

Arts, Media and Communication

Title: Graphic Communications 1A

Unit Credit: 2

Prerequisite: Basic math skills and reading comprehension

Suggested Grade Level: 10-12

Course Number: 620006TD/GRAPH1A

Title: Graphic Communications 1B

Unit Credit: 2

Prerequisite: Graphic Communications 1A

Suggested Grade Level: 10-12

Course Number: 620018TD/GRAPH1B

Title: Graphic Communications 2A

Unit Credit: 2

Prerequisite: Graphic Communications 1B

Suggested Grade Level: 11-12

Course Number: 620130TD/GRAPH2A

The Graphic Communications program is designed to prepare students to perform graphic communications tasks under supervision. A Graphic Communications student receives instruction in layout and design, electronic imaging, reproduction photography, image assembly and platemaking, offset press operation, finishing and bindery, and employability skills. *This course may meet the computer science requirement.*

Business and Marketing Cluster

Title: Advertising
Unit Credit: 2
Prerequisite: None
Suggested Grade Level: 10-12
Course Number: 547006TD/ADVER

This course is designed for students interested in obtaining information about all aspects of advertising. Students will study theory and create actual advertisements and displays for various media.

Title: Computer Technology 1A (dual credit)
Unit Credit: 2
Prerequisite: Keyboarding and Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 502008DD/DCT1A

Title: Computer Technology 1B (dual credit)
Unit Credit: 2
Prerequisite: Computer Tech 1A (dual credit)
Suggested Grade Level: 11-12
Course Number: 502020DD/DCT1B

Computer Technology keeps up with the latest changes in computers and software as found in the academic and business community. Both courses offer all qualified students the opportunity to build a bridge to their economic future at designated Microsoft Training Site while earning college credit at Greenville Technical College tuition free and an extra .5 quality point for their high school transcript. Designed for all college bound students, this intensive 2-block class emphasizes major microcomputer applications: word processing, database management, electronic spreadsheets, business graphics, desktop publishing, and electronic communication. *This course may meet the computer science requirement.*

Title: International Business & Marketing
Unit Credit: 2
Prerequisite: Keyboarding
Suggested Grade Level: 10-12
Course Number: 503206TD/INTLBUS

This course is designed to provide students with the knowledge and skills needed for entry-level international business operations as well as an understanding of the economic and cultural concepts of domestic and international business.

Title: Marketing in Today's Economy
Unit Credit: 2
Prerequisite: Keyboarding
Suggested Grade Level: 10-12
Course Number: 542106TD/MKTG

This course introduces marketing concepts, examines economic and marketing and business fundamentals, and overviews the marketing functions of selling, promotion and distribution. Some human resource fundamentals are included. The competencies listed are core competencies for Marketing. This is the basic Marketing course and should be taken before the specialized courses.

Title: Multimedia 1A (dual credit)
(Multimedia/Web Publishing 1A dual credit)
Unit Credit: 2
Prerequisite: Web Page Design 1B (dual credit)
Suggested Grade Level: 11-12
Course Number: 503008DD/DWEB1A

This course is designed to provide the student with the knowledge and skills needed for entry-level positions in multimedia and web publishing. Multimedia combines computer-based text, graphics, audio, and video within and interactive environment. *The course may meet the computer science requirement.*

Title: Multimedia 1B (dual credit)
(Multimedia/Web Publishing 1B dual credit)
Unit Credit: 2
Prerequisite: Multimedia 1A (dual credit)
Suggested Grade Level: 11-12
Course Number: 503020DD/DWEB1B

This course is a continuation of the skills and knowledge acquired in Multimedia 1A. *The course may meet the computer science requirement.*

Title: Networking 1A (CISCO)
Unit Credit: 2
Prerequisite: Keyboarding/Geometry
Suggested Grade Level: 11-12
Course Number:531006TD/CNETWK1A

Title: Networking 1B (CISCO)
Unit Credit: 2
Prerequisite: Networking 1A
Suggested Grade Level: 12
Course Number:531018TD/CNETWK1B

Networking is designed to provide students with classroom and laboratory experience in current and emerging networking technologies. Upon successful completion of these courses, students will be able to seek employment or further their education and training in the information technology field. *This course may meet the computer science requirement.*

Title: Networking 1A (dual credit)

Unit Credit: 2

Prerequisite: Keyboarding and
Algebra 1 or Math Tech 2

Suggested Grade Level: 11-12

Course Number:531008DD/DNETWK1A

Title: Networking 1B (dual credit)

Unit Credit: 2

Prerequisite: Networking 1A (dual credit)

