

**WEST VIRGINIA EDUCATION INFORMATION  
SYSTEMS**

**COURSE CODES FOR SCHEDULING**

**2015/2016**

## TABLE OF CONTENTS

<b><u>SECTION 1 - GENERAL INFORMATION</u></b> .....	<b><u>PAGE</u></b>
GENERAL INFORMATION .....	2
INFORMATION ON NON-PUBLIC EDUCATION COURSES AND GRADES.....	4
INFORMATION ON SIXTH CHARACTER OF COURSE CODE .....	5
INFORMATION ON ADVANCED PLACEMENT COURSES .....	7
INFORMATION ON INTERNATIONAL BACCALAUREATE COURSES .....	8
INFORMATION ON WEST VIRGINIA OPTION PATHWAY .....	9
INFORMATION ON CTE ADVANCED CAREERS .....	10

### **SECTION 2 - COURSE CODES BY CONTENT AREA**

COMPUTER AND INFORMATION SCIENCES .....	2
DRIVER EDUCATION.....	3
EARLY CHILDHOOD/ELEMENTARY EDUCATION .....	4
ENGLISH LANGUAGE ARTS .....	5
FINE AND PERFORMING ARTS EDUCATION	
ART .....	7
DANCE.....	9
GENERAL FINE AND PERFORMING ARTS .....	10
MUSIC.....	11
THEATRE .....	13
FOREIGN LANGUAGE .....	14
HEALTH EDUCATION .....	16
HUMANITIES.....	17
LIBRARY/MEDIA .....	18
MATHEMATICS.....	19
MISCELLANEOUS	
INSTRUCTIONAL CLASSES .....	21
NON-CTE PREVIOUSLY LISTED IN THE CTE SECTION.....	22
LOCAL APPROVED CSOs .....	23
NON-INSTRUCTIONAL CLASSES .....	25
PHYSICAL EDUCATION .....	26
READING.....	27
SCIENCE .....	28
SOCIAL STUDIES .....	30

**SECTION 2, (continued).....PAGE**

CAREER AND TECHNICAL EDUCATION  
FOUNDATION COURSES (NON-OCCUPATIONAL) .....32  
OPTION PATHWAY .....33

AGRICULTURAL, FOOD AND NATURAL RESOURCES CLUSTER (AG) .....34

    AG0275 IWRC AGRICULTURE FOOD AND NATURAL RESOURCES .....34  
    AG0280 CIEL AGRICULTURE FOOD AND NATURAL RESOURCES .....34

    AGRIBUSINESS SYSTEMS PATHWAY  
    AG0120 AGRIBUSINESS SYSTEMS .....34

    ANIMAL SYSTEMS PATHWAY  
    AG0220 ANIMAL SYSTEMS .....35  
    AG0221 CASE ANIMAL SCIENCE .....35  
    AG0222 VIRTUAL ANIMAL SCIENCE .....35

    FOOD PRODUCTS AND PROCESSING SYSTEMS PATHWAY  
    AG0230 ANIMAL PROCESSING .....35

    NATURAL RESOURCES SYSTEMS PATHWAY  
    AG0130 FOREST INDUSTRY .....36  
    AG0170 NATURAL RESOURCES MANAGEMENT .....36  
    AG2180 MINING EXTRACTIO.....37  
    AG2185 OIL AND GAS EXTRACTION AND DISTRIBUTION .....37

    PLANT SYSTEMS PATHWAY  
    AG0210 PLANT SYSTEMS .....37  
    AG0214 TURF AND LANDSCAPE SYSTEMS .....38  
    AG0215 CASE PLANT SCIENCE .....38

    POWER, STRUCTURAL AND TECHNICAL SYSTEMS PATHWAY.....  
    AG0110 POWER, STRUCTURAL & TECHNICAL SYSTEMS .....38

ARCHITECTURE AND CONSTRUCTION CLUSTER (AR).....39

    AR2190 IWRC ARCHITECTURE AND CONSTRUCTION .....39  
    AR2192 CIEL ARCHITECTURE AND CONSTRUCTION .....39

    CONSTRUCTION PATHWAY  
    AR1760 ELECTRICAL TECHNICIAN .....39  
    AR1820 CARPENTRY .....39  
    AR1910 MASONRY .....40  
    AR2140 PLUMBING .....40

    DESIGN/PRE-CONSTRUCTION PATHWAY  
    AR1720 DRAFTING.....41

    MAINTENANCE/OPERATIONS PATHWAY  
    AR1600 HVAC TECHNICIAN .....41  
    AR1800 BUILDING MAINTENANCE AND OPERATIONS.....41  
    AR2130 HVY EQUIP OPERATIONS & PREVENTATIVE MAINT (ADULT) .....42

