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# CAREER AND TECHNICAL EDUCATION DEPARTMENT

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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 essential learnings 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: Tech Prep is the name for courses for which students may receive college credit in CTE classes. It is the CTE equivalent of Running Start. Tech Prep is a college-in-the-high school program that combines high school and community/technical college classes into a unified course of study. Tech Prep gives high school students a solid start in earning a community/technical college certificate or degree. Tech Prep provides an opportunity to earn free college credit while in high school. Students who complete a Tech-Prep class in their high school will receive a community/technical college transcript. Participating colleges include: **Highline Community College, Green River Community College, South Seattle Community College and Renton Technical College.** Students must earn a B or better grade.
- 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) WCTSMSA (Washington Career & Technical Sports Medicine Association) and SkillsUSA.
- CTE courses are representative of 16 Career Clusters:

- \*Agriculture, Food & Natural Resources
- \*Architecture & Construction
- \*Arts, A/V Technology & Communications
- \*Business, Management & Administration
- \*Education & Training
- \*Finance
- \*Government & Public Administration
- \*Health Science

- \*Hospitality & Tourism
- \*Human Services
- \*Information Technology
- \*Law, Public Safety, Corrections & Security
- \*Manufacturing
- \*Marketing, Sales & Service
- \*Science, Technology, Engineering & Math (STEM)
- \*Transportation, Distribution & Logistics

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING

### •GARDEN SCIENCE 1-2 (Truman Career Academy Only)

**SCI 869/870**

Credits

Prerequisite

Special Information

.5 per semester

None

\*Science/CTE

Year Course

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 1-2 (Decatur HS Only)

**AGR861/862**

Credits

Prerequisite

Special Information

.5 per semester

None

\*Science

Year Course

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 011103*

### •HORTICULTURE 3-4 (Decatur HS Only)

**AGR863/864**

Credits

Prerequisite

Special Information

.5 per semester

Horticulture 1-2

\*Science

Year Course

Instructor Permission

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 011103*

### •HORTICULTURE 5-6 (Decatur HS Only)

**AGR865/866**

Credits

Prerequisite

Special Information

.5 per semester

Horticulture 3-4

\*Science

Year Course

Instructor Permission

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.

*CIP 010608*

### •HORTICULTURE 7-8 (Decatur HS Only)

**AGR867/868**

Credits

Prerequisite

Special Information

.5 per semester

Horticulture 3-4

\*Science

Year Course

Instructor Permission

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.

*CIP 010608*

### •HORTICULTURE 9-10 (Independent Study-Decatur HS Only)

**AGR869/870**

Credits

Prerequisite

Special Information

.5 per semester

Horticulture 1-2

\*Science

Year Course

Instructor Permission

<b>2</b>	1.0 credits = 2 semesters \$ = Fee, materials dues ☞ = 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
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# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING

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This course is for students who have successfully completed Horticulture 1-2 and want to have a unique off-campus experience in a Horticulture business. Required skills are: self discipline, strong self-motivation, and transportation to the field site. Students will exit the program with skills to meet Horticulture Industry Standards.

*CIP 010608*

### •AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 1 & 2

**FLA701/702**

<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 3 & 4

**FLA703/704**

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	ASL/SLI 1-2	§

Building on skills learned in ASL/SLI 1-2, students will gain more in-depth knowledge and skills, and will work toward achieving industry standards for a career as a sign language interpreter. Increased interaction in the deaf community is emphasized. See instructor for information on college credit availability.

