

A. W. BEATTIE CAREER CENTER

A.M. Morning Session	No. 0505
P.M. Afternoon Session	No. 0605
Grades 10, 11, 12	Credit 3.0

General Information

A.W. Beattie Career Center offers students an opportunity to explore a vocational or technical education program and advanced career preparation during their tenth, eleventh and twelfth grade years.

Students attending Beattie are enrolled in the afternoon session and spend the remaining half day at NAI or NASH. Three credits are awarded each year to students successfully completing vocational coursework. Beattie credits and grades are included in the QPA and class rank.

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

Some Beattie 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 ninth or tenth grade and will be carefully reviewed for selection. Further information concerning the Beattie program is available in the Guidance Department.

Course Offerings

- *Advanced Computer Programming*
- *Advertising Design*
- *Auto Body Repair*
- *Automotive Technology*
- *Business and Information Technology*
- *Business and Retail Management*
- *Carpentry/Building Construction*
- *Computer System Technology*
- *Cosmetology*
- *Culinary Arts*
- *Dental Careers*
- *Early Childhood Education*
- *Emergency Response Technology*
- *Health Science Technology*
- *Heating, Ventilating and Air-Conditioning Technology*
- *Networking Engineering Technology*
- *Pastry Arts*
- *Robotics*
- *Mandarin Chinese*

Certification Information

A.W. BEATTIE CAREER CENTER

Course Offerings:

Advanced Computer Programming - A.W. Beattie Career Center is proud to be one of the few schools nationwide authorized to offer **Advanced Computer Programming**. Students learn the latest database and Internet technologies utilized by industry leaders to create a dynamic presence on the World Wide Web. Advanced Computer Programming students learn how to design and create Internet databases, develop programs in JAVA, and integrate databases into WebPages using SQL. Students also develop data modeling, project management, problem-solving, and communication skills. This direct partnership provides students with the necessary skills to jumpstart their career in the high paced world of Internet technology. Students pursuing post-secondary education will have acquired hands-on experience with the latest technologies, providing an expanded foundation for their continued education.

Advertising Design-Creative students interested in art, digital photography, advertising, display, and graphic design technology find artistic expression an integral part of the **Advertising Design** program. High-tech graphic design technology puts students on the cutting edge of the Commercial Art industry. Learn the basics in PowerPoint, Adobe Illustrator, Photoshop and Adobe Live Motion, as well as Quarkxpress and Dreamweaver. Students will be prepared to successfully communicate their creative ideas for business and industry. Get a head start on your future by doing college-level work in the Beattie classroom and apply those credits to LaRoche or any other participating college.

Auto Body Repair - **Auto Body Repair** trains 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. Cooperative education experiences in local area dealerships provide necessary hands-on training.

Automotive Technology - The NATEF (National Automotive Technicians Education Foundation) certified **Automotive Technology** program at 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. Students learn all aspects of the trade, as well as participating Automotive Technology is an AYES (Automotive Youth Education Systems) training facility, providing students during their senior year, with work experience 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.

Business and Information Technology - The **Business and Information Technology** program at Beattie opens the door to the high tech fields of computerized business applications and software development. Students gain expertise in business applications using Microsoft Office, Access, and Quicken. They create webpages using FrontPage, Dreamweaver, and HTML. Students write Internet applications using the latest programming languages and development tools. As a member of the Microsoft Academic Alliance, Beattie students have the opportunity to create applications in

Visual Basic.net, C++, and JAVA. Aspiring developers learn how to create dynamic webpages utilizing the latest database technology. In the Computer Technology program, students explore a wide range of applications and software, investigating and exploring the ever-changing world of information technology.

Business and Retail Management - Students enrolled in Beattie's **Business and Retail Management** program will gain the skills and knowledge needed to operate an independent or corporate based retail establishment. Areas of study include skills in computer fundamentals and the Microsoft Office Suite. After one year of study, students will have an opportunity to progress to a more intense Beattie program such as Oracle Internet Academy, Graphic Design, Computer/Network Engineering Technology, and Medical Office, or remain in the program to receive additional training in Business and Retail Management. Students will receive valuable practical experience by operating and managing the school store.

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.