**SECTION 2, (continued).....PAGE**

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER (AV) .....43

    AV2195 IWRC ARTS, A/V TECHNOLOGY AND COMMUNICATIONS .....43

    AV2200 CIEL ARTS, A/V TECHNOLOGY AND COMMUNICATIONS .....43

    A/V TECHNOLOGY AND FILM PATHWAY

        AV0970 APPLIED DESIGN .....43

    JOURNALISM AND BROADCASTING PATHWAY

        AV1469 RADIO BROADCASTING .....44

        AV1680 BROADCASTING TECHNOLOGY .....44

        AV1682 BROADCAST JOURNALISM .....44

    PERFORMING ARTS PATHWAY

        AV2010 PERFORMING ARTS.....45

    PRINTING TECHNOLOGY PATHWAY

        AV1830 GRAPHIC COMMUNICATIONS .....45

    VISUAL ARTS PATHWAY

        AV1850 GRAPHIC DESIGN .....46

        AV2015 VISUAL ARTS .....46

        AV2100 INTERIOR DESIGN (ADULT).....46

BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM) .....47

    BM1935 IWRC BUSINESS MANAGEMENT AND ADMINISTRATION .....47

    BM1940 CIEL BUSINESS MANAGEMENT AND ADMINISTRATION .....47

    ADMINISTRATIVE SUPPORT PATHWAY

        BM0510 CAREER AND WORK SKILLS TRAINING (CWST).....47

        BM1465 ADMINISTRATIVE SUPPORT.....48

        BM1482 ADMINISTRATIVE AND BUSINESS SUPPORT (ADULT).....49

    MANAGEMENT PATHWAY

        BM1479 GENERAL MANAGEMENT .....49

        BM1500 HIGH SCHOOL OF BUSINESS.....50

    BUSINESS FINANCE AND ACCOUNTING PATHWAY

        BM1410 ACCOUNTING.....51

        BM1481 ACCOUNTING (ADULT).....52

    OPERATIONS MANAGEMENT PATHWAY

        BM1495 ENTREPRENEURSHIP .....53

EDUCATION AND TRAINING CLUSTER (ED) .....54

    ED1000 CIEL EDUCATION AND TRAINING .....54

    TEACHING/TRAINING PATHWAY

        ED1300 CAREERS IN EDUCATION .....54

FINANCE CLUSTER (FI).....55

    FI1000 CIEL FINANCE .....54

BUSINESS FINANCE PATHWAY

    FI1430 BUSINESS FINANCE .....55

**SECTION 2, (continued).....PAGE**

GOVERNMENT AND PUBLIC ADMINISTRATION CLUSTER (GO) .....56

    GO1000 GOVERNMENT AND PUBLIC ADMINISTRATION.....56

    NATIONAL SECURITY PATHWAY

        GO1070 JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC) .....56

        GO2325 NATIONAL GUARD YOUTH CHALLENGE PROGRAM (NGYCP) .....56

HEALTH SCIENCE EDUCATION CLUSTER (HE) .....57

    HE0800 IWRC HEALTH SCIENCE EDUCATION.....57

    HE0805 CIEL HEALTH SCIENCE EDUCATION.....57

    BIOTECHNOLOGY RESEARCH AND DEVELOPMENT PATHWAY

        HE0780 BIOTECHNOLOGY RESEARCH AND DEVELOPMENT .....58

    DIAGNOSTIC SERVICES PATHWAY

        HE0718 DIAGNOSTIC SERVICES.....59

        HE0773 PHLEBOTOMY TECHNICIAN (ADULT).....61

        HE0810 ELECTROCARDIOGRAPH TECHNICIAN (ADULT) .....61

    HEALTH INFORMATICS PATHWAY

        HE0740 HEALTH INFORMATICS .....61

        HE0742 HEALTH INFORMATICS – PILOT 2015-2016.....62

        HE2220 HEALTH INFORMATICS (ADVANCED CAREERS).....63

        HE0741 HEALTH INFORMATICS (ADULT).....63

        HE1485 MEDICAL OFFICE .....64

    SUPPORT SERVICES PATHWAY

        HE0728 SUPPORT SERVICES.....65

        HE1095 PERSONAL FITNESS AND WELLNESS TRAINING .....65

        HE1215 FOOD SCIENCE AND NUTRITION .....66

    THERAPEUTIC SERVICES PATHWAY

        HE0225 ANIMAL SYSTEMS-VETERINARY SCIENCE .....66

        HE0715 ALLIED HEALTH SCIENCES.....67

        HE0723 THERAPEUTIC SERVICES.....70

        HE0226 VETERINARY TECHNOLOGY (ADULT).....71

        HE0700 DENTAL ASSISTING (ADULT).....71

        HE0730 MEDICAL ASSISTING (ADULT) .....72

        HE0761 CERTIFIED NURSING ASSISTANT (ADULT) .....72

        HE0764 DENTAL LABORATORY TECHNOLOGY (ADULT) .....73

        HE0770 PHARMACY TECHNICIAN (ADULT) .....73

        HE0776 PRACTICAL NURSING (ADULT).....74

        HE0779 RESPIRATORY THERAPY (ADULT).....74

        HE0782 SURGICAL TECHNOLOGY (ADULT) .....75

        HE0795 MASSAGE THERAPY (ADULT).....75

HOSPITALITY AND TOURISM CLUSTER (HO) .....76

    HO1735 IWRC HOSPITALITY AND TOURISM .....76

    HO1740 CIEL HOSPITALITY AND TOURISM.....76

    LODGING PATHWAY

        HO1200 LODGING MANAGEMENT PROGRAM.....76

    RESTAURANTS AND FOOD/BEVERAGE SERVICES PATHWAY

        HO1010 Pro-Start® RESTAURANT MANAGEMENT.....77

        HO2050 CULINARY ARTS (ADULT) .....78

    TRAVEL AND TOURISM PATHWAY

        HO1210 HOSPITALITY AND TOURISM.....78

<b><u>SECTION 2, (continued)</u></b> .....	<b><u>PAGE</u></b>
HUMAN SERVICES CLUSTER (HU) .....	81
HU1735 IWRC HUMAN SERVICES .....	81
HU1001 CIEL HUMAN SERVICES .....	81
COUNSELING AND MENTAL HEALTH SERVICES PATHWAY	
HU1015 PREVENTION SUPPORT SPECIALIST .....	81
HU1016 VIRTUAL WELLNESS COACHING .....	82
EARLY CHILDHOOD DEVELOPMENT AND SERVICES PATHWAY	
HU1000 EARLY CHILDHOOD EDUCATION .....	83
FAMILY AND COMMUNITY SERVICES PATHWAY	
HU1025 SOCIAL SERVICES ASSISTANT .....	84
HU1080 DIRECT SUPPORT PROFESSIONAL (DSP) .....	84
HU2320 HEALTH AND SAFETY LEADERSHIP .....	85
HU2321 VIRTUAL FAMILY SERVICES .....	85
HU2322 VIRTUAL CHILDCARE .....	85
HU2323 VIRTUAL COUNSELING AND MENTAL HEALTH.....	85
PERSONAL CARE SERVICES PATHWAY	
HU1090 PERSONAL ORGANIZER .....	86
HU1730 COSMETOLOGY ACADEMY .....	86
HU2055 NAIL TECHNOLOGY .....	87
HU2305 BARBERING.....	87
HU2310 HAIR STYLING.....	87
HU1731 COSMETOLOGY (ADULT).....	87
 INFORMATION TECHNOLOGY CLUSTER (IT).....	 88
IT1000 CIEL INFORMATION TECHNOLOGY .....	88
INFORMATION SUPPORT AND SERVICES PATHWAY	
IT1930 ORACLE.....	88
IT2210 INFORMATICS (ADVANCED CAREERS) .....	88
NETWORK SYSTEMS PATHWAY	
IT1640 CISCO NETWORKING ACADEMIES .....	89
IT1680 COMPUTER SYSTEMS REPAIR TECHNOLOGY.....	90
INTERACTIVE MEDIA PATHWAY	
IT1440 MICROSOFT COMPUTER APPLICATIONS SPECIALIST (MCAS).....	91
IT1445 SIMULATION AND GAME DEVELOPMENT .....	92
IT1450 INFORMATION MANAGEMENT .....	92
IT1480 CERTIFIED INTERNET WEBMASTER (CIW) .....	93
IT1441 ADV MICROSOFT COMPUTER APPS SPECIALIST (MCAS)(ADT) .....	94
 LAW PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER (LA).....	 95
LA1735 IWRC LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY.....	95
LA1000 CIEL LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY .....	95
EMERGENCY AND FIRE MANAGEMENT SERVICES PATHWAY	
LA2200 EMERGENCY AND FIREFIGHTING MANAGEMENT SERVICES .....	95
LA2300 INDUSTRIAL FIRE SAFETY.....	96
LAW ENFORCEMENT SERVICES PATHWAY	
LA1020 LAW AND PUBLIC SAFETY.....	96
LA1021 VIRTUAL CRIMINOLOGY .....	96
LEGAL SERVICES PATHWAY	
LA1483 LEGAL OFFICE (ADULT) .....	97

**SECTION 2, (continued).....PAGE**

MANUFACTURING CLUSTER (MA).....	98
MA2190 IWRC MANUFACTURING.....	98
MA2192 CIEL MANUFACTURING.....	98
MAINTENANCE, INSTALLATION AND REPAIR PATHWAY	
MA1630 ROBOTICS.....	98
MA1730 MANUFACTURING TECHNOLOGY.....	99
MA1780 ELECTRONICS TECHNICIAN.....	100
MA1810 HYDRAULIC AND PNEUMATIC TROUBLESHOOTING.....	100
MA1870 INDUSTRIAL EQUIPMENT MAINTENANCE.....	101
MA1880 INDUSTRIAL TECHNOLOGY.....	101
MA1895 INDUSTRIAL ELECTRICAL CONTROL SYSTEMS.....	102
MA2030 COMPUTER INTEGRATED MANUFACTURING.....	102
MA2110 METALS TECHNOLOGY.....	103
MA2235 ADVANCED MANUFACTURING (ADVANCED CAREERS).....	103
MA2060 ELECTROMECHANICAL TECHNOLOGY (ADULT).....	103
MA2165 CABLING TECHNOLOGY (ADULT).....	103
PRODUCTION PATHWAY	
MA1628 AUTOMOTIVE MACHINING.....	104
MA1900 MACHINE TOOL TECHNOLOGY.....	104
MA1980 WELDING.....	104
MA2120 MILLWORK AND CABINET MAKING.....	105
MARKETING CLUSTER (MK).....	106
MK1000 CIEL MARKETING.....	106
MARKETING MANAGEMENT PATHWAY	
MK0420 MARKETING MANAGEMENT.....	106
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER (ST)...	107
ST1000 CIEL SCI, TECH, ENGRG, MATH (STEM).....	107
ENGINEERING AND TECHNOLOGY PATHWAY	
ST1790 SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM).....	107
ST2460 PRE-ENGINEERING – PROJECT LEAD THE WAY.....	108
ST2175 ENERGY, POWER & ENGINEERED SYSTEMS (ADV CAREERS)...	108
ST2200 AEROSPACE ENGINEERING (ADVANCED CAREERS).....	108
ST2205 INNOVATIONS IN SCIENCE & TECHNOLOGY (ADV CAREERS)....	108
ST2225 CLEAN ENERGY (ADVANCED CAREERS).....	108