*CIP 161603*

### •AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 5 & 6

**FLA705/706**

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	ASL/SLI 3-4	§

Students continuing in the 3<sup>rd</sup> 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 7 & 8

**FLA709/710**

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	ASL/SLI 5-6	§

Offered on an independent study basis by instructor agreement, this course 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.**

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# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## BUSINESS EDUCATION/MARKETING EDUCATION

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### •A+ CERTIFICATION: PC Hardware & Software (TJHS Only)

**IND660/662**CreditsPrerequisiteSpecial Information

.5 per semester  
Year Course

Microsoft Office Specialist 1  
Instructor Permission

© \$

Students will learn how to build, configure, and troubleshoot a computer. This course will prepare students for the A+ Certification test. A+ Certification is a testing program sponsored by Computer Technology Industry Association (CompTIA) that certifies the competency of service technicians in the computer industry. Upon completion, students are encouraged to take the A+ Hardware certification test. Students may earn Tech Prep college credit upon successful completion of this course. Students will learn various operating systems. Specifically, the training will be in the DOS and Windows System environments. This course will prepare students for the A+ Certification. The A+ Certification is a testing program sponsored by Computer Technology Industry Association (CompTIA) that certifies the competency of service technicians in the computer industry. Upon completion, students are encouraged to take the A+ PC Operating Systems certification test. Students may earn Tech Prep college credit upon successful completion of this course. CIP 470104

### •AP MACRO ECONOMICS (Todd Beamer HS Only)

**SOC795/796**CreditsPrerequisiteSpecial Information

1.0 per semester  
Year Course (semester in length at TBHS)

None

AP Macroeconomics is a college level course that focuses on the larger aspects of the American economic system and its relationship to the global economy. Topics focus on how these large elements work together to create the American economy. Students will develop content specific vocabulary, use graphs, mathematics functions, work-based skills, historical and philosophical concepts to understand macroeconomics which are applicable to workplace skills.

CIP 450601

### •ACCOUNTING 1 & 2

**BUS701/702**CreditsPrerequisiteSpecial Information

.5 per semester  
Year Course

None

\*Post-WASL 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 earn Tech Prep college credit upon successful completion of this course.

CIP 520301

### •ACCOUNTING 3 & 4

**BUS703/704**CreditsPrerequisiteSpecial Information

.5 per semester  
Year Course

Accounting 1 &amp; 2

\*Post-WASL 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 earn Tech Prep college credit upon successful completion of this course.

CIP 520301

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## BUSINESS EDUCATION/MARKETING EDUCATION

### •APPLIED MATH 1-2 (First Year)

**MTH 825/826**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course

None

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*

### •APPLIED MATH 3-4 (Second Year)

**MTH 827/828**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course

Applied Math 1-2

Year 2 focuses more intensively on the skills of Algebra and Geometry using the same contextual teaching approach that emphasizes the application of skills to everyday practical problems. The mathematical content completes all areas required by the State for 10<sup>th</sup> Grade Mathematical Expectations. The course reinforces the content and skills required Washington State Math Assessment and Federal Way Course Assessments *CIP 270301*

### •BUSINESS COMMUNICATIONS

**BUS996**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Digital Information Processing  
or concurrently enrolled

© \$ \*Sr Eng

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

**BUS727**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

None

\*Senior Social Studies © \$

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*

### •BUSINESS MATH

**BUS737**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

None

\*Post-WASL 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 earn Tech Prep college credit upon successful completion of this course.

*Math cross-over credit will not meet the math requirements for admission to a four-year college/university.*

*CIP 279998*

1.0 credits = 2 semesters

\$ = Fee, materials dues

☞ = 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

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# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## BUSINESS EDUCATION/MARKETING EDUCATION

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### •BUSINESS PRINCIPLES

**BUS747**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

None

\*Senior 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.

CIP 520000

### •CAREER CHOICES 1-2

**BUS761/762**

Credits

Prerequisite

.5 per semester  
Semester 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

### •DIGITAL COMMUNICATION TOOLS 1

**BUS851**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

None

© \$

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 may earn Tech Prep college credit upon successful completion of this course.

