
CAREER AND TECHNICAL EDUCATION DEPARTMENT

Federal Way School District offers a wide variety of Career and Technical Education (CTE) courses providing students with opportunities to explore career options, prepare for employment upon graduation from high school and/or prepare for further education beyond high school.

- Exploratory courses are designed to introduce a broad range of career options within an area of study. Students in exploratory classes are exposed to the initial elements of a particular career emphasis. They demonstrate the application of priority standards in the context of preparing for work, demonstrate occupational specific skills, and build employability and leadership skills.
- Preparatory courses are designed to be a sequence of classes for post-exploratory students who have decided to focus on an occupation or cluster of related occupations within a specific career area. Students in preparatory programs may have the opportunity to earn industry certification and articulate to a post-secondary education and training program.
- College Credit: Students may be eligible to earn college credit in many CTE courses, in much the same way as the Running Start program. Articulation agreements with local community and technical colleges are a way to deliver a program that combines high school and community/technical college curricula into a unified course of study. This opportunity gives high school students a solid start in earning a community/technical college certificate or degree. The opportunity to earn college credit while in high school is free, although there may be a transcript fee or other fee upon registration at the community or technical college of choice. Participating colleges include: **Highline Community College, Green River Community College, and Renton Technical College**. Students must earn a B or better grade to be eligible.
- Leadership Strand: Students receiving credit in courses with leadership training will be more competitive for college applications. CTE courses offer opportunities for students to participate in Career and Technical Student Organizations: DECA (Distributive Education Clubs of America), FBLA (Future Business Leaders of America), FCCLA (Family, Career & Community Leaders of America), FFA, TSA (Technology Students of America) WCTSMA (Washington Career & Technical Sports Medicine Association) and SkillsUSA.
- CTE courses are representative of 16 Career Clusters:

*Agriculture, Food & Natural Resources	*Hospitality & Tourism
*Architecture & Construction	*Human Services
*Arts, A/V Technology & Communications	*Information Technology
*Business, Management & Administration	*Law, Public Safety, Corrections & Security
*Education & Training	*Manufacturing
*Finance	*Marketing, Sales & Service
*Government & Public Administration	*Science, Technology, Engineering & Math (STEM)
*Health Science	*Transportation, Distribution & Logistics

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AGRICULTURE & HORTICULTURE SCIENCE

•GARDEN SCIENCE (Truman Career Academy Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	* Lab Science/CTE ©

This course provides students with the skills and science behind the development and cultivation of a community garden including plant anatomy and function, plant & pest identification, plants' environmental requirements, care, different methods of propagation, pruning techniques, and pest control. Students will read and interpret written material on plants, conduct scientific investigations, and present findings to the class. Students will exit the program with skills to meet Washington State Biology Standards.

CIP 011101

•HORTICULTURE 1st Year (Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	* Lab Science/CTE ©

This course provides students with skills in the history of Horticulture, career exploration, plant anatomy, plant & pest identification, plants' environmental requirements, care, different methods of propagation, pruning techniques, and pest control. Students will read and interpret written material on plants. Students will have a Supervised Agriculture Experience (SAE/FFA) as required by Washington State curriculum guidelines. Students will exit the program with skills to meet Horticulture Industry Standards.

CIP 010603

•HORTICULTURE 2nd Year (Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Horticulture 1 st Year Instructor Permission	* Lab Science/CTE ©

This course provides students with skills in theory of Floral Design, flower and foliage, basic and intermediate techniques and styles. Students will read and interpret written material with emphasis on problem solving. Special attention is paid to organizational, anticipatory, and public relationship skills developed by participating in a school-operated floral business. Students will have a Supervised Agriculture Experience (SAE/FFA) as required by Washington State curriculum guidelines. Students will exit the program with skills to meet Horticulture Industry Standards.

CIP 010603

•HORTICULTURE 3rd Year (Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Horticulture 2 nd Year Instructor Permission	* Lab Science/CTE ©

This course provides students with a combination of advanced skills from the Horticulture and Floral Design areas. Students will exit the program with proficient skills in Horticulture, Floral Design, marketing strategies, interpersonal skill, and job seeking skills. Students will have a Supervised Agriculture Experience (SAE/FFA) as required by Washington State curriculum guidelines. Students will exit the program with skills to meet Horticulture Industry Standards.

CIP 010608

•HORTICULTURE 4th Year (Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Horticulture 3rd Year Instructor Permission	* Lab Science/CTE ©

This course provides students with an opportunity to complete a year long project based on their experience and interests. Students will develop a plant or floral or greenhouse production project approved by the instructor. Student success will be based on quality and quantity of plants in the project. Students may also participate in job shadow, and work experience during this year.

CIP 010608

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AIR FORCE JROTC

●AIR FORCE JROTC – AVIATION HONORS GROUND SCHOOL

Credits

.5 per semester

Year Course

This course is for seniors only. No previous AFJROTC experience is necessary to take this course, however a minimum 3.0 cumulative GPA is required for enrollment. This course is the foundation for students interested in pursuing a private pilot's license. The *Private Pilot Manual* is the primary source for study and review. The text contains complete and concise explanations of the fundamental concepts that every private pilot needs to know. Subjects are organized in a logical manner to build upon previously introduced topics. Periodically, human factor principles are presented to help the student understand how the mind and body function in flight. Throughout the course, concepts that relate directly to FAA test questions are highlighted by FAA Question Insets. Upon course completion, students will be prepared to take and pass the Federal Aviation Administration (FAA) written examination for their private pilot's license. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. Cadets will also participate in leadership and the AFJROTC physical fitness program. ***There is no military commitment for AFJROTC students.***

●AIR FORCE JROTC – DRILL & CEREMONIES

Credits

.5 per semester

Year Course

The Drill and Ceremonies course provides fundamental and in-depth instruction in Air Force drill and ceremonies. The fundamentals of Drill and Ceremonies are taught, to include cadet ability to perform the AFJROTC 30-step drill sequence. The Drill and Ceremonies course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn Air Force drill concepts and procedures. Though each class will follow an established lesson plan, most of the work is to be hands-on. This course is offered either 0-Hour or 7th-Hour. Students must be enrolled in a regular AFJROTC during the normal school day to take this class. ***There is no military commitment for AFJROTC students.***

●AIR FORCE JROTC – EXPLORING SPACE: THE HIGH FRONTIER

Credits

.5 per semester

Year Course

Exploration of Space examines Earth, the Moon, the planets, the latest advances in space technology, and continuing challenges of space and manned spaceflight. Issues that are critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. The manned spaceflight section covers major milestones in the endeavor to land on the Moon, and to safely orbit humans and crafts in space for temporary and prolonged periods. It also covers the development of space stations and their future, and international laws for the use of travel in space. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. Cadets will also participate in leadership and the AFJROTC physical fitness program. ***There is no military commitment for AFJROTC students.***

●AIR FORCE JROTC – GLOBAL AWARENESS

Credits

.5 per semester

Year Course

This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region.