**SECTION 2, (continued).....PAGE**

TRANSPORTATION, DISTRIBUTION AND LOGISTICS CLUSTER (TR)..... 109

    TR2190 IWRC TRANSPORTATION, DISTRIBUTION AND LOGISTICS..... 109

    TR1000 CIEL TRANSPORTATION, DISTRIBUTION AND LOGISTICS ..... 109

    FACILITY AND MOBILE EQUIPMENT MAINTENANCE PATHWAY

    TR1620 AUTOMOTIVE TECHNOLOGY..... 109

    TR1670 COLLISION REPAIR TECHNOLOGY ..... 110

    TR1740 DIESEL EQUIPMENT TECHNOLOGY..... 110

    TR1960 POWER EQUIPMENT SYSTEMS..... 110

    TRANSPORTATION OPERATIONS PATHWAY

    TR2170 TRUCK DRIVER TRAINING (ADULT)..... 111

    TRANSPORTATION SYSTEMS/INFRASTRUCTURE PLANNING, MANAGEMENT  
    AND REGULATION PATHWAY

    TR1625 TRANSPORTATION TECHNOLOGY..... 111

    TR2215 GLOBAL LOGISTICS & SUPPLY CHAIN MGMT (ADV CAREERS) .. 111

    WAREHOUSING AND DISTRIBUTION CENTER OPERATIONS PATHWAY

    TR1920 MATERIALS DISTRIBUTION..... 111

PERSONNEL..... 112

**SECTION 3 - CONTENT DESCRIPTIONS**

COMPUTER AND INFORMATION SCIENCES .....2

ENGLISH LANGUAGE ARTS .....4

FINE AND PERFORMING ARTS EDUCATION

    ART 6

    DANCE.....8

    GENERAL FINE ARTS.....9

    MUSIC10

    THEATRE .....12

HEALTH EDUCATION .....14

HUMANITIES .....15

MATHEMATICS .....16

MISCELLANEOUS - OTHER CLASSES; NON-INSTRUCTIONAL CLASSES .....17

MISCELLANEOUS CLASSES WITH LOCAL CSOS .....18

PHYSICAL EDUCATION .....19

READING 20

SCIENCE 21

SOCIAL STUDIES .....22

**SECTION 4 – REQUESTING NEW COURSE NUMBERS WITH LOCAL CSOS**

COURSE REQUEST FORM .....2



**SECTION 1**

**GENERAL INFORMATION**

# WEST VIRGINIA EDUCATION INFORMATION SYSTEMS COURSE CODES FOR SCHEDULING

## GENERAL INFORMATION

The WVEIS Course Codes listed in this document are to be used beginning with school year 2002-2003. Course code numbers used in previous years are no longer valid. Course code numbers, course titles, and course descriptions are WVEIS standards assigned by the WVEIS Office, West Virginia Department of Education.

Arrangement: Within each content area, the course codes are arranged in this order:

- **Required Courses:** In most cases, these courses are mandated to be taken and have state-written Content Standards and Objectives (CSOs). Refer to West Virginia Board of Education Policies 2510 and 2520 for more information.
- **Required Courses to be Offered:** These courses are mandated to be offered and have state-written CSOs. Refer to West Virginia Board of Education Policies 2510 and 2520 for more information.
- **Advanced Placement/IB Courses:** Advanced Placement (AP) courses are designed by the College Board and are for use by teachers for course and exam preparation in the classroom; IB courses prepare students to take the International Baccalaureate (IB) exams.
- **Electives with State-Written CSOs:** These elective courses have state-written CSOs.
- **Electives with Content Descriptions:** For most courses, the content description was taken from the U.S. Department of Education publication, *A Pilot Standard National Course Classification System for Secondary Education (1995)*. Some descriptions were prepared by the West Virginia Department of Education. Local educational agencies' (LEA) CSOs do NOT have to be submitted when using these course codes, EXCEPT for courses listed on pages 20 and 43 of Section 2.
- **Electives with LEA-Written CSOs:** If the established course codes do not fulfill the needs of the local education agency, then the LEA must submit to the West Virginia Department of Education the board-approved CSOs and a course code will be assigned. See Section 4 for Request Form.

Numbering System: The first four digits of the course code number are assigned only by the West Virginia Department of Education and must be requested through the appropriate curriculum area.

The fifth position can be assigned by the local education agency, EXCEPT for the following fifth position codes:

B	Embedded Credit course – as approved by the WVBE
C	Collaborative Embedded Credit course – as approved by the WVBE
D	DIBELS courses
E	Classes taught by EDGE teachers
L	Locally-approved credit recovery course
O	Grades received, accepted and entered into the student transcript file by a school from sources other than West Virginia public education – only for transcript file, use O0 in fifth and sixth positions, See the section titled INFORMATION ON NON-PUBLIC EDUCATION COURSES AND GRADES
V	West Virginia Virtual School courses
W	West Virginia Department of Education Virtual Courses offered for Credit Recovery

The LEA can assign numbers 0-9 in the sixth position; letters “A-Z” have specific meanings (assigned by the WVEIS Office) and are to be used when appropriate. See “Information on Sixth Character of Course Code” for specific codes.

When a range of course code numbers is given as an option, the LEA may request the use of one to ensure multiple locations are using the same code for different reasons. Refer to the “Content Descriptions” section to choose a course code that best fits the content of the course being taught.

Content Standards and Objectives (CSOs): For courses that have state-written CSOs, there is only one course code number. When there are no state-written CSOs, there is a range of numbers which can be used at the discretion of the local level. A content description is given for these courses (see the Content Descriptions section).

West Virginia Board of Education Policy 2510 requires that elective offerings not based on West Virginia Board of Education content standards must have written content standards approved by the county board of education. For the purpose of using an established course code given in this document, however, LEAs do not have to submit their county CSOs when there is a state-written CSO or a content description given in this document, EXCEPT for the courses listed on pages 20 and 43 of Section 2. Schools are urged to choose from course numbers listed under **Electives with Content Descriptions** as much as possible before asking to have a new course code generated.

Endorsements: The “Acceptable Endorsements Codes” column lists the endorsement codes that are acceptable to teach the particular course. Teachers must also be certified in the appropriate grade levels of students they are instructing.

When a range of course code numbers is used, the endorsement is the same as the course listed above the range. When using a range of course code numbers, more information may be requested about the course.

When there is no endorsement code listed, the minimum qualification is that the teacher must have a valid certificate. In some cases, more information will be required by the West Virginia Department of Education to verify if the teacher is in-field.

Virtual School Courses: Use the letter “V” in the fifth position of the six-character course code to indicate the course is a Virtual School course.

Course Descriptions: Standardized descriptions are from the U.S. Department of Education publication, *A Pilot Standard National Course Classification System for Secondary Education (1995)* or were written by the West Virginia Department of Education.

Procedures for Obtaining WVEIS Course Code Number: Please use the form in Section 4 when requesting a course code number.

Web Sites: To view this document on-line, go to the WVEIS web page: [wveis.k12.wv.us](http://wveis.k12.wv.us). Periodically refer to the WVEIS web page as well as the West Virginia Department of Education’s web page for up-to-date information: [wvde.state.wv.us](http://wvde.state.wv.us).

Student Scheduling: Students in all class levels (pre-kindergarten, kindergarten, and 1-12) must be scheduled into a core content area (English Language Arts, math, science, and social studies) or one of the courses listed under “Early Childhood/Elementary Education.”

**INFORMATION ON NON-PUBLIC EDUCATION COURSES AND GRADES  
BEGINNING THE FALL 2014**

If a school is willing to accept courses and grades from a course other than the West Virginia Public School System the following guidelines should be followed when entering the data into the student transcript file. This has become necessary for reporting courses taken, the source of courses and loading data to the state longitudinal data system.

- For the district and school, use the district and school number accepting the data as valid credit toward graduation
- For the course code number, match the most appropriate course number from the Course Code Manual for the first four positions of the number
- For the fifth and sixth positions use O0 (Capital letter O and the number zero, 0). For example: Algebra I would be 4021O0
- For the title, use OTH then the subject name. For example: OTH Algebra I
- All other fields in the transcript record should be completed as normal

These guidelines are an effort to make it obvious that the student received the credit from a source other than the West Virginia Public Education System, that it was accepted and recognized by a WV public school and allow the information to be tracked over time.