Computer System Technology - In **Computer System Technology**, students maintain and operate the Beattie Broadcasting System, an in-house television network. Building, maintaining and troubleshooting computers and peripherals is part of the curriculum. Students will learn the basics of networking and will build Linux and Windows 2000 servers. They will also set up and maintain Internet services as well. Students participate in the Cisco approved IT Essentials course created by Hewlett Packard for the Cisco Networking Academy.

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, relaxing, manicuring, pedicuring, and skin care. Students will also focus on professionalism and customer relations, while preparing to test for their Pennsylvania State Cosmetology and Manicuring Licenses.

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.

Dental Careers - In **Dental Careers** students with 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.

Early Childhood Education - Students enrolled in **Early Childhood Education** experience the opportunity to apply their child development and teaching skills daily, working with children in the on-site Kiddie Tech Day Care Center. In addition to a variety of classroom activities, students learn the industry hands-on with infants, toddlers, and preschool age children. Students present a series of learning and development activities in the day care facility, practicing and refining their creative teaching skills, as well as learning the basics in caring for and managing children.

Emergency Response Technology - This 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. Training for the EMS certification at Beattie will prepare students for immediate employment in the growing Emergency Response industry.

Health Science Technology - This course will show students that today's medical field 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 and Nurse Assisting. For those students that have an interest in becoming a Nurse, Radiology Technician, or Physical Therapy Assistant, this program will prepare them for post-secondary education. During the course of study, students will 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.

Heating, Ventilating and Air-Conditioning - This is a course that trains students with the necessary skills to become qualified technicians and mechanics. 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 at Beattie, helping to ensure immediate employment opportunities.

Networking Engineering Technology - Are you interested in knowing how the Internet works, building things, and working with computers? Are you familiar with the components and software aspects of a computer and interested in pursuing a career in computers? Then you may be a potential candidate for the **Networking Engineering Technology** at the A.W. Beattie Career

Center. Students will construct various types of network cables, install network cards and drivers, set up peer-to-peer networks, and create network neighborhoods for several host computers. Lab exercises include setting up and troubleshooting Netscape and Internet Explorer, as well as participating in online curriculum. Each semester, students completing the two-year program will be eligible to test for the Cisco Certified Networking Associates Certification. Students with CCNA certification receive preference when seeking employment.

Pastry Arts - This 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.

Robotics - Students interested in the most recent, innovative technology have a unique opportunity for training in the cutting-edge **Robotics** industry. Through a partnership with The Technology Collaborative and California University of Pennsylvania, along with guidance and support from Carnegie Mellon University, students will study Robotics using curriculum developed through the National Robotics Education Center. They will move through a series of introductory activities into more advanced design and control challenges, using the same state-of-the-art equipment as California University. Students will study robotics technology case studies and participate in hands-on lab experiences. They can earn up to 15 credits at Beattie for use in continuing their education at California University. Because the application of robotics systems is beneficial to many industries, there are numerous employment opportunities for robotics technicians in the Pittsburgh area, as well as nationally.

Mandarin Chinese - Through the use of innovative video conferencing technology, students across the region may participate in several levels of **Mandarin Chinese** content instruction. The goal of the program is to raise awareness of and interest in the Chinese language and culture. In addition to building a meaningful vocabulary, students will learn concepts related to sentence structure, pronunciation, and writing. Language proficiency consists of four aspects: language skills, language knowledge, attitude and strategy, and cultural framework. The A.W. Beattie Career Center works closely with the Confucius Institute and the Asian Studies Center at the University of Pittsburgh to offer this program. (Available to students in grades 9, 10, 11, and 12.)

Certifications:

Through strategic planning and partnerships with local employers, A.W. Beattie Career Center offers several nationally recognized validated skills certifications.

Training related work experience is required for all students working to earn a Performance Certificate during their enrollment at Beattie. These related work experiences can be paid or unpaid and fall into one of the following categories: cooperative education, job shadowing, clinical experiences or internships, volunteer work, and career related employment.

Learning 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, flash cards, test assistance, and curriculum modification. Facilitators and Instruction Assistants offer support in the classrooms and labs.

Contact - A.W. Beattie Career Center for more information.

A.W. Beattie Career Center

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