Suggested Grade Level: 11-12

Course Number:531020DD/DNETWK1B

Computer Networking and Systems Management is designed to assist students with becoming proficient in the use of all components of Microsoft Office, use of the internet, e-mail applications and computer graphics and animation. In additions, part of the curriculum will include networking, network management, cabling requirements and basic electronic principles. Students will be given an opportunity to learn basic computer repair and basic networking requirements with hands-on applications. These courses are dual credit courses with Greenville Technical College. *This course may meet the computer science requirement.*

Title: Paralegal

Unit Credit: 2

Prerequisite: Keyboarding

Suggested Grade Level: 10-12

Course Number: 549806TD/PARALEG

This course will begin to prepare the student for a profession as a paralegal. Emphasis will be placed on how law offices are organized and managed, the legal system, contracts, torts, criminal and civil law, fact investigation, legal analysis, ethics, and the litigation process. The internet will also be taught as it relates to the business setting. Career planning and etiquette will also be covered.

Title: Web Page Design and Development 1A (dual credit)
(Multimedia/Web Publishing 2A dual credit)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Computer Tech 1A (dual credit) **Course Number:** 503132DD/DWEB2A

Web Page Design and Development is a dual credit course with Greenville Technical College. The course of study introduces the history of the internet, the concepts of the internet and electronic mailing, and the introduction of HTML and web page construction. Students will also gain skills in designing, implementing and maintaining an internet site using a mid-level authoring tool (FrontPage 2000). *This course may meet the computer science requirement.*

Title: Web Page Design and Development 1B (dual credit)
(Multimedia/Web Publishing 2B dual credit)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Web Page Design 1A(dual credit) **Course Number:** 503144DD/DWEB2B

Web Page Design and Development 1B is a continuation of the skills learned in Web Page Design and Development 1A. *This course may meet the computer science requirement.*

Construction Industry Cluster

Title: Building Construction Cluster 1A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 606008DD/DBLGCL1A

Title: Building Construction Cluster 1B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Building Construction Cluster 1A **Course Number:** 606020DD/DBLGCL1B

Title: Building Construction Cluster 2A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Building Construction Cluster 1B **Course Number:** 606132DD/DBLGCL2A

Title: Building Construction Cluster 2B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Building Construction Cluster 2A **Course Number:** 606144DD/DBLGCL2B

The Building Construction Cluster program is designed to prepare students to perform entry level building construction tasks under the supervision of a supervisor or an experienced craftsman. Included in the course of study are instructions related to cabinetmaking, carpentry, masonry, plumbing, residential electricity, and safety practices. This program of study is designed to prepare the student for a wide variety of occupational opportunities.

Title: Career Exploratory Cluster
Unit Credit: 2 **Suggested Grade Level:** 9-12
Prerequisite: N/A **Course Number:** 629806TD/CAREXP

The students will be exposed to the different areas of the career center. The students will spend time in each of the selected career areas. Projects and class assignments will afford the student a more comprehensive view of the available courses. Guest speakers and field trips are an integral portion of the course. Career assessment will be a major focus.

Title: Career Exploratory Cluster 2
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Career Exploratory Cluster 1 **Course Number:** 629818TD/CAREXP2

The students will be exposed to the different areas of the career center. The students will spend time in each of the selected career areas. Projects and class assignments will afford the student a more comprehensive view of the available courses. Guest speakers and field trips are an integral portion of the course. Career assessment will be a major focus.

Title: Carpentry 1A
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 609106TD/CARP1A

Title: Carpentry 1B
Unit Credit: 2
Prerequisite: Carpentry 1A
Suggested Grade Level: 10-12
Course Number: 609118TD/CARP1B

Title: Carpentry 2A
Unit Credit: 2
Prerequisite: Carpentry 1B or
 Bldg. Construction Cluster 1B
Suggested Grade Level: 11-12
Course Number: 609230TD/CARP2A

Title: Carpentry 2B
Unit Credit: 2
Prerequisite: Carpentry 2A
Suggested Grade Level: 11-12
Course Number: 609242TD/CARP2B

The Carpentry program is designed to prepare students to perform entry-level carpentry tasks under the supervision of an experienced carpenter. Carpentry students receive instruction in framing, construction material, blueprint reading, and safety. Also included is instruction in site preparation, using power and hand tools, and applied mathematics.