## **INFORMATION ON SIXTH CHARACTER OF COURSE CODE**

### Endorsement codes utilized in teaching **SPECIAL COURSES:**

2300	Speech & Hearing Therapy	4113	Mental Impaired - Mild/Moderate
2310	Speech-Language Pathologist	4115	Multi-Categorical
2400	Speech Therapy	4116	Autism
4100	Mental Retardation	4117	Deaf & Hard of Hearing
4101	Behavioral Disorders	4120	Pre-School Handicapped
4102	Behavioral Disorders - Mild	4121	Pre-School Handicapped - Restricted
4104	Severely/Profoundly Multi-Handicapped	4122	Pre-School Special Needs
4105	Specific Learning Disability	4123	Pre-School Developmentally Delayed
4106	Specific Learning Disability – Mild	4140	Alternative Education
4109	Severely/Profoundly Handicapped – Restricted	4201	Physically Handicapped
4111	BD Including Autism	4202	Hearing Impaired
4112	BE Excluding Autism	4203	Visually Impaired

The sixth position of the six-character course code number is defined as follows:

<b>Code</b>	<b>Special Education Category</b>	<b>Acceptable Endorsement Codes</b>
U	Autistic	4101, 4111, 4116
B	Behavior Disorders	4101, 4102, 4111, 4112, 4115
C	Blind/Partially Sighted	4203
D	Communications Disorders	2300, 2310, 2400
E	Deaf and Blind	4117, 4202, 4203
F	Deaf/Hard of Hearing	4117, 4202
G	Gifted (1-8)	4500
Q	Exceptionally Gifted (9-12)	4500
I	Mentally Impaired	
	Mildly	4100, 4113, 4115
J	Moderately	4100, 4104, 4113, 4115
K	Severely	4100, 4104, 4109
L	Profoundly	4100, 4104, 4109
T	Multicategorical Class	4115
M	Other Health Impaired	2300, 2310, 2400, 4100, 4101, 4102, 4104, 4105, 4109, 4111, 4112, 4113, 4120, 4121, 4122, 4117, 4123, 4140, 4201, 4202, 4203, 4115
N	Physically Handicapped/Orthopedically Impaired	2300, 2310, 2400, 4100, 4101, 4102, 4104, 4105, 4109, 4111, 4112, 4113, 4120, 4121, 4122, 4117, 4123, 4140, 4201, 4202, 4203, 4115
P	Preschool Handicapped	4120, 4121, 4122, 4123
R	Specific Learning Disabilities	4105, 4106, 4115
W	Traumatic Brain Injury	2300, 2310, 2400, 4100, 4101, 4102, 4104, 4105, 4109, 4111, 4112, 4113, 4120, 4121, 4122, 4117, 4123, 4140, 4201, 4202, 4203, 4115

### **Higher Level (Honors) and Advanced Placement Classes for which funding will be provided**

**Advanced Placement information will be obtained using the course code instead of the letter “A” in the sixth digit of the course code.**

H Higher Level (formerly called Honors)

**Other Codes**

X Dual Credit courses are approved for substitution of required courses, i.e. English 12, only if a **waiver has been granted** by the West Virginia Board of Education. College Course- **Dual credit** courses must list the appropriate 4 digit course code of the course for which high school credit is being given. College courses **without** an equivalent (according to accepted Content Standards and Objectives for the course) should request a course code to be assigned in the manual.

V Non-Vocational Course Taught at Career and Technical Center

S Satellite Course/Advanced

~~Y~~ Satellite Course

Z Teacher of Alternative Education

4140 endorsement required

## **INFORMATION ON ADVANCED PLACEMENT COURSES**

- The Advanced Placement Program, administered by the College Board, consists of 33 college-level courses and examinations in 19 disciplines. The course codes listed below are used by West Virginia.
- No other course codes are valid Advanced Placement Program courses.

<b><u>Subject Area</u></b>	<b><u>Course Title</u></b>	<b><u>Course Code</u></b>
<b>ART</b>	AP Art History	3221
	AP Studio Art Design	3222
	AP Studio Art 2-D Design	3223
	AP Studio Art 3-D Design	3224
<b>BIOLOGY</b>	AP Biology	6121
	AP Biology Lab	6122
<b>CALCULUS</b>	AP Calculus AB	3031
	AP Calculus BC	3032
<b>CHEMISTRY</b>	AP Chemistry	6321
	AP Chemistry Lab	6322
<b>COMPUTER SCIENCE</b>	AP Computer Science: A & AB	2801
<b>ECONOMICS</b>	AP Economics	7041
<b>ENGLISH</b>	AP English Language & Composition	4041
	AP English Literature & Composition	4042
	AP International English Language	4043
<b>ENVIRONMENTAL SCIENCE</b>	AP Environmental Science	6221
<b>FRENCH</b>	AP French	5629
<b>GERMAN</b>	AP German	5639
<b>GEOGRAPHY</b>	AP Geography	7042
<b>GOVERNMENT AND POLITICS</b>	AP Comparative	7043
	AP U.S. Government and Politics	7044
	AP European	7045
<b>HISTORY</b>	AP U.S. History	7046
	AP World History	7048
	AP Latin	5649
<b>LATIN</b>	AP Latin	5649
<b>MUSIC THEORY</b>	AP Music Theory	3651
<b>PHYSICS</b>	AP Physics B	6323
	AP Physics C	6325
	AP Physics Lab	6324
	AP Physics 1	6326
	AP Physics 2	6327
<b>PSYCHOLOGY</b>	AP Psychology	7047
<b>SPANISH</b>	AP Spanish	5669
<b>STATISTICS</b>	AP Statistics	3033
<b>MISCELLANEOUS</b>	AP Seminar	4045
	AP Research	4046

## **INFORMATION ON INTERNATIONAL BACCALAUREATE COURSES**

- The International Baccalaureate Program is an academically challenging and balanced program of education that demands the best from both motivated students and teachers. Students take written examinations at the end of the program, which are marked by external IB examiners. Students also complete assessment tasks in the school, which are either initially marked by teachers and then moderated by external moderators or sent directly to external examiners. Any school wishing to offer the Diploma Program and attain IB World School status must first go through the authorization process. The course codes listed below are currently used by West Virginia.
- No other course codes are valid International Baccalaureate Program courses.

<b><u>Subject Area</u></b>	<b><u>Course Title</u></b>	<b><u>Course Code</u></b>
<b>ART</b>	IB Art/Design	3226
<b>BIOLOGY</b>	IB Biology	6131
<b>CHEMISTRY</b>	IB Chemistry	6331
<b>COMPUTER SCIENCE</b>	IB Computing Studies	2805
<b>ECONOMICS</b>	IB Economics	7051
<b>ENGLISH</b>	IB Language A	4047
<b>FOREIGN LANGUAGE</b>	IB Classical Languages	5695
	IB Language A (Non-English)	5696
	IB Language B	5697
<b>GEOGRAPHY</b>	IB Geography	7052
<b>HISTORY</b>	IB History	7053
<b>HUMANITIES</b>	IB Theory of Knowledge	4605
<b>MATH</b>	IB Mathematical Studies	3035
	IB Mathematics	3036
	IB Mathematics and Computing-SL	3037
<b>MUSIC</b>	IB Music	3655
<b>PHYSICS</b>	IB Physics	6333
<b>PSYCHOLOGY</b>	IB Psychology	7055
<b>SCIENCE</b>	IB Physical Science	6332
	IB Sports, Exercise & Health Science	6334
<b>SOCIAL STUDIES</b>	IB Philosophy	7054
	IB Social Anthropology	7056



**INFORMATION ON WEST VIRGINIA OPTION PATHWAY**

- The Option Pathway is a blend of Career Technical Education (CTE) courses and the General Education Development (GED®) Tests. The Option Pathway allows approved students to participate in the GED testing program at approved locations **without being withdrawn from an accredited high school. The Option Pathway student may receive a high school diploma according to the completion level of the program.**
- The course codes listed below are used by West Virginia.