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AIR FORCE JROTC

Throughout the course there are readings, video segments, hands-on activities, technology enrichment, and assessments to guide in the reinforcement of the materials. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. Cadets will also participate in leadership and the AFJROTC physical fitness program. ***There is no military commitment for AFJROTC students.***

•AIR FORCE JROTC – JOURNEY INTO AVIATION HISTORY

Credits

.5 per semester

Year Course

This is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. Cadets will also participate in leadership and the AFJROTC physical fitness program. ***There is no military commitment for AFJROTC students.***

•AIR FORCE JROTC – MANAGEMENT OF THE CADET CORPS

Credits

.5 per semester

Year Course

Upper class cadets manage the entire corps under AFJROTC instructor supervision. This course is a practicum for those cadets to provide hands-on experience for the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets, under the supervision of AFJROTC instructors. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills. This course may be limited to cadets with two or more years of JROTC experience. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. Cadets will also participate in leadership and the AFJROTC physical fitness program. ***There is no military commitment for AFJROTC students.***

•AIR FORCE JROTC – SCIENCE OF FLIGHT

Credits

.5 per semester

Year Course

This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation to include map reading, course plotting and the effects of wind. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. Cadets will also participate in leadership and the AFJROTC physical fitness program. Cadets will also participate in leadership and the AFJROTC physical fitness program. ***There is no military commitment for AFJROTC students.***

•AIR FORCE JROTC – LEADERSHIP LAB ACTIVITY

Credits

.5 per course

1-Week Course

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AIR FORCE JROTC

Leadership Lab Activity is a week-long extracurricular program, typically held during spring or summer break or after school ends, that teaches AFJROTC cadets aspects of citizenship and leadership in a highly structured and focused instructional environment. It promotes development by preparing cadets for leadership roles in their units, schools, and local communities. As such, the activities during LLA stress team-building, leadership, respect for authority, responsible citizenship, character development, academic achievement, physical fitness, and community service. Cadets will also participate in leadership and the AFJROTC physical fitness program. *There is no military commitment for AFJROTC students.*

•AIR FORCE JROTC – SURVIVAL

Credits

.5 per semester

Year Course

The Survival course provides instruction and training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. AFJROTC students wear the Air Force uniform once a week and comply with Air Force grooming standards. . Cadets will also participate in leadership and the AFJROTC physical fitness program. *There is no military commitment for AFJROTC students.*

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AMERICAN SIGN LANGUAGE INTERPRETING

•AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 1st Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	©§

In this course, students will gain skills to progress toward a career in ASL Sign Language Interpreting. Students will learn about the world of deaf and hard of hearing. They will exit the course knowing basic levels of vocabulary, grammatical structure, and conversational skills. Students will also gain an awareness of the deaf culture and history, and be introduced to short conversational dialogues in ASL. See instructor for information on college credit availability.

CIP 161603

•AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 2nd Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	ASL/SLI 1 st Year	©§

Building on skills learned in ASL/SLI 1st Year, students will gain more in-depth knowledge and skills. Increased interaction in the deaf community is emphasized. See instructor for information on college credit availability.

CIP 161603

•AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 3rd Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	ASL/SLI 2 nd Year	©§

Students continuing in the 3rd year program of ASL/SLI learn advanced grammar, vocabulary and usage. Cultural aspects of deaf culture are included, and students continue to improve expressive signing skills through interaction with those in the deaf community. Purchase of a student workbook is required. See instructor for information on college credit availability.

CIP 161603

•AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 4th Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	ASL/SLI 3 rd Year	©§

4th Year students continue their study of advanced level grammar, vocabulary and usage. This course also allows students to pursue advanced level interpreting skills in preparation for a career as a sign language interpreter. Job shadow and internship opportunities are available for students to interact on an advanced level in the deaf community. See instructor for information on college credit availability.

CIP 161603

Most Washington 2-year, 4-year, public and private colleges accept ASL for college entrance purposes.

CAREER AND TECHNICAL EDUCATION DEPARTMENT

BUSINESS EDUCATION/MARKETING EDUCATION

•ACCOUNTING 1st Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	*3 rd Year Math © \$

Students will learn to analyze business transactions, record them in journals and prepare financial statements for businesses. Major areas to be studied include the accounting cycle, payroll procedures, automated accounting and subsidiary ledgers. Students receive realistic experience by completing business simulations and will receive considerable practice using computerized accounting. The course provides an excellent background for students entering any type of business as well as those interested in accounting or bookkeeping as a career. Guest speakers are included. Students may be able to earn college credit upon successful completion of this course.

CIP 520301

•ACCOUNTING 2nd Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Accounting 1 st Year	*3 rd Year Math © \$

Students will develop vocational competency, receive pre-college business administration preparation and gain a better understanding of accounting theory. Major areas covered will include advanced problems, specialized records, payroll, departmentalized accounting, cost accounting, corporation accounting and automated accounting. Cost accounting for merchandising and manufacturing businesses plus records for corporations and partnerships will be studied. Textbook problems, computerized accounting problems, business simulations, speakers and class discussion are activities of the course. Students may be able to earn college credit upon successful completion of this course. *CIP 520301*

•APPLIED MATH

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	*3 rd Year Math ©

This year long course in an introduction to Algebra and Geometry using a contextual teaching approach that emphasizes the application of skills to everyday practical problems. It combines traditional mathematical content with hands-on real-world applications and lab activities. The mathematical content is matched to state standards and the applications and activities prepare students for the Washington State Math Assessment and Federal Way Course Assessments, and practical use of math beyond High School. *CIP 270301*

•BUSINESS COMMUNICATIONS

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Digital Information Processing or concurrently enrolled	© \$

Applied Communications is a core component for all vocational career strands. The primary mission of this course is to prepare students for careers in business/technology, with an emphasis on writing techniques. Specifically, students will be able to communicate effectively, both orally and in writing; go through the process of obtaining relative employment; work effectively on the job with supervisors and colleagues; work well with customers and clients; and become problem solvers. *CIP 520501*

•BUSINESS LAW

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	None	*Sr Soc St and/or Civics © \$

Business Law delivers answers to everyday legal problems and questions any citizen may encounter in business and everyday living. Major areas covered will include; rights and responsibilities, juvenile law, criminal law, personal injury law, consumer protection, making contracts, how contracts work, bailment, agency, wills and probate, marriage and dissolution, renting and leasing, court systems at the state and federal levels, and famous legal cases. Court procedures will be examined through mock trials and discussions. Activities will include guest speakers and a field trip to King County Superior Court.