Title: Carpentry 1A (dual credit)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 609108DD/DCARP1A

Title: Carpentry 1B (dual credit)
Unit Credit: 2
Prerequisite: Carpentry 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 609120DD/DCARP1B

Title: Carpentry 2A (dual credit)
Unit Credit: 2
Prerequisite: Carpentry 1B (dual credit) or
 Bldg. Construction Cluster 1B
Suggested Grade Level: 11-12
Course Number: 609232DD/DCARP2A

Title: Carpentry 2B (dual credit)
Unit Credit: 2
Prerequisite: Carpentry 2A (dual credit)
Suggested Grade Level: 11-12
Course Number: 609244DD/DCARP2B

The Carpentry program is designed to prepare students to perform entry-level carpentry tasks under the supervision of an experienced carpenter. Carpentry students receive instruction in framing, construction material, blueprint reading, and safety. Also included is instruction in site preparation, using power and hand tools, and applied mathematics. These Carpentry courses are dual credit courses with Greenville Technical College.

Engineering and Manufacturing Cluster

Title: Aircraft Maintenance 1A (dual credit)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 11-12
Course Number: 619808DD/DAIR1A

Title: Aircraft Maintenance 1B (dual credit)
Unit Credit: 2
Prerequisite: Aircraft Maintenance 1A (dual credit)
Suggested Grade Level: 11-12
Course Number: 619820DD/DAIR1B

Title: Aircraft Maintenance 2A (dual credit)
Unit Credit: 2
Prerequisite: Aircraft Maintenance 1B (dual credit)
Suggested Grade Level: 12
Course Number: 619832DD/DAIR2A

Title: Aircraft Maintenance 2B (dual credit)
Unit Credit: 2
Prerequisite: Aircraft Maintenance 2A (dual credit)
Suggested Grade Level: 12
Course Number: 619844DD/DAIR2B

In these courses all students gain the knowledge and experience necessary to make structural repairs to aircraft skins and frame. The student will learn to identify sheet metal materials and hardware, operate sheet metal tools and equipment, and layout and bend typical sheet metal parts. Students will also be able to install and remove conventional rivets, blind fasteners, and special fasteners such as Dzus, Airlocs, and Camlocs. In addition, students will be able to use manufacturer's drawings or blueprints to build parts, show how to locate manufacturer's technical data to classify and get approval for repairs, and repair skins, structural and metal stringer damage. These courses are dual credit courses with Greenville Technical College.

Title: Automotive Collision Repair Technology 1A
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 602006TD/AUTCOL1A

Title: Automotive Collision Repair Technology 1B
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Auto Collision Repair Tech 1A **Course Number:** 602018TD/AUTCOL1B

Title: Automotive Collision Repair Technology 2A
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Auto Collision Repair Tech 1B **Course Number:** 602130TD/AUTCOL2A

Title: Automotive Collision Repair Technology 2B
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Auto Collision Repair Tech 2A **Course Number:** 602142TD/AUTCOL2B

The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles under the supervision of an experienced automotive collision repair technician. Automotive collision repair technology students receive instruction in frame alignment, surface finishing, and shop management.

Title: Automotive Collision Repair Technology 1A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:**602008DD/DAUTCO1A

Title: Automotive Collision Repair Technology 1B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Auto Coll Repair Tech 1A (dual credit) **Course Number:**602020DD/DAUTCO1B

Title: Automotive Collision Repair Technology 2A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Auto Coll Repair Tech 1B (dual credit) **Course Number:**602132DD/DAUTCO2A

Title: Automotive Collision Repair Technology 2B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Auto Coll Repair Tech 2A (dual credit) **Course Number:**602144DD/DAUTCO2B

The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles under the supervision of an experienced automotive collision repair technician. Automotive collision repair technology students receive instruction in frame alignment, surface finishing, and shop management. These courses carry dual credit with Greenville Technical College.

Title: Automotive Technology 1A
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 603006TD/AUTTEC1A

Title: Automotive Technology 1B
Unit Credit: 2
Prerequisite: Automotive Technology 1A
Suggested Grade Level: 10-12
Course Number: 603018TD/AUTTEC1B

Title: Automotive Technology 2A
Unit Credit: 2
Prerequisite: Automotive Technology 1B
Suggested Grade Level: 11-12
Course Number: 603130TD/AUTTEC2A

Title: Automotive Technology 2B
Unit Credit: 2
Prerequisite: Automotive Technology 2A
Suggested Grade Level: 11-12
Course Number: 603142TD/AUTTEC2B

The Automotive Technology program is designed to prepare students to perform routine maintenance and service on all types of automobiles under the supervision of an experienced automotive technician. Automotive technology students receive instruction in safety, troubleshooting, and repair of engines and electrical systems as a foundation. Special emphasis is given to the established competencies based on the ASE/NATEF task list.