**\*\*\*\*FOR SCHEDULING USE THESE COURSE CODES:**

<u>Subject Area</u>	<u>Course Title</u>	<u>Course Code</u>
<b>LANGUAGE ARTS</b>	LANGUAGE ARTS/READING	7901
	LANGUAGE ARTS/WRITING	7902
<b>MATH</b>	MATH	7903
<b>SCIENCE</b>	SCIENCE	7905
<b>SOCIAL STUDIES</b>	SOCIAL STUDIES	7906

**\*\*\*\*UTILIZE THE FOLLOWING CODES FOR TRANSCRIPTING PURPOSES ONLY TO PROVIDE THE DETAILED COURSEWORK THAT THE STUDENT COMPLETED THROUGH THE OPTION PATHWAY. FOR SCHEDULING, PLEASE REFER TO THE COURSE CODES ABOVE.**

<b>LANGUAGE ARTS</b>	ENGLISH 9 OPTION	7910
	ENGLISH 10 OPTION	7911
	ENGLISH 11 OPTION	7912
	ENGLISH 12 OPTION	7913
<b>MATH</b>	MATH 9 OPTION	7914
	MATH 10 OPTION	7915
	MATH 11 OPTION	7916
	MATH 12 OPTION	7917
<b>SCIENCE</b>	PHYSICAL SCIENCE OPTION	7918
	LIFE SCIENCE OPTION	7919
	EARTH SCIENCE OPTION	7920
<b>SOCIAL STUDIES</b>	WORLD HISTORY OPTION	7921
	US HISTORY OPTION	7922
	20 <sup>TH</sup> & 21 <sup>ST</sup> CENTURY STUDIES OPT	7923
	CIVICS OPTION	7924

## **INFORMATION ON WEST VIRGINIA CTE ADVANCED CAREERS**

- Advanced Career is an innovative initiative of the Southern Regional Education Board (SREB) and a consortium of states to create career pathway programs of study that prepare high school students for careers and meaningful credentials or postsecondary certificates or degrees. The Advanced Career initiative creates curricula for all students by blending learning experiences that advance students' literacy, math, science and technical knowledge and skills, and that strengthen the habits of behavior and mind for success. Understanding students' interests, abilities and potential career goals, and possible educational and training paths leads to students' deeper understanding of postsecondary education and workplace opportunities.
- Advanced Career pathways for success will be implemented as a coherent, articulated sequence of four intellectually demanding courses that can lead to a recognized industry certificate, a community/technical college certificate, or an associate's or bachelor's degree. Specifically, SREB and member states have agreed that the career pathway courses will be organized around authentic, hands-on projects requiring application of the Common Core State Standards or other rigorous state standards in reading, writing, mathematics, science and technical standards, and 21st-century skills. Each career pathway will be joined with a college-ready academic core and designed to bridge high school and postsecondary studies. Project-based assignments are presently centered around a defined career focus in aerospace engineering, informatics, global logistics, science and technology, advanced manufacturing and clean energy technology. Both formative and summative assessments are built into each project and each course to advance academic and technical achievement and success in entry-level positions and in postsecondary entry-level, credit-bearing courses.

### **HE2220 HEALTH INFORMATICS (ADVANCED CAREERS)**

#### **Required Courses:**

1560	AC HEA INFORM I	AC HEALTH INFORMATICS I	7457
1561	AC HEA INFORM II	AC HEALTH INFORMATICS II	7458
1562	AC HEA INFORM III	AC HEALTH INFORMATICS III	7459
1563	AC HEA INFORM IV	AC HEALTH INFORMATICS IV	7460

### **IT2210 INFORMATICS (ADVANCED CAREERS)**

#### **Required Courses:**

1550	AC INFORMATICS I	AC INFORMATICS I	7449
1551	AC INFORMATICS II	AC INFORMATICS II	7450
1552	AC INFORMATICS III	AC INFORMATICS III	7451
1553	AC INFORMATICS IV	AC INFORMATICS IV	7452

**INFORMATION ON WEST VIRGINIA CTE ADVANCED CAREERS  
(continued)**

**MA2235 ADVANCED MANUFACTURING (ADVANCED CAREERS)**

**Required Courses:**

1575	AC ADV MAN I	AC ADVANCED MANUFACTURING I	7469
1576	AC ADV MAN II	AC ADVANCED MANUFACTURING II	7470
1577	AC ADV MAN III	AC ADVANCED MANUFACTURING III	7471
1578	AC ADV MAN IV	AC ADVANCED MANUFACTURING IV	7472

**ST2175 ENERGY, POWER AND ENGINEERED SYSTEMS (ADVANCED CAREERS)**

**Required Courses:**

2485	AC EGY PW EGR I	AC ENERGY, POWER, AND ENGINEERED SYSTEMS I	7465
2486	AC EGY PW EGR II	AC ENERGY, POWER, AND ENGINEERED SYSTEMS II	7466
2487	AC EGY PW EGR III	AC ENERGY, POWER, AND ENGINEERED SYSTEMS III	7467
2488	AC EGY PW EGR IV	AC ENERGY, POWER, & ENGINEERED SYSTEMS IV	7468

**ST2200 AEROSPACE ENGINEERING (ADVANCED CAREERS)**

**Required Courses:**

1540	AC AERO ENG I	AC AEROSPACE ENGINEERING I	7441
1541	AC AERO ENG II	AC AEROSPACE ENGINEERING II	7442
1542	AC AERO ENG III	AC AEROSPACE ENGINEERING III	7443
1543	AC AERO ENG IV	AC AEROSPACE ENGINEERING IV	7444

**ST2205 INNOVATIONS IN SCIENCE AND TECHNOLOGY (ADVANCED CAREERS)**

**Required Courses:**

1545	AC IN SCI TECH I	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY I	7445
1546	AC IN SCI TECH II	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY II	7446
1547	AC IN SCI TECH III	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY III	7447
1548	AC IN SCI TECH IV	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY IV	7448

**ST2225 CLEAN ENERGY (ADVANCED CAREERS)**

**Required Courses:**

1565	AC CLEAN EN I	AC CLEAN ENERGY I	7461
1566	AC CLEAN EN II	AC CLEAN ENERGY II	7462
1567	AC CLEAN EN III	AC CLEAN ENERGY III	7463
1568	AC CLEAN EN IV	AC CLEAN ENERGY IV	7464

**INFORMATION ON WEST VIRGINIA CTE ADVANCED CAREERS  
(continued)**

**TR2215 GLOBAL LOGISTICS AND SUPPLY CHAIN MANAGEMENT  
(ADVANCED CAREERS)**

**Required Courses:**

1555	AC GLOBAL LOG I	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT I	7453
1556	AC GLOBAL LOG II	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT II	7454
1557	AC GLOBAL LOG III	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT III	7455
1558	AC GLOBAL LOG IV	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT IV	

**SECTION 2**

**COURSE CODES BY CONTENT AREA**

## COMPUTER & INFORMATION SCIENCES

Endorsement codes utilized in teaching **Computer & Information Sciences**:

There is no specific endorsement for Computer & Information Sciences; however, the teacher must have a valid teaching certificate.

### Advanced Placement (College Board)/IB:

2801	AP CMPTR SCI	COMPUTER SCIENCE: A & AB ADVANCED PLACEMENT
2805	IB CMPTR ST	IB COMPUTING STUDIES

### Electives with Content Descriptions:

2811	BASC CMPTR	BASIC COMPUTER
2812-2815		use for additional courses in Basic Computer
2816	BASC PRGRM	BASIC PROGRAMMING
2817-2820		use for additional courses in BASIC Programming
2821	CMPTR GRPHC	COMPUTER GRAPHICS
2822-2825		use for additional courses in Computer Graphics
2826	CMPTR INFO	COMPUTER & INFORMATION SCIENCES
2827-2830		use for additional courses in Computer & Information Sciences
2831	CMPT SCI/PRG	COMPUTER SCIENCE/PROGRAMMING
2832-2835		use for additional courses in Computer Science/Programming
2836	CMPTER SYSTM	COMPUTER SYSTEMS
2837-2840		use for additional courses in Computer Systems
2841	CMPTR TECH	COMPUTER TECHNOLOGY
2842-2845		use for additional courses in Computer Technology
2846	GEN CMPT APP	GENERAL COMPUTER APPLICATIONS
2847-2850		use for additional courses in General Computer Applications
2851	NETWRK TECH	NETWORK TECHNOLOGY
2852-2855		use for additional courses in Network Technology
2856	OBJ ORNT LNG	OBJECT-ORIENTED LANGUAGES
2857-2860		use for additional courses in Object-Oriented Languages
2861	OP SYSTEMS	OPERATING SYSTEMS
2862-2865		use for additional courses in Operating Systems
2866	PASCAL PRGM	PASCAL PROGRAMMING
2867-2870		use for additional courses in Pascal Programming

## DRIVER EDUCATION

Endorsement codes utilized in teaching **Driver Education**:

0900	Driver Education
2100	Safety Education
2215	Physical Education/Health/Safety

**Required Courses to be Offered:**

6811	DRVR ED	DRIVER EDUCATION	0900, 2100, 2215
6812	DRVR ED CLS	DRIVER EDUCATION/CLASSROOM	0900, 2100, 2215
6813	DRVR ED LAB	DRIVER EDUCATION/LAB	0900, 2100, 2215

## EARLY CHILDHOOD/ELEMENTARY EDUCATION

Endorsement codes utilized in **Early Childhood/Elementary Education**:

3600	Elementary Education	3606	Pre-school Education
3601	Early Childhood	4120	Pre-school Handicapped
3602	Primary	4121	Pre-school Handicapped - Restricted
3603	Early Education	4122	Pre-school Special Needs
3605	Multi-subjects	4123	Developmentally Delayed

2610	PRESCHOOL	PRESCHOOL	3601, 3602, 3603, 3606, 4120, 4121, 4122, 4123
2615	PRESCH HNDCP	PRESCHOOL HANDICAPPED	4120, 4121, 4122, 4123
2620	KINDERGARTEN	KINDERGARTEN	3600, 3601, 3602, 3603, 3605
2625	SLFCNT RG ED	SELF-CONTAINED REGULAR EDUCATION (1-6)	3600, 3601, 3602, 3605
2630	SPED SLFCNT	SPECIAL EDUCATION SELF-CONTAINED	Use the letter for the appropriate special education category in the 6 <sup>th</sup> position of the course code. Acceptable endorsements are listed in Section 1, Page 4.



## ENGLISH LANGUAGE ARTS

Endorsement codes utilized in teaching **English/Language Arts**:

0800	Language Arts	3601	Early Childhood
1000	English	3602	Primary
1001	English Language Arts	3603	Early Education
1050	English as Second Language	3605	Multi-subjects
3100	Speech	3700	Oral Communications
3600	Elementary Education	3900	Journalism

### Required Courses:

4000	ENG LA K	ENGLISH LANGUAGE ARTS K	1000, 3600, 3601, 3602, 3603, 3605
4001	ENG LA 1	ENGLISH LANGUAGE ARTS 1	1000, 3600, 3601, 3602, 3605
4002	ENG LA 2	ENGLISH LANGUAGE ARTS 2	1000, 3600, 3601, 3602, 3605
4003	ENG LA 3	ENGLISH LANGUAGE ARTS 3	1000, 3600, 3601, 3602, 3605
4004	ENG LA 4	ENGLISH LANGUAGE ARTS 4	0800, 1000, 1001, 3600, 3601, 3602, 3605
4005	ENG LA 5	ENGLISH LANGUAGE ARTS 5	0800, 1000, 1001, 3600, 3605
4006	ENG LA 6	ENGLISH LANGUAGE ARTS 6	0800, 1000, 1001, 3600, 3605
4007	ENG LA 7	ENGLISH LANGUAGE ARTS 7	0800, 1000, 1001
4008	ENG LA 8	ENGLISH LANGUAGE ARTS 8	0800, 1000, 1001
4009	ENG LA 9	ENGLISH LANGUAGE ARTS 9	0800, 1000, 1001
4010	ENG LA 10	ENGLISH LANGUAGE ARTS 10	0800, 1000, 1001
4011	ENG LA 11	ENGLISH LANGUAGE ARTS 11	0800, 1000, 1001
4012	ENG LA 12	ENGLISH LANGUAGE ARTS 12	0800, 1000, 1001
4013	TRNS E/LA SR	TRANSITION ENGLISH LANGUAGE ARTS FOR SENIORS	0800, 1000, 1001
4014	ENG 12 CR	ENGLISH 12 COLLEGE/CAREER READY	0800, 1000, 1001

## ENGLISH LANGUAGE ARTS (continued)

**Electives:**

4021	ADV COMMUN	ADVANCED COMMUNICATIONS	0800, 1000, 1001
4022	CRTV WRIT I	CREATIVE WRITING I	0800, 1000, 1001, 3900
4023	CRTV WRIT II	CREATIVE WRITING II	0800, 1000, 1001, 3900
4024	ENG-DSKTP PB	DESKTOP PUBLISHING	0800, 1000, 1001, 3900

**Advanced Placement (College Board)/International Baccalaureate (IB):**

4041	AP ENG LANG	ENGLISH LANGUAGE & COMPOSITION AP	0800, 1000, 1001
4042	AP ENG LIT	ENGLISH LITERATURE & COMPOSITION AP	0800, 1000, 1001
4043	AP INTRN ENG	INTERNATIONAL ENGLISH LANGUAGE AP	0800, 1000, 1001
4047	IB LANG A	IB LANGUAGE A	0800, 1000, 1001

**Electives with State-Written CSOs:** *Using the Standards and Objectives of the Journalism course found in Policy 2520.1. These standards and objectives can be adapted for various course levels, as well as for various electives. Standards one through four apply to a general journalism course and standards five through ten in addition to standards one through four, apply to specific journalism courses.*

4051	JRNLSM	JOURNALISM	0800, 1000, 1001, 3900
4052	JRNLSM II	JOURNALISM II	0800, 1000, 1001, 3900
4053	JRNLSM III	JOURNALISM III	0800, 1000, 1001, 3900
4056	JRNLSM PHOTO	JOURNALISM - PHOTOGRAPHIC	0800, 1000, 1001, 3900
4061	JRNLSM VIDO	JOURNALISM - VIDEO	0800, 1000, 1001, 3900
4066	SCH NWSPAPR	SCHOOL NEWSPAPER	0800, 1000, 1001, 3900
4071	SCH YRBOOK	SCHOOL YEARBOOK	Any valid certificate may teach School Yearbook course 4071
4076	SPCH/ORL COM	SPEECH/ORAL COMMUNICATION	0800, 1001, 3100, 3700

**Electives with Content Descriptions** (range of numbers can be used at discretion of local level):

4101	CMPSTN LOW	COMPOSITION (lower level)	0800, 1000, 1001
4108	CMPSTN UP	COMPOSITION (upper level)	0800, 1000, 1001
4115	ENG SEC LANG	ENGLISH AS A SECOND LANGUAGE	1050
4122	ENG LNG LIT	ENGLISH LANG. & LIT. - INDEPENDENT STUDIES	0800, 1000, 1001
4127	ENG LNG R	ENGLISH LANGUAGE ARTS SKILLS REINFORCEMENT	0800, 1000, 1001
4129	FORENSICS	FORENSICS	0800, 1000, 1001, 3100, 3700
4136	LITERATURE	LITERATURE	0800, 1000, 1001
4143	LITRTR LOW	LITERATURE (lower level)	0800, 1000, 1001
4150	LITRTR UP	LITERATURE (upper level)	0800, 1000, 1001
4157	MASS COMM	MASS COMMUNICATION	0800, 1000, 1001, 3900
4164	PUBLIC SPEAK	PUBLIC SPEAKING	0800, 1000, 1001, 3100, 3700
4171	TECH WRITING	TECHNICAL WRITING	0800, 1000, 1001

## FINE & PERFORMING ARTS EDUCATION: ART

Endorsement codes utilized in teaching **Fine & Performing Arts Education:**

0300	Art	3601	Early Childhood
2000	Music	3602	Primary
2001	Instrumental Music	3603	Early Education
2002	Vocal Music	3605	Multi-subjects
3600	Elementary Education		

### Required Courses:

3200	ART K	ART K	0300, 3600, 3601, 3602, 3603, 3605
3201	ART 1	ART 1	0300, 3600, 3601, 3602, 3605
3202	ART 2	ART 2	0300, 3600, 3601, 3602, 3605
3203	ART 3	ART 3	0300, 3600, 3601, 3602, 3605
3204	ART 4	ART 4	0300, 3600, 3601, 3605
3205	ART 5	ART 5	0300, 3600, 3605
3206	ART 6	ART 6	0300, 3600, 3605
3207	ART 7	ART 7	0300
3208	ART 8	ART 8	0300

### Elective Course:

3211	ART I	ART I	0300
3212	ART II	ART II	0300
3213	ART III	ART III	0300
3214	ART IV	ART IV	0300

### Advanced Placement (College Board)/IB:

3221	AP ART HIST	AP ART HISTORY	0300
3222	AP STD ART DSGN	AP STUDIO ART DESIGN	0300
3223	AP STD ART 2-D	AP STUDIO ART 2-D DESIGN	0300
3224	AP STD ART 3-D	AP STUDIO ART 3-D DESIGN	0300
3226	IB ART DSGN	IB ART/DESIGN	0300