CIP 220001

1.0 credits = 2 semesters

\$ = Fee may apply for special projects

☞ = Provide own transportation

§ = Instructor/Counselor/Principal permission

+= Physical Exam recommended

HL = Higher Level Course

©= Satisfies occupational education requirement

*= Crossover equivalent in another subject area

SL = Standard Level Course

CAREER AND TECHNICAL EDUCATION DEPARTMENT

BUSINESS EDUCATION/MARKETING EDUCATION

•BUSINESS MATH

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	*3 rd Year Math © \$

Basic business math applications will be applied to the business world in a variety of case studies by using either a computer (Excel software) or calculator. Students will have the opportunity to experience case studies in payroll preparation, balancing financial records, money management (stock market, taxes, interest) budgeting, and owning your own business. This is an excellent math review course requiring critical thinking and decision-making skills. Students may be able to earn college credit upon successful completion of this course.

CIP 279998

•BUSINESS PRINCIPLES

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	*Sr Social Studies © \$

Students will study advertising, consumer protection, forms of business organizations, economics, investing, unions, money and banking systems, personal finance, life and health insurance, legal relations important to consumers, establishing and managing credit, the free-enterprise system, career exploration, income tax, plus other selected topics. Activities of the course include guest speakers, a field trip, and an investment game. This is an excellent introductory course for students who might have an interest in some form of business as a career or in becoming a more informed consumer. Students may be able to earn college credit upon successful completion of this course.

CIP 520000

•CAREER CHOICES

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	©

Students interested in preparing themselves for a career will benefit from this course that focuses on the linkage between individual capabilities and the job market. The program includes instruction in the variety and scope of available employment, how to access job information, preparing resumes and job applications, and health and safety concerns. Students will participate in a paid or unpaid internship, during which they will model occupation-specific skills. *Students need to provide their own transportation to the internship site.*

CIP 320107

•COMPUTER SCIENCE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	None	©

Students will focus on the general writing and implementation of generic and customized programs to drive operating systems. The course generally prepares individuals to apply the methods and procedures of software design and programming to software installation and maintenance. The course includes instruction in software design, low- and high-level languages and program writing, program customization and linking, prototype testing, troubleshooting, and related aspects of operating systems and networks. Students may be able to earn college credit upon successful completion of this course.

CIP 110201

•DIGITAL COMMUNICATION TOOLS

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	None	© \$

CAREER AND TECHNICAL EDUCATION DEPARTMENT

BUSINESS EDUCATION/MARKETING EDUCATION

Students will learn touch-typing on computers. The course will include introductions to word processing, spreadsheets and charts, electronic presentation tools, voice recognition, elements of web design, and the numeric data entry. Students will become proficient in the use of a word processing program with an emphasis on the formatting and keying of business documents such as letters, memos, and reports. This course prepares students for the Microsoft Office Specialist (MOS) Word Core and Expert certification program. Upon completion, students are encouraged to take the Word certification tests. Students may earn Tech Prep college credit upon successful completion of this course.

CIP 110601

•IB BUSINESS MANAGEMENT (TJ ONLY)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Grade 12	©

This course is designed for advanced Marketing or Business Education students. They will immerse themselves in market research, case study analysis, management systems and economics, finance and risk management in a highly applied framework of study. Entrepreneurship ventures are explored and use of marketing information technologies utilized to solve simple and complex problems that our economy is facing today. The course is open to all students. International Baccalaureate students may take this course as a Junior, addressing Standard Level requirements, or as a Senior and choose either Standard or Higher Level. Students may earn Tech Prep college credit upon successful completion of this course.

This course will fulfill the senior social studies graduation requirement. *CIP 521401*

•INTRODUCTION TO MARKETING

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	© \$

This course is designed for students who want a first look at the world of marketing. First semester content will address the marketing role in a healthy economy, entrepreneurship, personal selling, creating marketing plans, marketing segmentation and the promotional mix. Second semester continues with the free enterprise system, channels of distribution, communications skills, workplace attitudes and advertising. Student will have the opportunity to be involved in the DECA leadership program. They will also have the opportunity to participate in field trips, complete group and individual projects, and use technology applications. Students may be able to earn college credit upon successful completion of this course. *CIP 521400*

•INTRODUCTION TO FASHION MARKETING

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	© \$

This Introduction course addresses many influential fashion designers and media leaders while focusing on the rapid changing cycles of fashion and the responsive approaches to marketing. Introduction to Marketing fundamentals are covered as well as development of creative advertising campaigns for local fashion retailers including men's, children's, and women's wear, sportswear, accessories and jewelry. Following successful completion of this course, students may choose advanced studies at the Puget Sound Skills Center Fashion Design & Marketing program where they will extend their knowledge and experience and further prepare for careers in the fashion industry. *CIP 521902*

• IT ACADEMY

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	Digital Information Processing	© \$

Students will learn the computer skills and competencies necessary for lifelong success and/or to complete the Microsoft Office Specialist (MOS) core test for Word 2010, Excel 2010, PowerPoint 2010, and Access 2010. The MOS program is the only approved certification program designed to measure and validate users' skills with the Microsoft Office suite of desktop productivity applications. Upon completion, students are encouraged to take the certification tests. Students may be able to earn college credit upon successful completion of this course.

CIP 110620

CAREER AND TECHNICAL EDUCATION DEPARTMENT

BUSINESS EDUCATION/MARKETING EDUCATION

• MARKETING ESSENTIALS (TJHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	9 th or 10 th grade	©

Marketing Essentials is an Middle Years Program (MYP) class specifically designed as a one semester snapshot of business and marketing, integrating MYP methodology and will address foundational concepts of marketing, market research, selling and advertising. An emphasis will be made on developing connections between current trends, brand development and target marketing. Integration of MYP methodology will prepare students for further success in IB and regular class offerings. This course serves as a pre-requisite to Store Operations, Marketing Management and IB Business and Management. Participation in DECA will advance the student's opportunities and provide real-world leadership challenges. *CIP 521902*

• MARKETING MANAGEMENT

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Intro to Marketing OR Intro to Fashion Mktg OR Sports & Recreation Mktg	© \$ *Sr Soc Studies or Civics

Marketing Management students will explore and apply economic principles (microeconomics and macroeconomics) and develop skills in the areas of entrepreneurship, management, pricing systems and merchandising. In addition, distribution of good & services, finance, consumer protection, market research, product mix, promotion, public relations, sales skills and marketing information management systems are developed. Continued involvement in DECA will provide opportunities for the Marketing Management student to create research projects. This course will fulfill the senior social studies graduation requirement. *CIP 521401*

• MARKETING OPERATIONS/STUDENT STORE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Intro to Mktg, Intro to Fashion Mktg, or permission	© \$