Title: Automotive Technology 1A (dual credit)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 603008DD/DAUTEC1A

Title: Automotive Technology 1B (dual credit)
Unit Credit: 2
Prerequisite: Automotive Tech 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 603020DD/DAUTEC1B

Title: Automotive Technology 2A (dual credit)
Unit Credit: 2
Prerequisite: Automotive Tech 1B (dual credit)
Suggested Grade Level: 10-12
Course Number: 603132DD/DAUTEC2A

Title: Automotive Technology 2B (dual credit)
Unit Credit: 2
Prerequisite: Automotive Tech 2A (dual credit)
Suggested Grade Level: 10-12
Course Number: 603144DD/DAUTEC2B

The Automotive Technology program is designed to prepare students to perform routine maintenance and service on all types of automobiles under the supervision of an experienced automotive technician. Automotive technology students receive instruction in safety, troubleshooting, and repair of engines and electrical systems as a foundation. Special emphasis is given to the established competencies based on the ASE/NATEF task list. These courses are dual credit courses with Greenville Technical College.

Title: Automotive Technology 1A (NATEF/Brakes)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603009TD/NATEF1A

Title: Automotive Technology 1B (NATEF/Steering)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603021TD/NATEF1B

Title: Automotive Technology 1C (NATEF/Engine Performance)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603033TD/NATEF1C

Title: Automotive Technology 1D (NATEF/Electrical)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603045TD/NATEF1D

Title: Automotive Technology 2A (NATEF/Engine Repair)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603109TD/NATEF2A

Title: Automotive Technology 2B (NATEF/Air Cond)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603121TD/NATEF2B

Title: Automotive Technology 2C (NATEF/Transmissions)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603133TD/NATEF2C

Title: Automotive Technology 2D (NATEF/Drivetrain)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Algebra 1 or Math Tech 2 **Course Number:** 603145TD/NATEF2D

This Automotive Technology program prepares students to perform maintenance and service on all types of automobiles. Under the supervision of a licensed and experienced automotive technician, students will participate in a National Automotive Technology Education Foundation (NATEF) certified curriculum. When students successfully complete each course, they receive NATEF certification which is nationally recognized.

Title: Drafting 1A
Unit Credit: 2
Prerequisite: Geometry
Suggested Grade Level: 10-12
Course Number: 617006TD/DRAFT1A

Title: Drafting 1B
Unit Credit: 2
Prerequisite: Drafting 1A
Suggested Grade Level: 10-12
Course Number: 617018TD/DRAFT1B

Title: Drafting 2A
Unit Credit: 2
Prerequisite: Drafting 1B
Suggested Grade Level: 11-12
Course Number: 617130TD/DRAFT2A

Title: Drafting 2B
Unit Credit: 2
Prerequisite: Drafting 2A
Suggested Grade Level: 11-12
Course Number: 617142TD/DRAFT2B

The Computer Aided Drafting unit is an integral part of the Architectural and Mechanical Drafting programs and is designed to prepare students to perform entry-level tasks under supervision. Instruction includes the basic computer theory and operation, use of programs in architectural design and preparation of plans, and use of programs in mechanical design and preparation of working drawings. *This course may meet the computer science requirement.*

Title: Drafting 1A (dual credit)
Unit Credit: 2
Prerequisite: Geometry
Suggested Grade Level: 10-12
Course Number: 617008DD/DDRAFT1A

Title: Drafting 1B (dual credit)
Unit Credit: 2
Prerequisite: Drafting 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 617020DD/DDRAFT1B

Title: Drafting 2A (dual credit)
Unit Credit: 2
Prerequisite: Drafting 1B (dual credit)
Suggested Grade Level: 11-12
Course Number: 617132DD/DDRAFT2A

Title: Drafting 2B (dual credit)
Unit Credit: 2
Prerequisite: Drafting 2A (dual credit)
Suggested Grade Level: 11-12
Course Number: 617144DD/DDRAFT2B

The Computer Aided Drafting unit is an integral part of the Architectural and Mechanical Drafting programs and is designed to prepare students to perform entry-level tasks under supervision. Instruction includes the basic computer theory and operation, use of programs in architectural design and preparation of plans, and use of programs in mechanical design and preparation of working drawings. This program of study is dual credit with Greenville Technical College. *This course may meet the computer science requirement.*

Title: Electronics 1A (Robotics)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 1
Suggested Grade Level: 10-12
Course Number: 613306TD/ELEC1A

Title: Electronics 1B (Robotics)
Unit Credit: 2
Prerequisite: Electronics 1A
Suggested Grade Level: 10-12
Course Number: 613318TD/ELEC1B

