
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 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 with 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, and SkillsUSA.
- CTE Pathway offerings include:
 - AGRICULTURE & SCIENCE**
 - Horticulture & Floriculture**
 - BUSINESS & MARKETING EDUCATION**
 - Accounting, Web Design, Technical Writing**
 - HEALTH & HUMAN SERVICES**
 - Careers in Education, Sports Medicine, Culinary Arts, & Psychology**
 - TECHNOLOGY & INDUSTRY**
 - Automotive, Industrial Arts, Commercial Art & Photography, Graphic Design**

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AGRICULTURE AND SCIENCE

•HORTICULTURE 1-2

Credits

.5 per semester
Year Course

Prerequisite

None

AGR861/862

Special Information

*Science

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

Credits

.5 per semester
Year Course

Prerequisite

Horticulture 1-2

AGR863/864

Special Information

*Science

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

Credits

.5 per semester
Year Course

Prerequisite

Horticulture 3-4

AGR867/869

Special Information

*Science

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 (Independent Study)

Credits

.5 per semester
Year Course

Prerequisite

Horticulture 1-2
Instructor Permission

AGR880/881

Special Information

*Science

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

CAREER AND TECHNICAL EDUCATION DEPARTMENT

AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING

•AMERICAN SIGN LANGUAGE/SIGN LANGUAGE INTERPRETING 1 & 2

FLA701/702

Credits

Prerequisite

Special Information

.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

Credits

Prerequisite

Special Information

.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

Credits

Prerequisite

Special Information

.5 per semester
Year Course

ASL/SLI 3-4

§

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 7 & 8

FLA709/710

Credits

Prerequisite

Special Information

.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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BUSINESS EDUCATION/MARKETING EDUCATION



•A+ CERTIFICATION 1: PC Hardware

IND660/661

Credits

Prerequisite

Special 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.

CIP 470104

•A+ CERTIFICATION 2: PC Operating Systems

IND662/663

Credits

Prerequisite

Special Information

.5 per semester
Year Course

A+ Certification 1
or instructor permission

© 🚗 \$

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

•ACCOUNTING 1 & 2

BUS701/702

Credits

Prerequisite

Special 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

Credits

Prerequisite

Special Information

.5 per semester
Year Course

Accounting 1 & 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 520307

• APPLIED MATH 1-2 (First Year)

MTH 825/826

Credits

Prerequisite

Special Information

.5 per semester
Year Course

None

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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 Math WASL, FWPS course assessments, and practical use of math beyond High School. *CIP 270301*

• **APPLIED MATH 3-4 (Second Year)**

MTH 827/828

| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
|--------------------------------|---------------------|----------------------------|
| .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 10th Grade Mathematical Expectations. The course reinforces the content and skills required by the Math WASL and the FWPS course assessment. *CIP 270301*

• **BUSINESS COMMUNICATIONS/APPLIED COMMUNICATIONS**

BUS996

| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
|------------------------------------|--|----------------------------|
| .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

| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
|------------------------------------|---------------------|-----------------------------|
| .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

| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
|------------------------------------|---------------------|----------------------------|
| .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

• **BUSINESS PRINCIPLES**

BUS747

| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
|------------------------------------|---------------------|-----------------------------|
| .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

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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 (formerly Keyboarding)

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 (formerly Word Processing)

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)

BUS773/BUS774

•INTRODUCTION TO MARKETING 1-2

BUS771/BUS772

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

None

© \$

This course is designed for students who want a first look at the world of marketing. Students will be involved in the DECA Leadership Program. Marketing 1 will cover an introductory look at the free enterprise system, economic systems, entrepreneurship, business risks, channels of distribution, communication skills, workplace attitudes, personal selling, promotional mix, and market segmentation. Students will have the opportunity to participate in field trips, group and individual projects, demonstrate technology applications, and listen to a variety of guest speakers. Students may earn Tech Prep college credit upon successful completion of this course. CIP 521400