Students in this course will have the opportunity to experience all aspects of store operations including: customer service, sales, POS register operations, financial management, profit/loss and risk management, pricing, inventory and communication in the workplace. Technology will be integrated into all operational procedures and marketing activities. Students may be able to earn college credit upon successful completion of this course. Students will have the opportunity to participate in DECA activities. *CIP 521801*

• MARKETING: SPORTS AND RECREATION

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
Year course	None	©

This course is designed as a hands-on investigation of the emerging world of Sports and Entertainment Marketing. Defining the marketing basics, Introduction to Marketing fundamentals are covered as well as promotion, public relations, personal selling and branding. Students will also research careers in the sports and entertainment marketing industry and study the history of this field. Joining the DECA organization and participating in sports and entertainment projects and field trips are opportunities open to the students in this course. *CIP 310504*

• PERSONAL FINANCE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
Yearlong course, .5 per semester	Grades 10, 11 & 12	*3 rd Year Math©

In this course, students will learn to evaluate personal money management practices related to human, economic, and environmental resources. The effective management of current and future financial resources is an emphasis. A variety of learning activities help students to make satisfying short and long-term decisions about using the resources available to them. Standards and competencies address financial goal-setting and strategies: household income, personal asset, and debt management, preventing and resolving potential financial difficulties, and use of public resources. *CIP 279998*

CAREER AND TECHNICAL EDUCATION DEPARTMENT

BUSINESS EDUCATION/MARKETING EDUCATION

•PROJECT MANAGEMENT

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
Yearlong course, .5 per semester	Grades 10, 11 & 12	

In this course, students will learn to apply quantitative and qualitative knowledge, skills, tools and techniques to manage projects in a wide range of fields and occupations. The course includes instruction in project planning, risk management, cost and time management, contracts and procurement, accounting, statistics, decision making, and human resources. Standards and competencies include understanding and application of the group development model, communication strategies, team building activities, and other employability skills. Students will plan and produce a major project, from inception to completion, including evaluation and feedback. *CIP 520211*

•TECHNICAL WRITING

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	\$ *Senior English©

Students will use computers to produce properly formatted instructions, memorandums, business letters, visual aids, technical reports, progress reports, recommendation reports, proposals and other forms of technical communication. Students will practice the writing process (prewriting, writing, revising and re-writing). Proper grammar usage, spelling, and punctuation will be emphasized. This course will be offered in the Business Academy (see Business Academy description).
CIP 231101

•VISUAL COMMUNICATIONS (Internet Academy Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	None©

Students will learn basic graphic layout composition that can be applied to many media, including web design, magazine, and visual art design. Students will learn the basics of visual design by completing assignments that require them to arrange images, using basic design layout techniques and text in an organized and visually stimulating composition.
CIP 100290

•WEB DESIGN

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	© \$

Students will learn fundamental skills to produce written content for the Internet. Students will complete projects using basic/intermediate HTML language and web publishing software such as Dreamweaver CS5, Fireworks CS5, and Flash CS5. Students may be able to earn college credit upon successful completion of this course.
CIP 110801

•YEARBOOK PRODUCTION (Publishing)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Teacher Permission Application Process	*Sr Eng or Fine Arts ©

In this course students will work cooperatively to publish the school yearbook. Students will learn industry publishing skills in layout design, copyrighting skills, and introductory photography skills. Using specific publishing software programs, students will work individually and in groups to produce quality publishing work. Time beyond the class day is required.
CIP 0910

CAREER AND TECHNICAL EDUCATION DEPARTMENT

FAMILY AND CONSUMER SCIENCE

•CHILD DEVELOPMENT 1

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	© 🚗

This course provides opportunities for students to analyze principles of human growth and development from prenatal to 8 years of age. Students analyze conditions that influence children in various ages and stages, including issues of nutrition, safety, guidance and discipline, and child abuse. Through a practicum experience, students practice age appropriate strategies with preschool age children. Students may be able to earn college credit upon successful completion of this course.

CIP 190706, 190701

•CULINARY ARTS FOUNDATIONS

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	©

This course focuses on the general study of cooking and related culinary arts. Included is instruction in food preparation; cooking techniques; equipment operation and maintenance, sanitation and safety, communication skills, applicable regulations, and principles of food service. *CIP 120500*

•FAMILY HEALTH

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	© *Health

This course focuses on demonstration of wellness practices that enhance individual and family well-being. Students will analyze strategies to manage resources for responsible life-style decisions. Students should exit this class having developed personal health, fitness and nutrition plans and goals relating to a variety of topics: alcohol/drug abuse prevention, CPR, HIV/AIDs, disease prevention, nutrition and weight management, and sexual decisions.

CIP 190003

•FAMILY PSYCHOLOGY

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Grades 11 & 12	© *Health

This course allows students to analyze functions and expectations of various types of relationships. Communication skills, conflict prevention and resolution, and family leadership skills are topics that students address in individual and group learning activities. Through group process, students explore and demonstrate standards that guide behavior in interpersonal relationships.

CIP 190710

•GRADS (Graduation, Reality and Dual Role Skills)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year long or Semester Course		©

Graduation, Reality And Dual-role Skills (GRADS) is an in-school instructional program for pregnant and parenting students, male and female, grades 9-12. The mission is to promote personal growth, educational competence, and economic self-sufficiency as socially responsible members of society. The objectives are for the students to remain in school, have healthy pregnancies and healthy babies, learn practical parenting and child-development skills, gain orientation to work, set goals toward balancing work and family, and delay subsequent pregnancies.

The Core Body of Knowledge for the curriculum includes:

- ❖ Relationships ⊞ College and Career Ready
- ❖ Economic Independence ⊞ Healthy Prenatal and Neonatal Care
- ❖ Nurturing Healthy Children and Establishing Health Families

CIP Code 190726

CAREER AND TECHNICAL EDUCATION DEPARTMENT

FAMILY AND CONSUMER SCIENCE

•HIGH SCHOOL TO LIFE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	©

Designed for students to make the transition from high school to their post high school choice, this class includes career planning, academic service learning, and financial literacy. Students will work toward completion of the 13th Year Plan as part of the curriculum. Students will learn about the concepts necessary to manage personal finances. Community service participation is required. *CIP 190703*

•INTERIOR DESIGN

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Grades 11 & 12	©

This course offers students the opportunity to integrate knowledge, skills, and practices required for careers in housing, interiors, and furnishings. Students will evaluate housing decisions in relation to available resources and options, and will demonstrate skills in design, blueprint reading, space planning, and visual presentation. Emphasis is on applying principles and elements of design in creating design plans that meet the needs of families.

