



ANDERSON FIVE CAREER CAMPUS

Serving TL Hanna and Westside High Schools
 1225 South McDuffie Street ♦ Anderson, SC 29624
www.anderson5.net/Domain/24 ♦ 864.260.5160

The following programs are offered at Anderson Five Career Campus. According to Board Policy, courses with low enrollment may be canceled. If a program is canceled or too many students enroll in a class, students may be placed in one of their other choices. Bus transportation is provided for all students.

Programs	Clusters	Majors
Academy of Finance	Finance	Academy of Finance
Accounting	Finance	Accounting
Automotive Technology	Transportation, Distribution and Logistics	Automotive Technology
Business Information Management	Business Management and Administration	Business Information Management
Cosmetology	Human Services	Cosmetology
Culinary Arts	Hospitality and Tourism	Culinary Arts, Hospitality Management
General Management	Business Management and Administration	General Management
Health Science	Health Science	Health Science
Hospitality & Tourism Management	Hospitality and Tourism	Culinary Arts, Hospitality Management
Law Enforcement	Law, Public Safety, Corrections & Security	Law Enforcement
Machine Technology	Manufacturing	Machine Technology
Marketing	Marketing	Marketing Communications
Mechatronics	Manufacturing	Mechatronics
Plant, Animal and Wildlife Sciences	Agricultural, Food and Natural Resources	Agriculture
*PLTW BioMedical Science	Science, Tech., Engineering & Mathematics	Biomedical Science
*PLTW Engineering	Science, Tech., Engineering & Mathematics	Engineering
Web Page Design & Development	Information Technology	Web Page Design & Development
*Honors Credit		

STATEMENT OF NONDISCRIMINATION: In accordance with federal law this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age or disability.

Courses Listed Alphabetically:

ACADEMY OF FINANCE

The National Academy Foundation's (NAF) Academies of Finance connect high school students with the world of financial services, offering a curriculum that covers entrepreneurship, banking and credit, financial planning, international finance, securities, insurance, accounting, and economics, among other topics.

The AOF curriculum is vetted by partners working in the financial services and business sectors, and emphasizes literacy and project-based learning to engage students.

- Courses:**
- Accounting 1**
 - Accounting 2**
 - Entrepreneurship**
 - Personal Finance**

ACCOUNTING

People who enter the pathway of Accounting are process-oriented. They like to see numbers add up and enjoy problem solving as a result. Everyone in this pathway enjoys math and most likely is skilled with computers and accounting software as well. These people make sure businesses manage their cash so that people get paid. Most of these types of careers focus on recording, classifying, summarizing, analyzing, and communicating a business's financial information/business transactions for us in management decision-making.

- Courses:**
- Accounting 1**
 - Accounting 2**
 - Business Principles and Management**
 - Entrepreneurship**
 - Financial Services**
 - Personal Finance**
 - Professional and Leadership Development**

AUTOMOTIVE TECHNOLOGY

The Automotive Technology program is a task-based training facility with a state-of-the-art support lab, computer training lab and engine training lab. Students will use the main support lab to learn vehicle maintenance and repair techniques using equipment such as the Snap-on MODIS Diagnostic Scanner, Hunter Four-Wheel Alignment System, and much more. The majority of the student's time will consist of practical hands-on application through the NATEF (National Automotive Technicians Education Foundation) curriculum on live vehicles or trainers.

Courses: **Automotive Technology 1**
 Automotive Technology 2
 Automotive Technology 3
 Automotive Technology 4

BUSINESS INFORMATION MANAGEMENT

Those who work in information management careers provide a bridge between business initiatives and IT goals to help align businesses with the massive amounts of data available today. They are generally good at working with specialized software and techniques to gather, analyze, and store information so that it can be easily retrieved and used to make business decisions. They would also have interest in visual appeal and an appreciation for creativity.

Courses: **Image Editing 1**
 Desktop Publishing
 Foundations of Animation
 Game Design & Development
 Web Page Design & Development

COSMETOLOGY

Cosmetology is designed to prepare students to qualify for the state board licensing examination upon completion of the program. Students receive training in the care of hair, skin, and nails. The course study includes scalp treatment, hair shaping, hair styling, setting, permanent waving, tinting, coloring, and chemical relaxers. Care of skin and nails includes manicures and pedicure, massages, facials, applying makeup and hair removal. Also included in the course of study is salon planning and management.