•MARKETING MANAGEMENT 3-4

BUS773/BUS774

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

Intro to Marketing 1-2

© \$ *Sr Soc Studies

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Advanced Marketing students will review economic principles and study in the areas of entrepreneurship, employment, job shadows, pricing, distribution of goods and services, merchandising, finance, management skills, consumer protection, market research, product mix, promotion, public relations, sales skills and marketing information using technology. Students may earn Tech Prep college credit upon successful completion of this course *CIP 521401*

•MARKETING OPERATIONS/STUDENT STORE 1-2

BUS777/778

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

Teacher Permission

© \$

This course is reserved for students who have been selected to perform management responsibilities in the student store. Management responsibilities include: communication in the workplace, customer relations, marketing segmentation and information, inventory, financial management, profit/loss, risk management, legal issues, sales, promotional techniques and project planning. Technology will be integrated into all class components. Students may earn Tech Prep college credit upon successful completion of this course.

CIP 521801

•MARKETING: SPORTS AND RECREATION 1

BUS809

Credits

Prerequisite

Special Information

.5 per semester

None

This course is designed as a hands-on investigation of the emerging world of Sports and Entertainment Marketing. The first semester will cover an introductory look at defining the marketing basics that make up this broad and diverse field of enterprise. Students will have the opportunity to do projects, demonstrate technology and real life applications. They will be involved in learning about promotion, public relations, publishing, community service, public image and project marketing in the professional, college and recreational arena. Students will participate in field trips, group and individual projects, and guest speaker presentations.

CIP 310504

•MARKETING: SPORTS AND RECREATION 2

BUS810

Credits

Prerequisite

Special Information

.5 per semester

Marketing: Sp and Rec 1

This course expands on the basic groundwork of first semester's learning to include: the travel, tourism and them park industries, sports, music, theater and entertainment careers investigation. The role of the global market, technology, advertising and related legal issues will be explored. . Students will participate in field trips, group and individual projects, and guest speaker presentations. The culminating project will be a comprehensive personal career portfolio. *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

1.0 credits = 2 semesters

§ = Instructor/Counselor/Principal permission

©= Satisfies occupational education requirement

\$ = Fee, materials dues

+= Physical Exam recommended

*= Crossover equivalent in another subject area

☞=Provide own transportation

HL = Higher Level Course

SL = Standard Level Course

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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

•REAL ESTATE 1

Credits

.5 per semester
Semester Course

Prerequisite

None

BUS 877

Special Information

© \$

This exploratory course serves as an introduction to a career as a licensed realtor. Students will exit this class with skills in creating a business plan, working with buyers & sellers, marketing properties, and becoming familiar with Northwest Multiple Listing Services/forms. Students will complete job shadow experiences in local real estate firms and interact with professionals related to the industry such as lenders, escrow agents, and brokers. This course is a prerequisite for Real Estate 2, in which students prepare to take the Washington State Real Estate Licensing Exam.

CIP 521501

•REAL ESTATE 2

Credits

.5 per semester
Semester Course

Prerequisite

Real Estate 1

BUS 878

Special Information

© \$

This preparatory course is recommended for students who are pursuing a career as a licensed realtor. Students will acquire skills to be successful in passing the Washington State Real Estate Licensing Exam. Students will complete job shadow experiences in local real estate firms.

CIP 521501

•RECORDKEEPING

Credits

.5 per semester
Semester Course

Prerequisite

None

BUS837

Special Information

\$10

This course is designed to increase skills in recordkeeping and document files for a business as well as organizational skills for the individual. Students will learn to compute basic income tax forms, become familiar with journals used in business, inventory records, time cards, statements, charge sales, charge purchases, checking accounts and reconciliation of checkbooks.