CIP 190601

•NUTRITION/WELLNESS

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	©

This course focuses on factors that influence nutrition and wellness across the life span. Students learn to evaluate nutritional needs of individuals & families, and to evaluate factors that affect food safety from production through consumption. A variety of lab experiences allow students to demonstrate their ability to handle and use foods in basic recipe preparation. Food Worker Card Certification is available.

CIP 190501

•ON YOUR OWN/SINGLE SURVIVAL

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Grades 11 & 12	©

In this course, students will learn to integrate the multiple life roles and responsibilities in family, work, and community settings. Skills related to consumer decisions, relationships, housing, nutrition and food choices, and careers are the focus of this course. Students will develop group skills in completing projects that simulate living independently after high school.

CIP 190002

•PERSONAL CHOICES

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester course	Grade 9	©

Designed for freshman, this course assist students in learning skills to help them transition into and succeed in the high school environment. The focus of the class will be on career exploration, nutrition and eating disorders, skills for working with children, interpersonal relationships, financial literacy, and a service learning project.

CIP 190001

CAREER AND TECHNICAL EDUCATION DEPARTMENT

FAMILY AND CONSUMER SCIENCE

•PERSONAL FINANCE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	Grades 10, 11 & 12	© *3 rd Year Math

In this course, students will learn to evaluate personal money management practices related to human, economic, and environmental resources. The effective management of current and future financial resources is an emphasis. A variety of learning activities help students to make satisfying short and long-term decisions about using the resources available to them. Standards and competencies address financial goal-setting and strategies: household income, personal asset, and debt management, preventing and resolving potential financial difficulties, and use of public resources. *CIP 190403*

•PROSTART 1st Year (Culinary Arts) (TJHS and Truman Career Academy only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Grades 11 & 12 Nutrition/Wellness & Instructor Permission	©\$ §

The ProStart Program is a 2-year industry-based curriculum that prepares high school students for careers in the restaurant and food service industry. Students gain valuable restaurant and foodservice skills through academic and workplace experiences. Year 1 competencies include: preparing & serving safe food, kitchen basics, foodservice equipment, nutrition, breakfast foods & sandwiches, salads & garnishes, fruits & vegetables, working with people, business math, and controlling foodservice costs. Passing the ProStart Final Exam at the end of the 2-year program results in achievement of an industry-recognized certificate. Students may be able to earn college credit upon successful completion of this course.
CIP 120505

•PROSTART 2nd Year (Culinary Arts) (TJHS and Truman Career Academy only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Grades 11 & 12 Nutrition/Wellness & Instructor Permission	©\$ §

ProStart is a course designed for students who have a career interest in working in the culinary arts and hospitality industry. In Year 2, students will study the history of food service, the lodging industry, the art of service, standard accounting practices, and food preparations such as potatoes & grains, desserts and baked goods, meat, poultry and fish, and soups and sauces. Passing the ProStart Final Exam at the end of the 2-year program results in achievement of an industry-recognized certificate. Students may be able to earn college credit upon successful completion of this course. *CIP 120505*

•TEACHER ACADEMY (FWHS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Grades 11 & 12 Child Development	§ © ☞

This year-long course prepares students to work in the field of education. Through a practicum experience with a mentor teacher in a local elementary school and development of a professional portfolio, students practice and develop competencies in presentation skills and a variety of strategies for working in groups successful graduates of the course are encouraged to return to FWPS when they complete their teaching certificate, and are guaranteed an interview for any applicable teaching positions. *CIP 130101*

CAREER AND TECHNICAL EDUCATION DEPARTMENT

SPORTS MEDICINE & EMT

•EMERGENCY RESPONSE (TJHS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	*Health ©

Upon successful completion of this course, students will leave with a First Responder Certificate of Completion, CPR Card for the Health Care Provider, and lifetime skills in Emergency Response. This course provides students with skills that support attainment of industry certification in the King County Emergency Medical System. Students interact with health care professionals in the occupations of firefighting, paramedic, EMTs and others. Skills in internet information access will be developed to research and explore career opportunities as a Health Care Provider.

CIP 510800

•SPORTS MEDICINE 1st Year (Decatur HS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	First Aid/CPR recommended	§ © *Anat & Phys

In this course, students will learn the basics of anatomy, physiology, biomechanics, kinesiology, general nutrition, and basic athletic training procedures. Instructional materials and activities support attainment of National Safety Council, American Sports Medicine Association, and The National Athletic Trainers' Association industry standards. Lab sessions cover training room operations, taping & wrapping, athletic injury assessment, advanced first aid, use of heat & cold modalities, advanced record keeping, rehabilitation, and time management skills. Also included are job shadow and internship opportunities. Extended hours are required per instructor's specifications.

CIP 510800

•SPORTS MEDICINE 2nd Year (Decatur HS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Sports Medicine 1 st Year Instructor permission	§ © *Anat & Phys

Skills in this course build on those attained in Sports Medicine 1st Year. Students learn rehabilitation strategies, indication and contraindications of modalities, advanced nutrition, mycology (muscle physiology), protocols, and others. A job shadow experience is an integral part of this course.

CIP 510800

•SPORTS MEDICINE 3rd Year (Decatur HS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Sports Medicine 2 nd Year Instructor permission	§ © *Anat & Phys

Skills in this course build on those attained in Sports Medicine 1st Year and 2nd Year. Students exercise physiology and advanced anatomy and physiology concepts. A senior comprehensive project and extended job shadow in a medical field of choice are require. Student leadership activities involve third year students in all aspects of the Sports Medicine and Athletic Training Program.

CIP 510800

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

•ADVANCED AUTOMOTIVE TECHNOLOGY

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
1.0 per semester Full Year, 2 hour block at Decatur	Auto Brakes, Steering, Suspension Auto Electrical	\$ ©

This class offers comprehensive coverage of the NATEF Automotive Engine Repair, Engine Performance, and Heating/Air Conditioning content areas, as well as continuing coverage of Electrical Systems. Students in this course will have the opportunity to perform many different automotive repair tasks, and a large majority of the coursework will be in the Automotive Lab. This course can be taken more than once by qualifying students. Students may be able to earn college credit upon successful completion of this course.

CIP 470604

*Note: The purpose of NATEF/AYES is to improve the quality of instruction by setting standards for the content of instruction, which includes tasks, tools, equipment, hours and instructor qualifications. Program standards are developed based on ASE task lists and are designed to bring training programs to a level at which students are properly trained for entry level into the industry.