Electronics is designed to offer the competencies of a basic electronics program and contains the core content common to all of the specialized programs in electronics. The program is designed to prepare the students to perform entry-level electronic technician tasks under the supervision of an experienced technician. The program prepares students to assemble, install, operate, maintain, troubleshoot, and repair electrical/electronic equipment as well as construct a robot. The content includes, but is not limited to, DC electronics, AC electronics, semiconductor devices, digital circuit devices, and microprocessors. Integrated into this content will be safe and efficient work practices, use of circuit diagrams and schematics, and soldering and chassis assembly techniques. The student can progress from the basic electronics program into advanced programs of computer repair, communications, industrial electronics, machine tool technology, welding, and sheet metal.

Title: Electronics 2A (Robotics)
Unit Credit: 2
Prerequisite: Electronics 1B
Suggested Grade Level: 11-12
Course Number: 613430TD/ELEC2A

Title: Electronics 2B (Robotics)
Unit Credit: 2
Prerequisite: Electronics 2A
Suggested Grade Level: 11-12
Course Number: 613444TD/ELEC2B

This course is a continuation of the Electronics 1 course.

Title: Ford Academy of Manufacturing Sciences (FAMS)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 1 and
 Completion of English 1
Suggested Grade Level: 10-12
Course Number: 609809TD/FAMS

FAMS is designed to provide an introduction to manufacturing and the various careers in the world of work and the manufacturing industry, economic principles which affect manufacturing, functions and structure in manufacturing systems; and significant processes used in manufacturing. Job readiness skills are also incorporated into the curriculum to prepare students for the behavioral expectations of employers. The course includes training in Microsoft computer programs and communications technology along with site visits to manufacturing facilities and Greenville Technical College.

Title: Industrial Manufacturing Technology 1A
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 2 **Course Number:** 621006TD/MFGTEC1A

Title: Industrial Manufacturing Technology 1B
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Industrial Manufacturing Tech 1A **Course Number:** 621018TD/MFGTEC1B

Title: Industrial Manufacturing Technology 1A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Algebra 2 **Course Number:** 621008DD/DMFGTC1A

Title: Industrial Manufacturing Technology 1B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Industrial Manufacturing Tech 1A **Course Number:** 621020DD/DMFGTC1B

This challenging course is designed for successful high school students seriously considering an engineering major in college. Students apply the science and math skills acquired in high school to challenging engineering problems in a high tech environment. Design, prototype production, testing, and application become a part of every project. Computers are used in the program for information gathering, product design, and self-paced instruction. Instruction occurs in a lab purchased specifically for the program that includes self-contained learning modules in drafting and design, electricity and electronics, quality control, CAD-CAM manufacturing, automation and materials handling, hydraulics, pneumatics and power transmission, as well as other engineering related experiences.

Title: Machine Technology 1A (dual credit)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 623008DD/DMACH1A

Title: Machine Technology 1B (dual credit)
Unit Credit: 2
Prerequisite: Machine Tech 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 623020DD/DMACH1B

Title: Machine Technology 2A (dual credit)
Unit Credit: 2
Prerequisite: Machine Tech 1B (dual credit)
Suggested Grade Level: 11-12
Course Number: 623132DD/DMACH2A

Title: Machine Technology 2B (dual credit)
Unit Credit: 2
Prerequisite: Machine Tech 2A (dual credit)
Suggested Grade Level: 11-12
Course Number: 623144DD/DMACH2B

The Machine Technology program is designed to prepare students to perform entry-level machine shop tasks under the supervision of an experienced machinist. Machine Technology students receive training on a variety of metal shaping machines used in the machining industry. Included in the course of study is instruction related to machining, precision measurement, industrial shop safety, shop drawings, and mathematics. This program of study is dual credit with Greenville Technical College.

Title: Personal Computer (PC) Repair
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 532006TD/PCREP

This course covers the introduction to computer maintenance and installation of hardware. Instruction and hands-on opportunities will be available to install, test, and troubleshoot hardware. Successfully passing the nationally recognized A+ Certification Exam should be the student's goal upon completion of both the A+ Certification Core and Win/DOS.

Title: Race Car Mechanics
Unit Credit: 2
Prerequisite: Automotive Tech 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 619806TD/RACECAR

Students will continue their development of knowledge and skills used in the service and repair of automobiles by constructing a street stock race car. Students will study engine performance, differentials, transmissions, braking systems and suspension systems. Students will study the contributions made by people in the Carolina to the racing industry. Field trips will be taken to race car parts manufacturers, fabrication shops and local racing facilities.