CIP 110601

### • DIGITAL COMMUNICATION TOOLS 2

**BUS861**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Digital Communication Tools 1

© \$

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 & MARKETING 3-4: (TJ Only: See MARKETING MANAGEMENT 3 & 4 below)

**BUS807/808**

Credits

Prerequisite

Special Information

.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

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## BUSINESS EDUCATION/MARKETING EDUCATION

Prep college credit with a grade of B or better in this course. This course will fulfill the senior social studies graduation requirement. *CIP 521401*

### •INTRODUCTION TO MARKETING 1-2

Credits

.5 per semester  
Semester Course

Prerequisite

None

**BUS771/BUS772**

Special Information

© \$

This course is designed for students who want a first look at the world of marketing. Marketing 1 will address the marketing role in a healthy economy, entrepreneurship, personal selling, creating marketing plans, marketing segmentation and the promotional mix. Marketing 2 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 earn Tech Prep college credit with a grade of B or better in this course. *CIP 521400*

### •INTRODUCTION TO FASHION MARKETING 1-2

Credits

.5 per semester  
Semester Course

Prerequisite

None

**BUS 779/780**

Special Information

© \$

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*

### •MARKETING MANAGEMENT 3-4

Credits

.5 per semester  
Semester Course

Prerequisite

Intro to Marketing 1-2 OR Fashion Mktg  
OR Intro to Fashion Mktg OR Sports &  
Recreation Mktg

**BUS773/774**

Special Information

© \$ \*Sr Soc Studies

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. Students may earn Tech Prep college credit with a grade of B or better in this course. This course will fulfill the senior social studies graduation requirement. *CIP 521401*

### •MARKETING OPERATIONS/STUDENT STORE 1-2

Credits

.5 per semester  
Semester Course

Prerequisite

Intro to Mktg 1 or 2, Intro to Fashion  
Mktg 1 or 2, or permission

**BUS777/778**

Special Information

© \$

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 earn Tech Prep college credit with a grade of B or better in this course. Students will have the opportunity to participate in DECA activities. *CIP 521801*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## BUSINESS EDUCATION/MARKETING EDUCATION

### •MARKETING: SPORTS AND RECREATION 1-2

**BUS809/BUS 810**

Credits

Prerequisite

Special Information

Year long course

None

This course is designed as a hands-on investigation of the emerging world of Sports and Entertainment Marketing. Defining the marketing basics, Intro 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*

### • OFFICE APPLICATIONS SPECIALIST 1 (MOS 1 Core)

**BUS751**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Digital Information Processing

© \$

Students will learn the competencies necessary to complete the Microsoft Office Specialist (MOS) core test for Word 2000, Excel 2000, PowerPoint 2000, and Access 2000. 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 earn Tech Prep college credit upon successful completion of this course.

*CIP 110620*

### •OFFICE APPLICATIONS SPECIALIST 2 (MOS 2 Expert)

**BUS 752**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Microsoft Office Specialist 1

© \$

Students will learn the competencies necessary to complete the Microsoft Office Specialist (MOS) expert tests for Word 2000, Excel 2000, and Outlook 2000. 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. Students who have not passed MOS certification for Core 1 are encouraged to complete certification in those applications. Upon completion, students are encouraged to take the MOS expert certification tests. Students may earn Tech Prep college credit upon successful completion of this course.

*CIP 110620*

### •PERSONAL FINANCE (FWHS & TRUMAN Only)

**BUS720/721**

Credits

Prerequisite

Special Information

Yearlong course, .5 per semester

Grades 10, 11 & 12

©

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*

### •SPANISH IN THE WORKPLACE 1-2 (Todd Beamer HS only)

**BUS 803/804, FLS 803/804**

Credits

Prerequisite

1.0 credit per semester available in Occ Ed and/or Spanish (variable)  
Yearlong 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. Designed for both Spanish speaking students and those learning Spanish language skills, the program includes instruction in developing a career plan, conducting a job search, identifying job openings, employability skills that require a second language skill, preparing resumes and job applications, managing personal resources, and health and safety concerns. Students are encouraged to participate in a job shadow or internship, during which they will model occupation-specific skills. *Students need to provide their own transportation to the internship site.*