•AEROSPACE ENGINEERING (Project Lead the Way: Decatur only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	Introduction to Engineering Design and/or Principles of Engineering	§©*Physics

This Project Lead the Way specialty course helps students expand horizons with projects developed with NASA-aerodynamics, astronautics, space-life sciences, and systems engineering. Students will learn skills in support of engineers and other professionals engaged in developing, manufacturing, and testing aircraft, spacecraft and their systems. Includes instruction in aircraft/spacecraft system technology; design and development testing, prototype and operation testing; instrumentation, test equipment and maintenance report vocabulary. This course is activity-based, project-based, and creates an environment for applying engineering principles in the field of aerospace. *CIP 149998*

•AICE GRAPHIC DESIGN 1st Year (FWHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	Graphic Design 1 st Year Grade 11 or 12	\$ ©* Fine Arts

The student in this Cambridge course will build on the design skills and creative problem solving acquired in prerequisite graphic design course(s). The student will define and implement the process a graphic designer uses to manage and produce a graphic design project, including: planning to meet real time deadlines, research, thumbnails of problem solutions, team leadership, final presentations, modifications of work and preparing computer files. Course work will demonstrate strong knowledge of Art Elements and Principles, as well as hands-on and computer solutions. These may include posters, brochures, package design, book, CD and movie covers to a defined and specific audience. Some illustration will be included. Traditional art materials, and Adobe Creative Suite computer software are the main media by which students will create original designs. *CIP 500402*

AICE GRAPHIC DESIGN 2nd Year (FWHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	AICE Graphic Design 1 st Year Grade 11 or 12	\$ © * Fine Arts

Students in this course will build on the design skills acquired in prerequisite AICE Graphic Design 1st Year course. Student will select a concentration which may include: Graphic Design (i.e. corporate identity, book jackets, CD and movie covers, posters and brochures), Illustration (using traditional art materials), Computer Illustration, or Package Design. *CIP 500402*

AP STUDIO ART 2D

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	Graphic Design or Commercial Photography	\$ © * Fine Arts

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

Students will expand on their knowledge of art concepts and photographic techniques creating a body of work using three aspects of portfolio development-quality, concentration, and breadth. Students will develop a mastery of 2D/photographic design and techniques focusing on an individual plan of action, which demonstrates a range of abilities and versatility. This course emphasizes critical decision-making in the process of creating original plagiarism free work. The course culminates in the submission of an original portfolio for college review. *CIP 500406*

•APPLIED AUTOMOTIVE SERVICE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester course	None	\$ ©

Applied Automotive Service is a course designed to enhance automotive service tasks learned in prior courses with a strong focus on automotive service procedures. The service procedures covered in this course include NATEF tasks from Engine Repair, Engine Performance, Brakes, Steering/Suspension, and Electrical. Students will also complete a safety training program and prepare career readiness documents. This course is available with instructor permission once a student has completed the Automotive Fundamentals course. *CIP 470604*

•AUTOMOTIVE CHASSIS

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester course	Automotive Fundamentals	\$ ©

This class offers comprehensive coverage of the NATEF Automotive Brakes, Steering and Suspension content area. Students will study all types of automotive brake systems, including hybrid regenerative braking. Students will practice all types of brake system repair, including hydraulic system repair and diagnosis. Students will study all types of automotive suspension systems, including a strong focus on wheel alignments. Students will practice all types of automotive steering and suspension repair procedures and diagnosis. (Note: Automotive Brakes, Steering and Suspension AND Automotive Electrical are intended to be taken during the same year, but may be taken in any order.) Students may be able to earn college credit upon successful completion of this course.
CIP 470604

•AUTOMOTIVE ELECTRICAL

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester course	Automotive Fundamentals	\$ ©

This class offers comprehensive coverage of the NATEF Automotive Electrical content area. Students will learn basic electrical principles and electrical safety. Students will learn complete electrical system fundamentals and diagnosis. Students will perform extensive electrical diagnostic work in a lab setting. (Note: Automotive Brakes, Steering and Suspension AND Automotive Electrical are intended to be taken during the same year, but may be taken in any order.) Students may be able to earn college credit upon successful completion of this course.
CIP 470604

•AUTOMOTIVE FUNDAMENTALS

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester course	None	\$ ©

This is the first class in the automotive technology sequence, and introduces students to safety, automotive tools and equipment, and basic automotive principles. The hands-on lab activities include automotive service and maintenance tasks, such as tire repair, belt and hose service, scan tool usage, fluid service, battery and electrical system testing, and complete vehicle inspections. This class also covers automotive history as well as future technologies including hybrids and fuel cell technology. *CIP 470604*

•CAPP (Construction Apprenticeship Preparation Program) 1st Year (TJHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester	Freshman status	\$ ©

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

Students in this course will develop proficiency skills in the areas of carpentry and manufacturing, and will attain skills that support entry into the carpentry apprenticeship program. This course also provides students with job-related skills including leadership, working conditions, attitudes, and safety standards. .

The 4-year CAPP curriculum includes: Basic safety, OSHA & WISHA standards, generic work skills, group & individual problem solving, carpentry math, linear measurement, tools, & gauges, hand tools, and work ethics. Projects will be chosen to incorporate floor & wall framing styles, materials & fasteners, design technology & drafting, and door installation. A one-week internship at an apprenticeship program will culminate the program. Students may be able to earn college credit upon successful completion of this course. *CIP 460000*

•CAPP (Construction Apprenticeship Preparation Program) 2nd Year (TJHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester	CAPP 1 st Year	\$ ©

See description for IND 921/922

•CAPP (Construction Apprenticeship Preparation Program) 3rd Year (TJHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester	CAPP 2 nd Year	\$ ©

See description for IND 921/922

•CAPP (Construction Apprenticeship Preparation Program) 4th Year (TJHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester	CAPP 3 rd Year	\$ ©

See description for IND 921/922

CALLIGRAPHY

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester	None	©*Fine Arts

This course is designed to cover a variety of alphabet styles with an emphasis on italics. It will explore how calligraphy has been historically and culturally used as an art and communication form. An examination of typography design and its tools and applications to visual communication and the commercial art world will be investigated. Second semester students will learn a series of alphabet styles with an emphasis on independent learning of style similarities and function. Students will explore development of person type design and its application to current graphic industry in font development, business logo and icon design. Exposure to type professionals and venues will be provided. *CIP 500402*

•COMMERCIAL PHOTOGRAPHY 1st Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester-ART or .5 per semester-VOC	None	©*Fine Arts \$

This class is an introduction to photography through the digital camera. Students engage in hands-on projects with modern digital cameras while gaining an understanding of the basic principles of today's photographic technology. Students will acquire basic image processing skills using Adobe Photoshop, emphasizing the techniques of basic color adjustments and resolution management. . Students may be able to earn college credit upon successful completion of this course.