Title: Welding Technology 1A (dual credit)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 634008DD/DWELD1A

Title: Welding Technology 1B (dual credit)
Unit Credit: 2
Prerequisite: Welding Technology 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 634020DD/DWELD1B

Title: Welding Technology 2A (dual credit)
Unit Credit: 2
Prerequisite: Welding Technology 1B (dual credit)
Suggested Grade Level: 11-12
Course Number: 634132DD/DWELD2A

Title: Welding Technology 2B (dual credit)
Unit Credit: 2
Prerequisite: Welding Technology 2A (dual credit)
Suggested Grade Level: 11-12
Course Number: 634144DD/DWELD2B

The Welding Technology program is designed to prepare students to perform entry-level welding tasks under the supervision of an experienced certified welder. Welding students receive training in gas and electric welding. Included in the course of study is instruction related to blueprint reading, properties of metal, and safety. This program of study is dual credit with Greenville Technical College.

Environmental Sciences Cluster

Title: Golf Course Technology 1A

Unit Credit: 2

Prerequisite: Related course, biology
or teacher recommendation

Suggested Grade Level: 11-12

Course Number: 566706TD/GOLFC1A

Title: Golf Course Technology 1B

Unit Credit: 2

Prerequisite: Golf Course Technology 1A

Suggested Grade Level: 11-12

Course Number: 566718TD/GOLFC1B

The Golf Course Technology courses are designed to qualify the student completing the courses for job entry into golf course and turf fields as well as to continue advanced training in post high school education. A combination of subject matter and activities is designed to teach technical knowledge and skills for entry-level positions.

Typical instructional activities include hands-on experiences with agricultural power units, the planning and selection of materials, the mechanical practices associated with irrigation and water conservation, erosion control, participating in personal and community leadership development activities, planning and implementing a relevant supervised agricultural experience, and participating in FFA activities.

Title: Landscape Technology 1A

Unit Credit: 2

Prerequisite: Related course, biology
or teacher recommendation

Suggested Grade Level: 11-12

Course Number: 567006TD/LANDS1A

Title: Landscape Technology 1B

Unit Credit: 2

Prerequisite: Landscape Technology 1A

Suggested Grade Level: 11-12

Course Number: 567018TD/LANDS1B

The courses in Landscape Technology are designed to qualify the student completing the courses for job entry into landscaping fields or to continue advanced training in post high school education. A combination of subject matter and activities is designed to teach technical knowledge and skills for entry-level positions in selling, selecting, and servicing.

Typical instructional activities include hands-on experiences with the planning and selection of materials for the construction of hardscapes, the mechanical practices associated with irrigation and water conservation, erosion control, participating in personal and community leadership development activities, planning and implementing a relevant supervised agricultural experience, and participating in FFA activities.

Health, Education & Human Services Cluster

Title: Cosmetology 1A
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2 and Biology

Suggested Grade Level: 11-12
Course Number: 615006TD/COS1A

Title: Cosmetology 1B
Unit Credit: 2
Prerequisite: Cosmetology 1A

Suggested Grade Level: 11-12
Course Number: 615018TD/COS1B

Title: Cosmetology 2A
Unit Credit: 2
Prerequisite: Cosmetology 1B

Suggested Grade Level: 12
Course Number: 615130TD/COS2A

Title: Cosmetology 2B
Unit Credit: 2
Prerequisite: Cosmetology 2A

Suggested Grade Level: 12
Course Number: 615142TD/COS2B

The Cosmetology program is designed to prepare students to qualify for licensing examinations. Cosmetology students receive training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair shaping, hair styling, setting, waving, hair coloring, and shampoos and rinses. Care of skin and nails includes manicuring and pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of both theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management.

Title: Creative Catering 1A
Unit Credit: 2
Prerequisite: Culinary Arts 1B or teacher recommendation

Suggested Grade Level: 11-12
Course Number: 579806TD/CATER1A

Title: Creative Catering 1B
Unit Credit: 2
Prerequisite: Creative Catering 1A

Suggested Grade Level: 11-12
Course Number: 579818TD/CATER1B

Creative Catering encompasses food preparation techniques, nutrition, sanitation, food service management, art principles, menu planning, pricing, and food techniques.