<p><b>8</b> 1.0 credits = 2 semesters \$ = Fee, materials dues ☞ = Provide own transportation</p>	<p>§ = Instructor/Counselor/Principal permission += Physical Exam recommended HL = Higher Level Course</p>	<p>©= Satisfies occupational education requirement *= Crossover equivalent in another subject area SL = Standard Level Course</p>
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# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## BUSINESS EDUCATION/MARKETING EDUCATION

CIP 320107

### •TECHNICAL WRITING

Credits

.5 per semester  
Semester Course

Prerequisite

None

### BUS798

Special Information

\$ \*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)

Credits

.5 per semester  
Semester Course

Prerequisite

None

### BUS 990

Special Information

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 1

Credits

.5 per semester  
Semester Course

Prerequisite

None

### IND690

Special Information

© \$

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 MX, Fireworks MX, and Flash MX. Students may earn Tech Prep college credit upon successful completion of this course.

CIP 110801

### •WEB DESIGN 2

Credits

.5 per semester  
Semester Course

Prerequisite

Web Design 1

### IND691

Special Information

© \$

Students will complete projects using XML, basic/intermediate Java Scripting language, Freehand MX, and advanced features in Flash MX. Students may earn Tech Prep college credit upon successful completion of this course.

CIP 110801

### •YEARBOOK PRODUCTION (Publishing)

Credits

.5 per semester  
Semester Course

Prerequisite

Teacher Permission  
Application Process

### VOC750/751

Special Information

\*Art  
\*Sr English

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

09100

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## FAMILY AND CONSUMER SCIENCE

### •CHILD DEVELOPMENT 1 & 2

Credits

.5 per semester  
Semester Course

Prerequisite

None

**HFL761/762**

Special Information

© ☞

This course provides opportunities for students to analyze principles of human growth and development across the life span. 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 earn Tech Prep college credit in this course.

*CIP 190706, 190701*

### •FAMILY HEALTH

Credits

.5 per semester  
Semester Course

Prerequisite

Grades 11 & 12

**HFL807**

Special Information

© \*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

Credits

.5 per semester  
Semester Course

Prerequisite

Grades 11 & 12

**HFL787**

Special Information

© \*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*

### •HIGH SCHOOL TO LIFE (Career, Community & Family)

Credits

.5 per semester  
Semester Course

Prerequisite

Grade 12

**HFL772**

Special Information

©

Designed for seniors 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 13<sup>th</sup> Year Plan as part of the curriculum. Students will learn about the concepts necessary to manage personal finances. Community service participation is required. **College credit through CWU's Cornerstone Program is available for this course.** *CIP 190703*

### •INTERIOR DESIGN

Credits

.5 per semester  
Semester Course

Prerequisite

Grades 11 & 12

**HFL867**

Special Information

©

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

**HFL797**

10

1.0 credits = 2 semesters  
\$ = Fee, materials dues  
☞ = 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

## FAMILY AND CONSUMER SCIENCE

<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

**HFL967**

<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

**HFL871**

<u>Credits</u>	<u>Prerequisite</u>
.5 per semester Semester course	Grade 9 Required for all freshmen at Decatur

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 interpersonal skills, time management, the 13<sup>th</sup> Year Plan, and portfolio preparation.

*CIP 190001*

### •PERSONAL FINANCE (Decatur only)

**HFL873/874**

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

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 1-2 (Culinary Arts) (TJHS and FWHS and Truman Career Academy only)

**HFL 799/800**

<u>Credits</u>	<u>Prerequisite</u>	<u>Special Information</u>
.5 per semester Year Course	Grades 11 & 12 What's Cooking/Chef School & 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. Students will participate in the operation of a foodservice business and will complete a job shadow in a local food business. Note: ProStart 1-2 and

1.0 credits = 2 semesters  
\$ = Fee, materials dues  
☞ = 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

## FAMILY AND CONSUMER SCIENCE

ProStart 3-4 need NOT be taken in sequence. Passing the ProStart Final Exam at the end of the 2-year program results in achievement of an industry-recognized certificate.