### Electives with State-Written CSOs:

3231	ART APPREC	ART APPRECIATION	0300
3232	ART HISTORY	ART HISTORY	0300
3233	ART HS/APPR	ART HISTORY/APPRECIATION/CRITICISM	0300
3241	STDO ART I	STUDIO ART I	0300
3242	STDO ART II	STUDIO ART II	0300

## FINE & PERFORMING ARTS EDUCATION: ART (continued)

**Electives with Content Descriptions** (range of numbers can be used at discretion of local level):

3307	CRMC/POTRY	CERAMICS/POTTERY	0300
3313	GRPH ART	GRAPHIC ARTS	0300
3319	CRAFTS	CRAFTS	0300
3331	DRAWING	DRAWING	0300
3337	CRTV ART SCL	CREATIVE ARTS-SCULPTURE	0300
3343	PHOTO (ART)	PHOTOGRAPHY	0300
3349	PRNTMK/GRPH	PRINTMAKING/GRAPHICS	0300
3355	TEXTILES	TEXTILES	0300
3361	VSL ART-IND	VISUAL ART-INDEPENDENT STUDY	0300
3367	PNTNG	PAINTING	0300

## FINE & PERFORMING ARTS EDUCATION: DANCE

### Elective Courses:

3401*	DANCE I-FA	DANCE I	Any valid endorsement may teach Dance courses 3401-3404
3402*	DANCE II-FA	DANCE II	
3403*	DANCE III-FA	DANCE III	
3404*	DANCE IV-FA	DANCE IV	

### Electives with Course Descriptions (range of numbers can be used at discretion of local level):

3411	DANCE APPRC	DANCE APPRECIATION	Any valid endorsement may teach Dance courses 3411-3460
3421	DANCE INDPN	DANCE-INDEPENDENT STUDY	
3431	DANCE RPRTY	DANCE REPERTORY	
3441	DANCE TCHNQ	DANCE TECHNIQUE	
3451	EXPRSV MOVE	EXPRESSIVE MOVEMENT	

**\*Choose course code numbers 6621-6624 when a Physical Education credit is given; otherwise, choose course codes 3401-3404.**

**FINE & PERFORMING ARTS EDUCATION:  
GENERAL FINE & PERFORMING ARTS**

**Electives with Content Descriptions** (range of numbers can be used at discretion of local level):  
**Fine Arts Elective Courses require both music and visual arts endorsements.**

3511	FPA-INDPN ST	FINE & PERFORMING ART-INDEPENDENT STUDY
3521	FPA-RLTD SBJ	FINE & PERFORMING ART-RELATED SUBJECTS
3531	INTGR FN ART	INTEGRATED FINE ARTS

## FINE & PERFORMING ARTS EDUCATION: MUSIC

### Required Courses:

3600	GEN MUSIC K	GENERAL MUSIC K	2000, 3600, 3601, 3602, 3603, 3605
3601	GEN MUSIC 1	GENERAL MUSIC 1	2000, 3600, 3601, 3602, 3605
3602	GEN MUSIC 2	GENERAL MUSIC 2	2000, 3600, 3601, 3602, 3605
3603	GEN MUSIC 3	GENERAL MUSIC 3	2000, 3600, 3601, 3602, 3605
3604	GEN MUSIC 4	GENERAL MUSIC 4	2000, 3600, 3601, 3605
3605	GEN MUSIC 5	GENERAL MUSIC 5	2000, 3600, 3605
3606	GEN MUSIC 6	GENERAL MUSIC 6	2000, 3600, 3605
3607	GEN MUSIC 7	GENERAL MUSIC 7	2000
3608	GEN MUSIC 8	GENERAL MUSIC 8	2000

### Elective Courses:

3625	BAND 6	BAND 6	2000, 2001
3626	BAND 7	BAND 7	2000, 2001
3627	BAND 8	BAND 8	2000, 2001
3611	BAND I	BAND I	2000, 2001
3612	BAND II	BAND II	2000, 2001
3613	BAND III	BAND III	2000, 2001
3614	BAND IV	BAND IV	2000, 2001
3616	CHRL MUSIC 6	CHORAL MUSIC 6	2000, 2002
3617	CHRL MUSIC 7	CHORAL MUSIC 7	2000, 2002
3618	CHRL MUSIC 8	CHORAL MUSIC 8	2000, 2002
3621	CHRS I BGN	CHORUS I - BEGINNING	2000, 2002
3622	CHRS II INT	CHORUS II - INTERMEDIATE	2000, 2002
3623	CHRS III ADV	CHORUS III - ADVANCED	2000, 2002
3624	CHORUS IV	CHORUS IV	2000, 2002
3761	ORCH 6	ORCHESTRA 6	2000, 2001
3762	ORCH 7	ORCHESTRA 7	2000, 2001
3763	ORCH 8	ORCHESTRA 8	2000, 2001
3764	ORCH I	ORCHESTRA I	2000, 2001
3765	ORCH II	ORCHESTRA II	2000, 2001
3776	ORCH III	ORCHESTRA III	2000, 2001
3777	ORCH IV	ORCHESTRA IV	2000, 2001

### Advanced Placement (College Board)/IB:

3651	AP MUSC THRY	MUSIC THEORY ADVANCED PLACEMENT	2000
3655	IB MUSIC	IB MUSIC	2000

### Electives with State-Written CSOs:

3661	FOLK MUSC I	FOLK MUSIC I	2000
3662	FOLK MUSC II	FOLK MUSIC II	2000
3671	MSC APPR/HST	MUSIC APPRECIATION/HISTORY/HUMANITIES	2000, 2001, 2002
3681	PIANO I	PIANO I	2000, 2001
3682	PIANO II	PIANO II	2000, 2001
3683	PIANO III	PIANO III	2000, 2001
3684	PIANO IV	PIANO IV	2000, 2001

## FINE & PERFORMING ARTS EDUCATION: MUSIC (continued)

### Electives with Content Descriptions:

3716	BAND-GENRL	BAND-GENERAL	2000, 2001
3728	GUITAR	GUITAR	2000, 2001
3731	INDV-TECH MUS	INDIVIDUAL TECHNIQUE MUSIC	2000, 2001
3743	INSTR ENSMBL	INSTRUMENTAL ENSEMBLES	2000, 2001
3746	MSC HST/APP	MUSIC HISTORY/APPRECIATION	2000
3750	MUSIC IN MOVIES	MUSIC IN MOVIES – ROANE	2000
3751	MUSIC-IND ST	MUSIC-INDEPENDENT STUDY	2000
3756	MUSIC THRY	MUSIC THEORY	2000
3766	VOCAL ENSMBL	VOCAL ENSEMBLES	2000, 2002



## FINE & PERFORMING ARTS EDUCATION: THEATRE

### Required Courses to be Offered:

3801	THEATRE I	THEATRE I	Any valid endorsement may teach Theatre courses 3801-3804
3802	THEATRE II	THEATRE II	
3803	THEATRE III	THEATRE III	
3804	THEATRE IV	THEATRE IV	

### Electives with Content Descriptions:

3819	FILM STU	FILM STUDIES	Any valid endorsement may teacher Theatre courses 3811-3882
3835	THTR-ACT/PRF	THEATRE-ACTING/PERFORMANCE	
3859	THTR/STAGE	THEATRE/STAGECRAFT	
3867	THTR/STG-CMP	THEATRE/STAGECRAFT-COMPREHENSIVE	
3875	THTR/STG-IND	THEATRE/STAGECRAFT-INDEPENDENT STUDY	

## FOREIGN LANGUAGE

Endorsement codes utilized in teaching **Foreign Language**:

1100	French	3600	Elementary Education
1200	German	3601	Early Childhood
1250	Japanese	3602	Primary
1275	Chinese		
1300	Latin	3603	Early Education
1400	Russian	3605	Multi-subjects
1500	Spanish		
1550	American Sign Language		

5608\*\* NAT PROF LEVEL 1 NATIVE PROFICIENCY LEVEL 1  
 5609\*\* NAT PROF LEVEL 2 NATIVE PROFICIENCY LEVEL 2

NOTE: \*\*These codes are intended for use with languages of low incidence that are not currently represented in the manual of West Virginia Course Codes. Additionally, these codes are reserved for the purpose of documenting equivalency credit for native language proficiency only.