Courses: **Cosmetology 1**
 Cosmetology 2
 Cosmetology 3
 Cosmetology 4

CULINARY ARTS

Culinary Arts is a challenging course offering training in all aspects of food preparation and service. The introductory program covers kitchen orientation, safety and sanitation, as well as basic kitchen technique and food preparation. The junior and senior classes incorporate the ProStart curriculum. Students will become proficient in knife skills, food safety, kitchen essentials, recipe adjustment, purchasing, food costing, menu planning, preparation and service, basic nutrition, garnishing techniques, and cake decorating skills. Opportunities to compete in culinary and restaurant management competitions are also available. Students may also earn the ProStart Certificate of **Achievement and/or national ServSafe certifications.**

Courses: **Intro Culinary Arts**
 Culinary Arts 1
 Culinary Arts 2

GENERAL MANAGEMENT

General Managers are leaders of the business world. They are responsible for the ultimate success or failure of their organizations. Those who enter the general management field have to be able to work with their employees to set goals and implement plans to achieve them. These types of careers focus on planning, organizing, directing, and evaluating all or part of a business organization through the allocation and use of financial, human, and material resources.

Courses: **Accounting 1**
 Accounting 2
 Entrepreneurship
 Business Principles and Management
 Global Business
 Integrated Business Applications 1
 Marketing
 Professional and Leadership Development

HEALTH SCIENCE

Health Science provides the student with knowledge and training in medical terminology, first aid, anatomy, physiology, and other subjects that are common in all health careers. During the senior year, students will participate in a clinical study which enables the student to intern in a health related field or complete the CNA Clinical Course. Health Science 3 includes a focus on all the human body systems and how they work (anatomy and physiology). Medical Terminology is incorporated throughout this class. Graduates of this program may enter the job market or pursue a health/medical degree at a two- or four-year college or university.

Courses: **Intro to Health Science**
 Health Science 1
 Health Science 2
 Health Science 3
 CNA (Certified Nursing Assistant) Clinical
 Health Science Clinical

LAW ENFORCEMENT

Law Enforcement is designed for students who are interested in law enforcement as a career or in one of the many related fields to include juvenile justice, probation and parole, corrections, forensics, federal law enforcement and military police. The sophomore class will be introduced to several "hands on" practical skills such as handcuffing, baton tactics, finger printing and latent print development. Juniors will concentrate on patrol tactics, criminal law, court procedure and constitutional law. Seniors will concentrate on advanced patrol, criminal investigations, forensics and dispatching.

Courses: **Intro Law Enforcement**
 Law Enforcement 1
 Law Enforcement 2

MARKETING

The Marketing program prepares students for college and high demand business and marketing careers. Students learn how to promote products, services, and ideas using various forms of digital advertising: television, radio, internet, social media, mobile, and more. They gain the skills and knowledge needed to start their own business. Sophomores explore the field of digital multimedia and develop technical skills through hands-on projects involving audio, video, graphics, animation, game design, and web development. Juniors explore traditional marketing and video marketing as they learn to develop compelling visual marketing messages in the form of Web-based videos, blogs, webcasts, print ads, press releases, and more. Seniors explore social media platforms such as Facebook, Twitter, YouTube, and Flickr as they create a social media plan for a business. Seniors also learn to design professional websites using HTML, Dreamweaver, and related software. Career opportunities in this field include Marketing Manager, Web Marketing Specialist, Social Media Manager, Public Relations Specialist, Community Manager, Media Buyer, and Entrepreneur.

Courses: **Marketing**
 Advertising or Digital Media Marketing
 Digital Desktop Publishing
 Digital Multimedia
 Entrepreneurship
 Image Editing 1 and 2
 Integrated Business Applications 1
 Professional and Leadership Development
 Sports and Entertainment Marketing

MACHINE TECHNOLOGY

Machine Technology is an introduction to machining and how it has evolved to present day. It includes learning shop safety practices while working in a machine shop environment. Students will become competent in measurements and using precision measuring tools. They will: 1) understand how to read drawings, tolerances, and material specifications; 2) demonstrate the proper use of hand tools and power tools along with personal protective equipment; 3) apply technical knowledge and skills to fabricate and modify metal parts in support of other manufacturing, repair, or design activities, or as an independent business.