*CIP 120505*

**•PROSTART 3-4 (Culinary Arts) (TJHS and FWHS and Truman Career Academy only)**

**HFL 801/802**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Grades 11 & 12  
What's Cooking/Chef School & 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. Students will participate in running a food-related business and will complete a job shadow or internship in a local food business. Note: ProStart 1-2 and ProStart 3-4 need NOT be taken in sequence. Passing the ProStart Final Exam at the end of the 2-year program results in



achievement of an industry-recognized certificate. *CIP 120505*

**•TEACHER ACADEMY 1-2 (FWHS only)**

**HFL757/758**

Credits

Prerequisite

Special Information

.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. An articulation agreement is in place for this course which allows students to earn Tech-Prep college credit.

*CIP 130101*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## SPORTS MEDICINE & EMT

• **EMERGENCY RESPONSE (TJHS only)**

**HLT708**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

None

Meets Health requirement for Grad.

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 1-2 (Decatur HS only)**

**SCI889/890**

Credits

Prerequisite

Special Information

.5 per semester  
2 Semester Course

First Aid/CPR recommended

§ ©  
\*Science

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, 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 3-4 (Decatur HS only)**

**SCI920/921**

Credits

Prerequisite

Special Information

.5 per semester  
2 Semester Course

Sports Medicine 1-2  
Instructor permission

§ ©  
\*Science

Skills in this course build on those attained in Sports Medicine 1-2. 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 5-6 (Decatur HS only)**

**SCI922/923**

Credits

Prerequisite

Special Information

.5 per semester  
2 Semester Course

Sports Medicine 1-2, 3-4  
Instructor permission

§ ©  
\*Science

Skills in this course build on those attained in Sports Medicine 1-2 and 3-4. 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

### •A+ CERTIFICATION: PC Hardware and Software (TJHS only)

**IND660/662**

Credits

.5 per semester  
Year Course

Prerequisite

Microsoft Office Specialist 1  
Instructor Permission

Special Information

© \$

Students will learn how to build, configure, and troubleshoot a computer. This course will prepare students for the A+ Certification test. A+ Certification is a testing program sponsored by Computer Technology Industry Association (CompTIA) that certifies the competency of service technicians in the computer industry. Upon completion, students are encouraged to take the A+ Hardware certification test. Students may earn Tech Prep college credit upon successful completion of this course. Students will learn various operating systems. Specifically, the training will be in the DOS and Windows System environments. This course will prepare students for the A+ Certification. The A+ Certification is a testing program sponsored by Computer Technology Industry Association (CompTIA) that certifies the competency of service technicians in the computer industry. Upon completion, students are encouraged to take the A+ PC Operating Systems certification test. Students may earn Tech Prep college credit upon successful completion of this course. *CIP 470104*

### •ADVANCED AUTOMOTIVE TECHNOLOGY

**IND773/774**

Credits

1.0 per semester  
Full Year, 2 hour block at Decatur

Prerequisite

Auto Brakes, Steering, Suspension  
Auto Electrical

Special Information

\$ ©  
\*Post-WASL Math, Post-WASL Science  
\*Sr English

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.

*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)

**IND 857/858**

Credits

.5 per semester  
Yearlong course

Prerequisite

Introduction to Engineering Design and/or  
Principles of Engineering

Special Information

§

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 1-2 (FWHS Only)

**IND 866/867**

Credits

.5 per semester  
Yearlong course

Prerequisite

Graphic Design 1-2  
Grade 11 or 12

Special Information

\$ ©

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*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

### AICE GRAPHIC DESIGN 3-4 (FWHS Only)

**IND 868/869**

Credits

.5 per semester  
Yearlong course

Prerequisite

AICE Graphic Design 1-2  
Grade 11 or 12

Special Information

\$ ©

Students in this course will build on the design skills acquired in prerequisite AICE Graphic Design 1-2 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 (Todd Beamer HS and Federal Way HS Only)

