communities within the volunteer fire service by learning entry level fire training, CPR, and first aid. While membership in a local volunteer fire company is highly recommended, it is not required.

Throughout the school year, students will be transported to the Allegheny County Fire Academy, located in North Park, and participate in classroom and hands-on course work to learn the knowledge and skills necessary to serve as an entry-level volunteer firefighter. Students have potential to earn industry-based credentials for completing Essentials of Firefighting Module 1, Module 2, Module 3, Haz-Mat, and CPR as well as scholarship opportunities through CCAC's FireVest program. Students enrolling in the program will maintain a typical high school schedule and be excused from Shaler Area High School on days the program is in session (12-14 days a year) throughout the school year.

EARLY RELEASE PROGRAM

2024-2025

Description:

Senior students interested in an early release program should meet and discuss their intentions with their assigned School Counselor.

Eligibility Requirements:

- Demonstrates personal maturity and responsibility.
- Earned the minimum of 19 credits before entering their senior year.
- Is on track or met all Pennsylvania state requirements with regards to Keystone Exams or Graduation Pathway.
- Applicants will be screened by school counselor and IEP team, if applicable.
- Students will be in regular attendance of school without truancy issues.
- Parental Consent must be granted.
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Program guidelines and expectations:

- Students may be dismissed from school at the end of 6th period, 7th period or 8th period dependent upon student plans, high school master schedule, and potential credit needs for graduation.
- Students released for work must provide proof of employment, maintain 20+ hours of work, and provide verification upon request.
- Students must be able to provide their own transportation and be eligible for parking permits.
- All students must vacate school grounds at the time of the scheduled early release.
- Students are expected to maintain their graduation status or return to a full day schedule at semester of senior year.
- This privilege may be revoked without warning if, in the judgment of the building administration, it is being used inappropriately or abused by the student.

**Attempts will be made to accommodate student schedules but should the scheduling of a required course conflict with the early dismissal time; students will be scheduled for a full day of courses.