CIP 500406

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

•COMMERCIAL PHOTOGRAPHY 2nd Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester-ART or .5 per semester-VOC	Comm Photo 1 st Year	©*Fine Arts \$

Students in the 2nd Year class build upon the skills of the Basic course through greater exploration of the digital medium. The projects in the course utilize more advanced Adobe Photoshop skills that reflect high quality images in a variety of photographic styles. Culminating projects emphasize the creation of a print portfolio that demonstrates both photographic and digital processing skills
CIP 500406

•COMMERCIAL PHOTOGRAPHY 3rd Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester-ART or .5 per semester-VOC	Comm Photo 2 nd Year	©*Fine Arts \$

The 3rd Year Course in Commercial Photography places emphasis upon the creation of a body of work that may be used to further the student's interest and potential career in the field of visual communication. The final project will be a print and/or digital portfolio that may be used in both a commercial capacity or as a vehicle for entry into specialized areas of study following High School.
CIP 500406

•DESIGN AND APPLIED ART (TJHS & FWHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	©*Fine Arts \$

A foundational art course designed to give students the opportunity to explore various visual art forms and techniques as well as a framework for a career in the visual arts. Students will be introduced to traditional drawing and painting media as well as sculpture and installation art. Students are encouraged to develop personal style, theme and idea development as well as build their portfolio and pitch presentations. Principles of Design are used in every project and students are encouraged to respond in written and spoken critiques that develop critical thinking and ownership. As this is a project-based class, students will learn to pace their work load and work individually, as well as in industry-like teams.
CIP 500499

•DRAFTING & DESIGN TECHNOLOGY 1st Year (Todd Beamer HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	©

ANSI standards are used in this course to prepare students for careers related to drafting and design. The student will learn board draftsman skills in the areas of instrument use, lettering, sketching, three-view drawing, isometric and oblique viewpoints, dimensioning, and working drawings. The basic elements of AutoCAD drawing will be covered. This course is the gateway course for pre-engineering. Students may be able to earn college credit upon successful completion of this course. CIP 151301

•DRAFTING & DESIGN TECHNOLOGY 2nd Year (Todd Beamer HS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Drafting & Design Technology 1 st Year	©

In the second year course, students build upon skills learned in the first year, including additional software programs and more complex projects. Advanced levels of AutoCAD drawing are covered. This course is a gateway course for many engineering-related occupations. Students may be able to earn college credit upon successful completion of this course.
CIP 151301

•FORENSIC SCIENCE

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course (Lab Science)	Biology EOC or Chemistry	© \$ *Lab Sci §

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Major themes of study in this course are pathology, anthropology, odontology, ballistics, trace evidence, biological fluids, DNA, fingerprints, impressions, psychology/psychiatry, and questioned documents. *CIP 430106*

•GRAPHIC DESIGN 1st Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	None	© \$ *Fine Arts

This exploratory course provides students with a basic knowledge of the design process that meets higher education and industry standards. Students will apply the process to create visual solutions that communicate a specific message for a defined and specific audience. Students will work in teams to develop timelines and meet deadlines. This is a project -based curriculum; students design and produce a variety of printed items for the school using the same computer software commonly found in the Graphic Design Industry. Students may be able to earn college credit upon successful completion of this course. *CIP 500402*

•GRAPHIC DESIGN 2nd Year

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Graphic Design 1 st Year	© \$ *Fine Arts

The second year student will build on the design skills acquired in Graphics 1-2. Higher level skills practiced include project team leadership, coordinating & managing multiple projects to meet real time deadlines, and dealing with clients to market design skills in a competitive environment. Students will navigate through options to articulate to higher education and seek a job. Topics including research, resumes, portfolios and job interviews are discussed and practiced. Students may be able to earn college credit upon successful completion of this course. *CIP 500402*

•IB VISUAL ARTS (TJHS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Graphic Design 1 st Year	© \$ *Fine Arts

Students will learn art concepts and techniques. Exploration of the aesthetic of visual arts, relationships between form and the social and cultural functions of visual arts will be explored. Students will research working artists, to develop an understanding of career possibilities, do wide ranging personal research of a more experimental nature, form and content. Students visit local art museums, culture, and artists. This class is designed for the IB student working toward an IB Art Certificate or full IB diploma. The class is ideal for any creative student with an interest in exploring commercial art careers. Students who are motivated to work hard and able to read and write at grade level can be successful in this class. Students may be able to earn college credit upon successful completion of this course. *CIP 500402*

•INTRODUCTION TO ENGINEERING DESIGN (Project Lead the Way—Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	None	©

This course is the foundation course for Project Lead the Way, a nationally recognized pre-engineering program. Students will learn problem-solving skills using a design development process. Models of product solutions are created, analyzed, and evaluated using solid modeling computer design software. Emphasis is placed on analyzing solutions and communicating ideas to others. *CIP149991*

•JEWELRY 1st Year (Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	None	© \$ *Fine Arts

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

This course is designed to provide the student with basic knowledge in the production and design of jewelry utilizing various materials including: metals, gemstones, plastics, glass, found objects and other traditional as well as non-traditional materials. The student will learn basic jewelry design and techniques including: soldering, fabrication, polishing and finishing, stone setting and casting. In this class, the student will learn the elements of art in relationship to jewelry and be exposed to industry practices that are used in jewelry careers. *CIP 500402*

•JEWELRY 2nd Year (Decatur HS Only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	Jewelry 1 st Year	© \$ *Fine Arts

This course is designed to continue and build upon the basic knowledge acquired by the student in Jewelry 1st Year. The student will focus on refining the basic techniques and design concepts introduced in the beginning class. The student will also learn advanced jewelry techniques including: reticulation, metal layering, bi-metal design, advanced stone setting, including prong, channel, bead and gypsy setting techniques. The course will also focus on entrepreneurship principles of managing your own business and employment opportunities. *CIP 500402*

•METALS/MANUFACTURING

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	© \$

This program is designed to enable students to learn entry-level skills in several areas of metal work including work on sheet metal, metal lathes, several types of welding processes, and pattern making. Special emphasis is placed on individual problem-solving. The course provides job-related skills including leadership, working conditions, attitudes, and safety standards.
CIP 480508

•POTTERY 1st Year (Commercial Art)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	None	© \$*Fine Arts

Student develop skills and learn about: making and using clay, slip, stains, glazes, and plaster; building clay forms by various hand building techniques; decorating clay surfaces with slips, stains and glazes; using tools and equipment; loading, firing and unloading kilns. Originality, good design and craftsmanship and emphasized. Demonstrations and visual materials will explore functional and non-functional pottery art styles and their uses. Students will be exposed to job opportunities and clay art specialists.
CIP 500402

•POTTERY 2nd Year (Commercial Art)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong Course	Pottery 1 st Year	© \$*Fine Arts