**IND875/876**

Credits

.5 per semester  
Yearlong course

Prerequisite

Graphic Design or  
Commercial Photography

Special Information

\$ ©

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*

### •AUTOMOTIVE FUNDAMENTALS

**IND766**

Credits

.5 per semester  
Semester course

Prerequisite

None

Special Information

\$ ©

This is the first class in the automotive technology sequence, and introduces students to safety, tools and equipment, and basic automotive principles. The hands-on lab activities are limited to an oil change, tire repair, and vehicle inspections. This class also covers automotive history as well as future technologies including hybrids and fuel cell technology. *CIP 470604*

### •AUTOMOTIVE BRAKES, STEERING AND SUSPENSION

**IND771**

Credits

.5 per semester  
Semester course

Prerequisite

Automotive Fundamentals

Special Information

\$ ©

\*Post-WASL Math, Post-WASL Science  
\*Sr English

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.)

*Math cross-over credit will not meet the math requirements for admission to a four-year college/university..*

*CIP 470604*

### •AUTOMOTIVE ELECTRICAL

**IND772**

Credits

.5 per semester  
Semester course

Prerequisite

Automotive Fundamentals

Special Information

\$ ©

\*Post-WASL Math, Post-WASL Science  
\*Sr English

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.)

*Math cross-over credit will not meet the math requirements for admission to a four-year college/university..*

*CIP 470604*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

### •CAPP (Construction Apprenticeship Preparation Program) 1-2 (TJHS Only)

**IND921/922**

Credits

.5 per semester

Prerequisite

Freshman status

Special Information

\$ ©

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. Students will enroll concurrently in math and language arts courses that provide contextual, integrated instruction relating to construction. 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. Course standards are aligned with South King County Tech Prep Consortium, making college credit available upon completion. *CIP 460000*

### •CAPP (Construction Apprenticeship Preparation Program) 3-4 (TJHS Only)

**IND923/924**

Credits

.5 per semester

Prerequisite

IND 921/922

Special Information

\$ ©

See description for IND 921/922

### •CAPP (Construction Apprenticeship Preparation Program) 5-6 (TJHS Only)

**IND925/926**

Credits

.5 per semester

Prerequisite

IND 923/924

Special Information

\$ ©

See description for IND 921/922

### •CAPP (Construction Apprenticeship Preparation Program) 7-8 (TJHS Only)

**IND927/928**

Credits

.5 per semester

Prerequisite

IND 925/926

Special Information

\$ ©

See description for IND 921/922

### COMMERCIAL ART/Calligraphy

**ART787/788**

Credits

.5 per semester (Semester or year course)

Prerequisite

Calligraphy 1 is a prerequisite for Calligraphy 2  
Student must purchase calligraphy pen and nibs

Special Information

©

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*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

### •Beginning COMMERCIAL PHOTOGRAPHY 1-2

**IND 880/881**

Credits

.5 per semester-ART or  
.5 per semester-VOC

Prerequisite

None

Special Information

\* \$

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.

*CIP 500406*

### •Intermediate COMMERCIAL PHOTOGRAPHY 1-2

**IND 882/883**

Credits

.5 per semester-ART or  
.5 per semester-VOC

Prerequisite

Beg Comm Photo 1-2

Special Information

\* \$

Students in the Intermediate 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*

### •Advanced COMMERCIAL PHOTOGRAPHY 1-2

**IND 884/885**

Credits

.5 per semester-ART or  
.5 per semester-VOC

Prerequisite

Intermediate Comm Photo 1-2

Special Information

\* \$

The Advanced 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*

### •CONSTRUCTION/MANUFACTURING TECHNOLOGY

**IND897**

Credits

.5 per semester  
Year Course

Prerequisite

None

Special Information

\$ ©

Students in this course will develop proficiency skills in the areas of carpentry, cabinet making and manufacturing, and will attain skills that support entry into the carpentry apprenticeship program. Individual and group problem solving activities are incorporated into the course to achieve competency in carpentry math, measuring tools, hand tools, blue print basics, materials, fasteners, hardware, and others. This course also provides students with job-related skills including leadership, working conditions, attitudes, and safety standards. Tech Prep college credit is available in this course.