Title: Culinary Arts 1A
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 572006TD/CULART1A

Title: Culinary Arts 1B
Unit Credit: 2
Prerequisite: Culinary Arts 1A
Suggested Grade Level: 10-12
Course Number: 572018TD/CULART1B

Title: Culinary Arts 2A
Unit Credit: 2
Prerequisite: Culinary Arts 1B
Suggested Grade Level: 11-12
Course Number: 572130TD/CULART2A

Title: Culinary Arts 2B
Unit Credit: 2
Prerequisite: Culinary Arts 2A
Suggested Grade Level: 11-12
Course Number: 572144TD/CULART2B

Culinary Arts serves as the introduction to the study of the food service industry. Students who enjoy working with food and are willing to study and practice the techniques of cooking will have greater success at employment upon completion. All aspects of the industry and potential careers, equipment use and upkeep, food preparation and service, food storage, ordering, and work simplification are covered in this program. Students will receive practical and theoretical experiences so that competence in each area will be obtained.

Title: Culinary Arts 1A (dual credit)
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2
Suggested Grade Level: 10-12
Course Number: 572008DD/DCULAR1A

Title: Culinary Arts 1B (dual credit)
Unit Credit: 2
Prerequisite: Culinary Arts 1A (dual credit)
Suggested Grade Level: 10-12
Course Number: 572020DD/DCULAR1B

Title: Culinary Arts 2A (dual credit)
Unit Credit: 2
Prerequisite: Culinary Arts 1A
Suggested Grade Level: 10-12
Course Number: 572132DD/DCULAR2A

Title: Culinary Arts 2B (dual credit)
Unit Credit: 2
Prerequisite: Culinary Arts 2A (dual credit)
Suggested Grade Level: 10-12
Course Number: 572144DD/DCULAR2B

Culinary Arts serves as the introduction to the study of the food service industry. Students who enjoy working with food and are willing to study and practice the techniques of cooking will have greater success at employment upon completion. All aspects of the industry and potential careers, equipment use and upkeep, food preparation and service, food storage, ordering, and work simplification are covered in this program. Students will receive practical and theoretical experiences so that competence in each area will be obtained. This program is a dual credit program with Greenville Technical College.

Title: Early Childhood/Child Care Services 1A
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: 2.0 average **Course Number:** 570006TD/CHLDCA1A

Title: Early Childhood/Child Care Services 1B
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Early Childhood 1A **Course Number:** 570018TD/CHLDCA1B

Title: Early Childhood/Child Care Services 2A
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Early Childhood 1B **Course Number:** 570130TD/CHLDCA2A

Title: Early Childhood/Child Care Services 2B
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Early Childhood 2A **Course Number:** 570142TD/CHLDCA2B

Using the investigative project approach, students explore the world of preschool children. Students learn how to plan and guide a variety of children's activities, such as reading, language, music, art, science, math, and games. Characteristics of quality preschool programs and professional teachers are explored. Students develop important work skills for problem solving, goal setting, teamwork, organizing, and creative thinking.

Title: Early Childhood/Child Care Services 1A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: 2.0 average **Course Number:** 570008DD/DECHLD1A

Title: Early Childhood/Child Care Services 1B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 10-12
Prerequisite: Early Childhood 1A (dual credit) **Course Number:** 570020DD/DECHLD1B

Title: Early Childhood/Child Care Services 2A (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Early Childhood 1B (dual credit) **Course Number:** 570132DD/DECHLD2A

Title: Early Childhood/Child Care Services 2B (dual credit)
Unit Credit: 2 **Suggested Grade Level:** 11-12
Prerequisite: Early Childhood 2A (dual credit) **Course Number:** 570144DD/DECHLD2B

Using the investigative project approach, students explore the world of preschool children. Students learn how to plan and guide a variety of children's activities, such as reading, language, music, art, science, math, and games. Characteristics of quality preschool programs and professional teachers are explored. Students develop important work skills for problem solving, goal setting, teamwork, organizing, and creative thinking. This program of study is dual credit with Greenville Technical College.

Title: Gerontology
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2 and Biology

Suggested Grade Level: 11-12
Course Number: 556006TD/GERONTGY

Gerontology is designed to provide information on the aging process, the physical care skills and psychosocial care skills of the geriatric client, and the role of the nurse aide. Students are prepared to perform nursing-related services to patients and residents in hospitals or long-term care facilities, under the direction and supervision of a registered nurse. To assure students' eligibility for the South Carolina Department of Health and Human Services nurse aide certification, both school-based and long-term care facility training must be provided.

This course is recommended for students in grades 11 and 12. This course meets all federal and state requirements for a certified nurse aide.