Students expand skills and knowledge learned in 1st Year Pottery by: learning advanced techniques in clay form building and decorating; learning to throw and trim forms by using the potter's wheel' learning to sculpture reliefs and in the round by using clay, learning more about using materials, tools and equipment. Emphasis will be placed on the student's individual work and originality of design as it relates to function. Careers in clay will be explored. Opportunities to view ceramic art, its application, dialogue with guest speakers and the expanding fields of pottery will be emphasized. *CIP 500402*

•POTTERY 3rd Year (Commercial Art)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Pottery 2 nd Year	© \$*Fine Arts

Students expand skills and knowledge learned in Pottery 1 & 2. Students and teacher will plan, design and develop an advanced individualized plan of learning. Originality, good design and craftsmanship are emphasized. Students will be expected to have a final

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

group of work which reflects a central theme. They will have a student-led presentation following a rubric of evaluation which will include their work and research done reflective of an area of pottery which interests them. *CIP 500402*

•PRINCIPLES OF ENGINEERING (Project Lead the Way: Decatur only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Yearlong course	Introduction to Engineering	©*Physics

Students in this course will explore technology systems and manufacturing processes. The curriculum addresses the social and political consequences of technological change. The integration of math and science skills with engineering principles prepares students for college majors in engineering and engineering/technology fields. This course is activity-based, project-based, and problem-based, and creates an environment for applying engineering concepts to real problems. *CIP 149992*

•SCULPTURE (Decatur HS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	Grades 11 and 12 Drawing or Elements of Art Class	© \$*Fine Arts

Student will explore the three-dimensional art process through a variety of construction materials and techniques which may include wire, plaster, wood, clay, and found objects. The art student will be encouraged to explore personal and creative discovery. They will be exposed to current and historical artists and their work, and the fundamental elements of sculpture, idea, form, and technical means of construction, transportation and installation. Exposure to three-dimensional artists, and career opportunities for three-dimensional art in public places will be explored. *CIP 500402*

•TECHNOLOGY FOUNDATIONS (Todd Beamer HS only)

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	© \$

In this course engineering principles are learned through hands on activities while working in a team performing laboratory experiments and computer guided lessons in the classroom. 50% of the time is spent in lab activities which allow students to apply principles of engineering to real life situations. The other 50% is spent through computer guided lessons. Seven areas of engineering are covered: Transportation Technology, Digital Electronics, Manufacturing Technology, Alternative Energy, Construction Technology, Multimedia, and Architectural Design. *CIP 210198*

•TELEVISION PRODUCTION

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	©

Students will produce a daily television broadcast that incorporates group and individual projects. They will perform all duties of a television production crew including writer, producer, director, editor, anchor, and camera operator. Additionally, students will film, edit, and produce a semester project requiring application of reading strategies for interpreting technical and non-technical documents used in job-related settings.

CIP 100202

•VIDEO PRODUCTION/MULTIMEDIA

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Semester Course	None	\$©

22	1.0 credits = 2 semesters \$ = Fee may apply for special projects ☞ = Provide own transportation	§ = Instructor/Counselor/Principal permission += Physical Exam recommended HL = Higher Level Course	©= Satisfies occupational education requirement *= Crossover equivalent in another subject area SL = Standard Level Course
-----------	--	---	--

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

Students in this class will learn the language of video production. Students will research ideas, write scripts, produce storyboards, videotape and edit for a variety of projects. Articulation and communication are emphasized in this team-based class. After initial communication exercises, teams of students will develop and produce public service announcements and advertising pieces. Media literacy is discussed and incorporated into the assignments. Students learn the ways media can manipulate an audience to become savvy consumers. Because computer proficiency is now a necessary basic skill, this one semester course is an excellent introduction to the computer and management skills needed to enter this rapidly changing field.

CIP 100202

•WOODWORKING

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester	None	\$©
Semester Course		

This program is designed to enable students to learn entry-level skills in several areas of fine woodworking. Special emphasis will be placed on individual problem-solving skills. Students will be introduced to various areas of craftsmanship including: joinery, machining, and finishing techniques. This course provides job-related skills including leadership, working conditions, attitudes, and special emphasis on safety practices. *CIP 480701*

•WORK BASED LEARNING (Cooperative Work Experience)

Credit: .5 per semester or variable according to hours worked; All WBL courses qualify for Occupational Ed credit.

See Workbased Learning Coordinator for information

Students must provide their own transportation to the workplace.

A learning experience in which the student has completed (or is currently enrolled in) a Career & Technical Education course and works in a related occupation. A passing grade is required in the qualifying CTE course. Students may receive .5 credits per semester for 180 hours of work or 1.0 credit for 360 hours of work in the community. Please see the school Work Based Learning Coordinator for permission and documentation to enroll.

Family & Consumer Science

Culinary Coop 1	was PER/CUL SERV CO	cip 128888
Culinary Coop 2		
Education Coop 1	was CAREER IN ED CO	cip 138888
Education Coop 2		
ASL/SLI Coop 1	was SIGN LNG INT CO	cip 168888
ASL/SLI Coop 2		
FACS Coop 1	was FACS CO-OP	cip 198888
FACS Coop 2		

Health Sciences Careers/Sports Med/EMT

Hlth Sci Coop 1	was HLTH SCI CO-OP	cip 518888
Hlth Sci Coop 2		

Technology & Industry

Jourlnism Coop1	was JRNL/COMM CO-OP	cip 098888
Jourlnism Coop 2		
Comm Tech Coop 1	was COMM TECH CO-OP	cip 108888
Comm Tech Coop 2		
Info Tech Coop 1	was INFO TECH CO-OP	cip 118888
Info Tech Coop 2		

1.0 credits = 2 semesters

\$ = Fee may apply for special projects

☞ = Provide own transportation

§ = Instructor/Counselor/Principal permission

+ = Physical Exam recommended

HL = Higher Level Course

© = Satisfies occupational education requirement

* = Crossover equivalent in another subject area

SL = Standard Level Course

CAREER AND TECHNICAL EDUCATION DEPARTMENT

CO OPERATIVE WORK EXPERIENCE

Engr Tech Coop 1	was ENG TECH CO-OP	cip 158888
Engr Tech Coop 2		
Constr Coop 1	was CONS TRADE COOP	cip 468888
Constr Coop 2		
Mechanics Coop 1	was MECH/REPR CO-OP	cip 478888
Mechanics Coop 2		

Business & Marketing

Info Tech Coop 1	was INFO TEHC CO-OP	cip 118888
Info Tech Coop 2		
Bus Ed Coop 1	was BUS ED CO-OP	cip 528888
Bus Ed Coop 2		
Mktg Ed Coop 1	was MRKT ED CO-OP	cip 528888
Mktg Ed Coop 2		

Agriculture/Horticulture

Agried Coop 1	was AGR EDUC CO-OP	cip 018888
Agried Coop 2		