*CIP 460201*

### •DRAFTING & DESIGN TECHNOLOGY 1-2

**IND901/902**

Credits

.5 per semester  
Year Course

Prerequisite

None

Special Information

© \*Post-WASL Math

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. Tech Prep college credit is available in this course.

*CIP 151301*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

### •DRAFTING & DESIGN TECHNOLOGY 3-4 (Todd Beamer HS only)

**IND903/904**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course

None

© \*Post-WASL Math

Tech Prep college credit is available in this course.

*CIP 151301*

### •FORENSIC SCIENCE (TJHS only)

**SCI 580/581**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course (Lab Science)

Post-WASL  
Chemistry

© \$ \* §

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.

### •GRAPHIC DESIGN INTRODUCTION 1-2

**IND871/872**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course

None

© \$ \*

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. Tech Prep Credit is available in this class

*CIP 500402*

### •GRAPHIC DESIGN 3-4

**IND873/874**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course

Graphic Design 1-2

© \$ \*

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. Tech prep credit is available in this course.

*CIP 500402*

### •IB VISUAL ARTS: (TJHS Only)

**ART 671/672**

Credits

Prerequisite

Special Information

.5 per semester  
Year Course

Graphic Design 1-2

© \$ \*

Students will be introduced to art concepts and techniques through practical work in the studio. Exploration of the aesthetic qualities of visual arts, the relationships between form and meaning in the visual arts, and the social and cultural functions of visual arts will be explored in an investigative workbook and supported by studio work. Students will research working artists, past and present, to develop an understanding of career possibilities. Students will also do wide ranging personal research, which is of a more experimental nature, but also concerned with form and content. Students will be expected to explore local art museums, local art culture, and area artists. This class is designed to work for the IB student working toward an IB Art Certificate or the full IB diploma. This 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. Art fee and workbook/sketchbook are required. *CIP 500402*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

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

**IND863/864**

Credits

Prerequisite

Special Information

.5 per semester  
Yearlong Course

None

This course is the foundation course for Project Lead the Way, a nationally recognized per-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 1-2 (Beginning) (Decatur HS Only)

**IND501/502**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

None

© \$ \*

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 3-4 (Advanced) (Decatur HS Only)

**IND503/504**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Jewelry 1-2 (Beginning)

© \$ \*

This course is designed to continue and build upon the basic knowledge acquired by the student in Beginning Jewelry. 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

**IND907**

Credits

Prerequisite

Special Information

.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 vertical mills, metal lathes, foundry, 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. Tech prep college credit is available in this course.

*CIP 480508*

### •POTTERY 1 (Commercial Art)

**ART961**

Credits

Prerequisite

Special Information

.5 per semester  
Semester Course

Grades 11 and 12

© \$

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*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

### •POTTERY 2 (Commercial Art)

Credits

.5 per semester  
Semester Course

Prerequisite

Grades 11 and 12  
Pottery 1 with B grade or better recommended

### ART962

Special Information

© \$

Students expand skills and knowledge learned in Pottery 1 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 3, 4, 5, & 6 (Commercial Art)

Credits

.5 per semester  
Semester Course

Prerequisite

Grades 11 and 12  
Pottery 1 & 2 with B grade or better recommended

### ART 963, 964, 965, 966

Special Information

© \$

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

Credits

.5 per semester  
Yearlong course

Prerequisite

### IND 859/860

Special Information

©

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*

### •PRINCIPLES OF TECHNOLOGY 1-2 (Todd Beamer HS only)

Credits

.5 per semester  
Semester Course

Prerequisite

None

### SCI657/658

Special Information

© \$

In this course, scientific principles are learned through hands-on activities and laboratory experiences. Seven major areas are covered: force, work, rate, resistance, energy, power, and force transformers. 50% of the time is spent in lab activities which allow students to apply scientific principles to real life situations. Students need a good mathematics background in Algebra 1-2 to be successful in this course. Second semester students may develop several working robotics projects that apply specific engineering principles. Tech Prep college credit is available in this course. *CIP 400891*

