

**DRAFTING/CAD BASIC (10-12) 1.00**

This is a hands-on course which will prepare individuals to use technical knowledge and skills to plan and prepare scale pictorial interpretations of engineering and design concepts. Includes instruction in the use of precision drawing instruments, computer design programs (AutoCAD), sketching and illustration. Two dimensional (2D) drawings will be the focus. This course will prepare students for advanced drafting courses and give practical skills for future professional development. Fee is required (\$10).

**DRAFTING/CAD ADVANCED (11-12) 1.00**

Prerequisite: Drafting/CAD Basic

This course will help prepare students for employment or college level drafting courses. Students will work on Inventor and ArchiCAD software to produce 3-Dimensional and Architectural drawings. Half of the year will be spent on Architecture, and half on 3-Dimensional modeling/design. This is a college credit class through Southern Utah University and Dixie State College.

**BASIC GRAPHICS (10-12) .50**

This is a hands-on activity based course that explores the graphic arts. Emphasis is placed on: computer applications, desktop publishing, digital/photographic reproduction, elements of design, typography, and the various methods of the printing processes, including screen printing. This course provides a strong basis in creativity for other classes and future employment. Students will produce t-shirts, stickers, notepads, hats, and other personalized items. This class is where creativity meets technology! For more information on graphics, Check it out on the web at:

<http://www.schs.wash.k12.ut.us/graphics> Lab Fee \$33

**ADVANCED GRAPHICS (11-12) 2.00**

Prerequisite: Basic Graphics

This class provides a quality foundation for skills relating to graphic arts, computer design/graphics, photographic reproduction, and printing applications. Recent changes in technology make this an exciting opportunity for skill-building through real hands-on assignments and projects. Dixie College credits (up to 6 semester credits) can be earned through this class. Check it out on the web at:

[www.schs.wash.k12.ut.us/graphics](http://www.schs.wash.k12.ut.us/graphics) Lab Fee \$43

**MEDICAL ANATOMY & PHYS. (11-12) 1.00**

Prerequisite: Human Biology or Biology

This course is a program that lets students explore jobs in the health care field. Main emphasis is on medical terminology, anatomy, and physiology of the human body and clinical experiences in which students shadow health care professionals in the community. This is an excellent course for students wishing to pursue a job in the medical field. Transportation to clinics is required. *THIS COURSE WILL MEET VOCATIONAL CREDIT OR BIOLOGICAL SCIENCE CREDIT REQUIREMENT.*

**EXERCISE SCI/SPORTS MED. (11-12) 1.00**

Prerequisite: Human Biology recommended and Teacher Approval Attention is given to the practical application and methods in first aid, treatment and procedures of handling injuries. Students would show competencies in recognizing physical injuries. There would be emphasis in learning the cause and prevention of athletic injuries. Therapeutic treatment of injuries will be covered. Fee and out of class responsibilities will be required. Lab Fee \$40.

**AGRICULTURAL BUSINESS & MGNT 10-12)1.00**

This course teaches skills needed to manage an agricultural related business. Instruction includes economic business principles and structures, business enterprise analysis, accounting, taxes, insurance, productivity, financing, capital resources, purchasing, government programs, community groups, contracts, estate planning, marketing, salesmanship and use of computers in agriculture.

**FLORICULTURE/GREENHOUSE (10-12) 1.00**

An instructional course that prepares students to produce, process, and market bedding plants, holiday or specialty plants, and house plants. Students will be exposed to greenhouse operations and management practices that will prepare the student to reproduce commercial plants in a controlled environment and to manage commercial and experimental greenhouse operations. Students will also learn the basics in floral design, plant anatomy and physiology, plant requirements, hydroponics, and pruning techniques.