Title: Introduction to Health Science Technology 1A
Unit Credit: 2
Prerequisite: None

Suggested Grade Level: 11-12
Course Number: 555406TD/INTHST1A

Introduction to Health Science Technology includes an overview of therapeutic, diagnostic, information, and environmental services clusters of a health science career path. The course focuses on health careers exploration, health care systems roles, leadership, employability, and communication skills. Students will develop a concept of health maintenance practices, safety, teamwork, and legal and ethical responsibilities. School-to-work shadowing activities will be implemented in this course. Subject matter will include career choices and application of health concepts relative to becoming a health care professional.

Title: Health Science Technology 1A
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2 and Biology

Suggested Grade Level: 11-12
Course Number: 555006TD/HST1A

Title: Health Science Technology 1B
Unit Credit: 2
Prerequisite: Health Science Technology 1A

Suggested Grade Level: 11-12
Course Number: 555018TD/HST1B

Title: Health Science 2 Technology A
Unit Credit: 2
Prerequisite: Health Science Technology 1B or
Teacher recommendation

Suggested Grade Level: 11-12
Course Number: 555130TD/HST2A

Title: Health Science Technology 2B
Unit Credit: 2
Prerequisite: Health Science Technology 2A

Suggested Grade Level: 11-12
Course Number: 555142TD/HST2B

Health Science Technology courses introduce the student to themes and components common to a wide variety of health careers and provide a foundation for further study in the health professions. The course content emphasizes lifelong learning and the interdisciplinary team approach with special emphasis given to ethical practice, communication skills, infection control, computer literacy and work-based learning.

The curriculum introduces the student to hygiene and grooming, medical terminology, first aid/CPR, body structure, nutrition and tasks unique to most health care careers and provides for review and mastery of these topics by graduation. The course also covers anatomy and physiology of all body systems and higher level tasks unique to most health care careers and geriatric and terminally ill care, culminating in a research paper about one or more health careers.

Title: Introduction to Law, Public Safety and Security
(Introduction to Protective Services)

Unit Credit: 2

Suggested Grade Level: 10-12

Prerequisite: N/A

Course Number: 650506TD/INPROSER

This course introduces the students to the legal system as well as other governmental agencies designed to promote the well-being of the community—fire departments and emergency medical services.

Title: Law, Public Safety & Security 1A
(Protective Services 1A)

Unit Credit: 2

Suggested Grade Level: 10-12

Prerequisite: N/A

Course Number: 651006TD/PROSER1A

Title: Law, Public Safety & Security 1B
(Protective Services 1B)

Unit Credit: 2

Suggested Grade Level: 10-12

Prerequisite: Law, Public Safety & Security 1A or
Teacher recommendation

Course Number: 651018TD/PROSER1B

In these courses, students will study the police, the courts, and the corrections systems, tracing their development from the past to the present. Also covered are the related emergency service fields. Students will learn the functions of police, crime scene search and evidence processing, arrest procedures, and other law related procedures.

Title: Law, Public Safety & Security 1A (dual credit)
(Protective Services 1A dual credit)

Unit Credit: 2

Suggested Grade Level: 11-12

Prerequisite: N/A

Course Number: 651008DD/DPROSV1A

Title: Law, Public Safety & Security 1B (dual credit)
(Protective Services 1B dual credit)

Unit Credit: 2

Suggested Grade Level: 11-12

Prerequisite: Law Public Safe & Sec 1A (dual credit) or teacher recommendation

Course Number: 651020DD/DPROSV1B

In these courses, students will study the police, the courts, and the corrections systems, tracing their development from the past to the present. Also covered are the related emergency service fields. Students will learn the functions of police, crime scene search and evidence processing, arrest procedures, and other law related procedures. This program of study is dual credit with Greenville Technical College.

Title: Medical Terminology
Unit Credit: 2
Prerequisite: None
Suggested Grade Level: 10-12
Course Number: 554006TD/MEDTERM

Medical terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in health care.

Title: Sports Medicine 1
Unit Credit: 2
Prerequisite: Algebra 1 or Math Tech 2 and Biology
Suggested Grade Level: 11-12
Course Number: 555506TD/SPTSMED1

Sports Medicine is designed to teach students the components of exercise science including an anatomy overview, basic principles of safety, first aid, cardiopulmonary resuscitation, and vital signs. The course focuses on the principles governing the prevention, evaluation, treatment, and rehabilitation of athletic injuries. Subject matter will include career choices and application of sports medicine concepts relative to becoming a health care professional. Students interested in fields such as athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from the course.

Title: Sports Medicine 2
Unit Credit: 2
Prerequisite: Sports Medicine 1
Suggested Grade Level: 11-12
Course Number: 555506TD/SPTSMED2

This course is a continuation of the skills learned in level 1.