### •RADIO BROADCAST 1-2 (Todd Beamer HS only)

Credits

1.0 per semester  
Semester/Year Course

Prerequisite

None

### IND886/887

Special Information

This is a performance-based class where students will learn all aspects of the radio field and put those skills to use in the development of streaming audio programs created both live and pre-recorded. Primary focus will be place on writing and performance preparation, voice use, technical skills for both live and recorded pieces, business skills, and professionalism. Additionally, students will produce various projects of differing lengths which could be used in job-related settings. Students, upon meeting standards on all skills, will produce a daily live radio broadcast. *CIP 100202*

# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## TRADES AND INDUSTRY

### •SCULPTURE 1 (Decatur HS only)

Credits

.5 per semester  
Semester Course

Prerequisite

Grades 11 and 12  
Drawing or Elements of Art Class

**ART 980**

Special Information

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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*

### •TELEVISION PRODUCTION

Credits

.5 per semester  
Semester Course

Prerequisite

None

**VAP 707/708**

Special Information

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

Credits

.5 per semester  
Semester Course

Prerequisite

None

**IND878**

Special Information

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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

Credits

.5 per semester  
Semester Course

Prerequisite

None

**IND 991**

Special Information

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*

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# CAREER AND TECHNICAL EDUCATION DEPARTMENT

## CO OPERATIVE WORK EXPERIENCE

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•**WORK BASED LEARNING (Cooperative Work Experience)**

Credit: .5 per semester or variable according to hours worked  
 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 grade of B or better is required in the qualifying CTE course. Students may receive a maximum of .5 credits per semester for 180 hours of work in the community. Please see the school Work Based Learning Coordinator for permission and documentation to enroll.

**Family & Consumer Science**

WRK 722	Culinary Coop 1	was PER/CUL SERV CO	cip 128888
WRK 723	Culinary Coop 2		
WRK724	Education Coop 1	was CAREER IN ED CO	cip 138888
WRK725	Education Coop 2		
WRK726	ASL/SLI Coop 1	was SIGN LNG INT CO	cip 168888
WRK727	ASL/SLI Coop 2		
WRK728	FACS Coop 1	was FACS CO-OP	cip 198888
WRK729	FACS Coop 2		

**Health Sciences Careers/Sports Med/EMT**

WRK730	Hlth Sci Coop 1	was HLTH SCI CO-OP	cip 518888
WRK731	Hlth Sci Coop 2		

**Technology & Industry**

WRK732	Journlism Coop1	was JRNL/COMM CO-OP	cip 098888
WRK733	Journlism Coop 2		
WRK734	Comm Tech Coop 1	was COMM TECH CO-OP	cip 108888
WRK735	Comm Tech Coop 2		
WRK736	Info Tech Coop 1	was INFO TECH CO-OP	cip 118888
WRK737	Info Tech Coop 2		
WRK738	Engr Tech Coop 1	was ENG TECH CO-OP	cip 158888
WRK739	Engr Tech Coop 2		
WRK740	Constr Coop 1	was CONS TRADE COOP	cip 468888
WRK741	Constr Coop 2		
WRK742	Mechanics Coop 1	was MECH/REPR CO-OP	cip 478888
WRK743	Mechanics Coop 2		

**Business & Marketing**

WRK736	Info Tech Coop 1	was INFO TEHC CO-OP	cip 118888
WRK737	Info Tech Coop 2		
WRK744	Bus Ed Coop 1	was BUS ED CO-OP	cip 528888
WRK745	Bus Ed Coop 2		
WRK746	Mktg Ed Coop 1	was MRKT ED CO-OP	cip 528888
WRK747	Mktg Ed Coop 2		

**Agriculture/Horticulture**

WRK748	Agried Coop 1	was AGR EDUC CO-OP	cip 018888
WRK749	Agried Coop 2		