CIP 520486

• 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

•WEB DESIGN 1

Credits

.5 per semester
Semester Course

Prerequisite

Digital Information Processing

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

IND691

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

CAREER AND TECHNICAL EDUCATION DEPARTMENT

BUSINESS EDUCATION/MARKETING EDUCATION

Credits

.5 per semester
Semester Course

Prerequisite

Digital Information Processing, Web Design 1

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

Special Information

VOC750/751

*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 091001

CAREER AND TECHNICAL EDUCATION DEPARTMENT

FAMILY AND CONSUMER SCIENCE



•CAREERS IN EDUCATION/TEACHER ACADEMY 1-2

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 with WWU and CWU, and students may also earn Tech-Prep college credit.

CIP 130101

•CHILD DEVELOPMENT 1 & 2

HFL761/762

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

None

© 🚗

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

•FAMILY HEALTH

HFL807

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

Grades 11 & 12

© *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

HFL787

Credits

Prerequisite

Special Information

.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

•FINANCIAL LITERACY (Consumer & Family Resources)

HFL873

Credits

Prerequisite

Special Information

.5 per semester

Grades 11 & 12

©

In this course, students will learn to evaluate management practices related to human, economic, and environmental resources. The effective management of current and future resources is stressed. Learning activities will help students to make satisfying short and long-term decisions. Standards and competencies address financial goal-setting and strategies: household income, assets, and debt management, preventing and resolving financial difficulties, and use of public resources. *CIP 190403*

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FAMILY AND CONSUMER SCIENCE

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

HFL772

| | | |
|-----------------|---------------------|----------------------------|
| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
| .5 per semester | Grade 12 | © |

Semester Course

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 13th 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

HFL867

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

Semester Course

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 (formerly What's Cooking/Chef School)

HFL797

| | | |
|-----------------|---------------------|----------------------------|
| <u>Credits</u> | <u>Prerequisite</u> | <u>Special Information</u> |
| .5 per semester | None | © |

Semester Course

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 | Grades 11 & 12 | © |

Semester Course

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 | Grade 9 |
| Semester course | 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 13th Year Plan, and portfolio preparation.

CIP 190001

CAREER AND TECHNICAL EDUCATION DEPARTMENT

FAMILY AND CONSUMER SCIENCE

•PROSTART 1-2 (Culinary Arts)

HFL 799/800

Credits

Prerequisite

Special Information

.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 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)

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

CAREER AND TECHNICAL EDUCATION DEPARTMENT

SPORTS MEDICINE & EMT

• **EMERGENCY RESPONSE (HEALTH SCIENCE CAREERS)**

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 (HEALTH SCIENCE CAREERS FOUNDATIONS)**

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**

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**

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 1: PC Hardware (formerly Careers in Tech 1)

IND660/661

Credits

Prerequisite

Special 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.

CIP 470104

•A+ CERTIFICATION 2: PC Operating Systems (formerly Careers in Tech 2)

IND662/663

Credits

Prerequisite

Special Information

.5 per semester
Year Course

A+ Certification 1
or instructor permission

© ⚙ \$

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

•AUTOMOTIVE FUNDAMENTALS

IND766

Credits

Prerequisite

Special Information

.5 per semester
Semester course

None

\$ ©

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

Prerequisite

Special Information

.5 per semester
Semester course

Automotive Fundamentals

\$ ©
*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

Prerequisite

Special Information

.5 per semester
Semester course

Automotive Fundamentals

\$ ©
*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

•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.

•CAPP (Construction Apprenticeship Preparation Program) 1-2

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 460201

•CAPP (Construction Apprenticeship Preparation Program) 3-4

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

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

IND927/928

Credits

.5 per semester

Prerequisite

IND 925/926

Special Information

\$ ©

See description for IND 921/922

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

TRADES AND INDUSTRY

•COMMERCIAL ART 1-2

ART 871/872

Credits

Prerequisite

Special Information

.5 per semester
Year Course

Comm Art 1 is a prerequisite for Comm Art 2

\$ ©

This course offers an introduction to basic design and illustration, calligraphy, advertising skills, and computer art application. Students produce work such as flyers, posters, and programs for school activities. An industry-based vocabulary enables students to communicate in the working world of commercial art and relate to art in society. Students will have opportunities to interact with professionals from various commercial art occupations and will be exposed to technology processes in the art field.