Courses: **Machine Technology 1**
 Machine Technology 2
 Machine Technology 3

MECHATRONICS (DUAL CREDIT)

This two-year program offers dual credit through Tri County Technical College. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. If you like to work with highly automated equipment, computers, hydraulics and pneumatics, and if you like to see what things are made of and how they work using both your mind and your hands, you will enjoy this program. Mechatronics is a new interdisciplinary field involving mechanical systems, instrumentation, electronics, robotics, automation, computers and control systems. Systems are networked together to meet the demands of highly automated manufacturing processes. Mechatronics technicians are trained to master the skills necessary to install, maintain and repair this sophisticated equipment. Industry depends on well-trained electromechanical technicians to keep production machinery operating. Students learn skills to diagnose, repair, install, and service electrical, hydraulic, pneumatic, and electromechanical systems. Students may continue their education at TCTC after their senior year and receive an associate (two-year) degree in Mechatronics in one year.

Courses:
Mechatronics 1
Mechatronics 2
Mechatronics 3
Mechatronics 4

PLANT, ANIMAL AND WILDLIFE SCIENCES

Plant, Animal and Wildlife Science is designed to prepare students for entry-level positions in the many aspects of plants, animal science, wildlife, forestry, and turf/lawn/golf course management. Graduates of the program may also pursue a college degree in a related area at a two- or four-year college. Typical learning activities include growing, establishing and maintaining nursery plants, greenhouse crops, and turf grass; managing ornamental horticulture enterprises; designing landscapes; and studying golf course management. Students will be introduced to small animal care which would be very beneficial for those planning a career in veterinary science. Students will learn about the conservation of natural resources related to plants and wildlife including biotechnology. Students will also assess environmental factors affecting forest establishment and growth. Participation in personal and community leadership and FFA activities is an integral part of this program.

Courses:
Animal Science
Wildlife Science
Agricultural Mechanization
Agricultural Science
Horticulture

PROJECT LEAD THE WAY: BIOMEDICAL SCIENCE (HONORS CREDIT)

Biomedical Sciences program is a **Project Lead The Way** curriculum designed to provide rigorous and relevant curriculum that is project and problem based in order to engage and prepare high school students for the post-secondary education and training necessary for success in the wide variety of careers associated with the Biomedical Sciences. The **Principles of Biomedical Science** involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. **Human Body Systems** class will engage the students in the study of basic human physiology. **Medical Interventions** Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. **Biomedical Innovation** class is a capstone course that gives student teams the opportunity to work with a mentor, identify a science research topic, conduct research, write a scientific paper, and defend team conclusions and recommendations to a panel of outside reviewers. **Students may receive college credit each year by passing a national exam.**

Courses:
Principles of Biomedical Science
Human Body Systems
Medical Intervention
Biomedical Innovation

PROJECT LEAD THE WAY: ENGINEERING (HONORS CREDIT)

The nationally recognized program, **Project Lead The Way**, has developed a sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. This is a program that will help students understand the field of engineering/engineering technology. Students use 3-D computer modeling software and explore various technology systems and manufacturing processes to learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The program also includes concerns about social and political consequences of technological change. This program is highly recommended for those students planning to major in engineering. **Students receive computer science credit for these classes. Students may receive college credit each year by passing a national exam.**

Courses:

- Introduction to Engineering**
- Principles of Engineering**
- Digital Electronics**
- Aerospace Engineering**
- Biological Engineering**
- Civil Engineering & Architecture**
- Computer Integrated Manufacturing**
- Computer Science Engineering**
- Engineering Design & Development**

WEB PAGE DESIGN & DEVELOPMENT

Careers in Web and Digital Communications involve creating, designing, and producing interactive multimedia products and services, including development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications, and marketing. Individuals use a variety of media (sound, graphics, animation, and video) to communicate to their audience.

Courses:

- Web Page Design Development 1**
- Web Page Design Development 2**
- Digital Desktop Publishing**
- Digital Input Technologies**
- Digital Multimedia**
- Entrepreneurship**
- Foundations of Animation**
- Google Applications**
- Image Editing 1 & 2**
- Integrated Business Applications 1**
- Professional and Leadership Development**