CIP 500402

•Beginning COMMERCIAL PHOTOGRAPHY 1-2

IND 880/881

Credits

Prerequisite

Special Information

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

None

* \$

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

Prerequisite

Special Information

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

Beg Comm Photo 1-2

* \$

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

Prerequisite

Special Information

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

Intermediate Comm Photo 1-2

* \$

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

Prerequisite

Special Information

.5 per semester
Year Course

None

\$ ©

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,

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

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 210207

•DRAFTING & DESIGN TECHNOLOGY 1-2

IND901/902

Credits

Prerequisite

Special Information

.5 per semester
Year Course

None

© *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

•DRAFTING & DESIGN TECHNOLOGY 3-4 (CAD Drafting)

IND781/782

Credits

Prerequisite

Special Information

.5 per semester
Year Course

Drafting & Design Technology 1-2

© *Post-WASL Math

In this program students are engaged in planning, designing, drawing, and blueprint reading, while using computer-aided drawing software. Students will use the skills learned to solve problems relevant to architectural and engineering drafting.

CIP 151302

FORENSIC SCIENCE 1 & 2

SCI580/581

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.

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.

CIP 500402

1.0 credits = 2 semesters

\$ = Fee, materials dues

☞ = Provide own transportation

§ = Instructor/Counselor/Principal permission

+= Physical Exam recommended

HL = Higher Level Course

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*= Crossover equivalent in another subject area

SL = Standard Level Course

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

•INTRODUCTION TO ENGINEERING DESIGN (Project Lead the Way)

IND863/864

Credits

Prerequisite

Special Information

.5 per semester
Yearlong Course

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. *CIP210208*

•JEWELRY 1-2 (Beginning)

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)

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

•PRINCIPALS OF TECHNOLOGY 1-2

SCI657/658

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

None

© \$

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.

| | | | |
|-----------|-------------------------------|---|---|
| 18 | 1.0 credits = 2 semesters | § = Instructor/Counselor/Principal permission | ©= Satisfies occupational education requirement |
| | \$ = Fee, materials dues | += Physical Exam recommended | *= Crossover equivalent in another subject area |
| | ☞ =Provide own transportation | HL = Higher Level Course | SL = Standard Level Course |

CAREER AND TECHNICAL EDUCATION DEPARTMENT

TRADES AND INDUSTRY

CIP 210196

•TELEVISION PRODUCTION (TJTV)

IND878

Credits

Prerequisite

Special Information

.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

IND878

Credits

Prerequisite

Special Information

.5 per semester
Semester Course

None

\$

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

IND 991

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 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

CAREER AND TECHNICAL EDUCATION DEPARTMENT

CO OPERATIVE WORK EXPERIENCE

•COOPERATIVE WORK EXPERIENCE

Credits

.5 per semester

Prerequisite

See counselor or
Work Based Learning Coordinator for
Application & documentation

WRK707

Special Information

Provide Transportation

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

CIP 128888 Personal & Culinary Services Co-op
CIP 138888 Careers in Education Co-op
CIP 168888 Sign Language Interpretation Co-op
CIP 198888 FACS Co-op

Health Sciences Careers/Sports Med/EMT

CIP 518888 Health Sciences Careers Co-op

Technology & Industry

CIP 098888 Journalism/Communication Co-op
CIP 108888 Communication Technologies Co-op
CIP 118888 Information Technology Co-op
CIP 158888 Engineering Technologies Co-op
CIP 468888 Construction Trades Co-op
CIP 478888 Mechanic & Repair Co-op

Business & Marketing

CIP 118888 Information Technology Co-op
CIP 528888 Business Education Co-op
CIP 528889 Marketing Education Co-op

Agriculture/Horticulture

CIP 018888 Agriculture Education Co-op