**Electives (Those with State-Written CSOs are indicated with \*):**

5600	FLEX K	FOREIGN LANGUAGE EXPLORATORY K	3600, 3601, 3602, 3603, 3605
5601	FLEX 1	FOREIGN LANGUAGE EXPLORATORY 1	3600, 3601, 3602, 3605
5602	FLEX 2	FOREIGN LANGUAGE EXPLORATORY 2	3600, 3601, 3602, 3605
5603	FLEX 3	FOREIGN LANGUAGE EXPLORATORY 3	3600, 3601, 3602, 3605
5604	FLEX 4	FOREIGN LANGUAGE EXPLORATORY 4	3600, 3602, 3601, 3605
5605	FLEX 5	FOREIGN LANGUAGE EXPLORATORY 5	3600, 3605
5606	FLEX 6	FOREIGN LANGUAGE EXPLORATORY 6	3600, 3605
5607	FLEX 7	FOREIGN LANGUAGE EXPLORATORY 7	Teacher must be certified in foreign language being explored for course 5607
5610	CHINESE INTRO	CHINESE EXPLORATION	1275
5611	CHINESE I	CHINESE I	1275
5612	CHINESE II	CHINESE II	1275
5613	CHINESE III	CHINESE III	1275
5614	CHINESE IV	CHINESE IV	1275
5620	FRENCH EXPL	FRENCH EXPLORATION	1100
5621	FRENCH I	FRENCH I	1100
5622	FRENCH II	FRENCH II	1100
5623	FRENCH III	FRENCH III	1100
5624	FRENCH IV	FRENCH IV	1100
5625	FRENCH V	FRENCH V	1100
5627	FRENCH LIT	FRENCH LITERATURE	1100
5629	AP FRENCH	FRENCH ADVANCED PLACEMENT	1100
5630	GERMAN EXPL	GERMAN EXPLORATION	1200
5631	GERMAN I	GERMAN I	1200
5632	GERMAN II	GERMAN II	1200
5633	GERMAN III	GERMAN III	1200
5634	GERMAN IV	GERMAN IV	1200
5635	GERMAN V	GERMAN V	1200
5639	AP GERMAN	GERMAN ADVANCED PLACEMENT	1200

## FOREIGN LANGUAGE (continued)

### Electives (Those with State-Written CSOs are indicated with \*):

5640	LATIN EXPL	LATIN EXPLORATION	1300
5641	LATIN I	LATIN I	1300
5642	LATIN II	LATIN II	1300
5643	LATIN III	LATIN III	1300
5644	LATIN IV	LATIN IV	1300
5645	LATIN V	LATIN V	1300
5649	AP LATIN	LATIN ADVANCED PLACEMENT	1300
5650*	RUSSIAN EXPL	RUSSIAN EXPLORATION	1400
5651*	RUSSIAN I	RUSSIAN I	1400
5652*	RUSSIAN II	RUSSIAN II	1400
5653*	RUSSIAN III	RUSSIAN III	1400
5654*	RUSSIAN IV	RUSSIAN IV	1400
5655	RUSSIAN V	RUSSIAN V	1400
5660*	SPANISH EXPL	SPANISH EXPLORATION	1500
5661*	SPANISH I	SPANISH I	1500
5662*	SPANISH II	SPANISH II	1500
5663*	SPANISH III	SPANISH III	1500
5664*	SPANISH IV	SPANISH IV	1500
5665	SPANISH V	SPANISH V	1500
5666	SPANISH VI	SPANISH VI	1500
5669	AP SPANISH	SPANISH ADVANCED PLACEMENT	1500
5671*	JAPANESE I	JAPANESE I	1250
5672*	JAPANESE II	JAPANESE II	1250
5673*	JAPANESE III	JAPANESE III	1250
5674*	JAPANESE IV	JAPANESE IV	1250
5681*	ITALIAN I	ITALIAN I	
5682*	ITALIAN II	ITALIAN II	
5683	ITALIAN III	ITALIAN III	
5684	ITALIAN IV	ITALIAN IV	
5686*	ARABIC I	ARABIC I	
5691	AM SIGN LNG I	AMERICAN SIGN LANGUAGE I	1550
5692	AM SIGN LNG II	AMERICAN SIGN LANGUAGE II	1550
5693	AM SIGN LNG III	AMERICAN SIGN LANGUAGE III	1550
5694	AM SIGN LNG IV	AMERICAN SIGN LANGUAGE IV	1550
5700	FARSI I	FARSI I	
5701	FARSI II	FARSI II	

### Advanced Placement (College Board)/IB:

5629	AP FRENCH	FRENCH ADVANCED PLACEMENT	1100
5639	AP GERMAN	GERMAN ADVANCED PLACEMENT	1200
5649	AP LATIN	LATIN ADVANCED PLACEMENT	1300
5669	AP SPANISH	SPANISH ADVANCED PLACEMENT	1500
5695	IB CLS LANG	IB CLASSICAL LANGUAGES	
5696	IB LNG-NO EN	IB LANGUAGE A (NON-ENGLISH)	
5697	IB LANG B	IB LANGUAGE B	

Note: West Virginia Board of Education Policies 2510 requires that foreign languages be offered at the 7<sup>th</sup> and 8<sup>th</sup> grade levels. In the high school curriculum, each school must offer a minimum of two years of the same language. The decision of which language(s) to offer is a county decision; therefore, all the languages are listed as electives. Each school must choose to offer at least one language.

## HEALTH EDUCATION

**Endorsement codes utilized in teaching Health Education:**

2200	Health & Physical Education	3601	Early Childhood
2205	Health Education	3602	Primary
2215	Physical Education/Health/Safety	3603	Early Education
2250	Wellness	3605	Multi-subjects
3600	Elementary Education		

**Required Courses:**

6900	HEALTH K	HEALTH K	2200, 2205, 2215, 2250, 3600, 3601, 3602, 3603, 3605
6901	HEALTH 1	HEALTH 1	2200, 2205, 2215, 2250, 3600, 3601, 3602, 3605
6902	HEALTH 2	HEALTH 2	2200, 2205, 2215, 2250, 3600,
3601, 3602, 3605			
6903	HEALTH 3	HEALTH 3	2200, 2205, 2215, 2250, 3600,
3601, 3602, 3605			
6904	HEALTH 4	HEALTH 4	2200, 2205, 2215, 2250, 3600, 3601, 3605
6905	HEALTH 5	HEALTH 5	2200, 2205, 2215, 2250, 3600, 3605
6906	HEALTH 6	HEALTH 6	2200, 2205, 2215, 3350, 3600, 3605
6907	HEALTH 7	HEALTH 7	2200, 2205, 2215, 2250
6908	HEALTH 8	HEALTH 8	2200, 2205, 2215, 2250
6909	HEALTH HS	HEALTH 9-12	2200, 2205, 2215, 2250

**Electives with Content Descriptions:**

6921	CMTY HEALTH	COMMUNITY HEALTH	2200, 2205, 2215, 2250
6931	HEALTH ED	HEALTH EDUCATION	2200, 2205, 2215, 2250
6941	HEALTH FTNS	HEALTH & FITNESS	2200, 2205, 2215, 2250
6951	SFTY 1 <sup>ST</sup> AID	SAFETY & FIRST AID	2200, 2205, 2215, 2250

## HUMANITIES

Endorsement codes utilized in teaching **Humanities**:

Because these courses may be interdisciplinary classes, specific endorsements are not listed; however, the teacher must be endorsed in the area in which he/she is providing instruction. For example, if the Humanities class consists of Literature, Fine Arts, and Social Studies, then the Social Studies component must be taught by a teacher with a Social Studies endorsement (3000), the English component must be taught by a teacher with an English endorsement (1000,1001), etc.

**Advanced Placement (College Board)/IB:**

4605      IB THRY KNWL      IB Theory of Knowledge

**Electives with Content Descriptions:**

4611      HUMANITIES      HUMANITIES  
4621      HMNTIES SRVY      HUMANITIES SURVEY  
4631      WEST HMNTIES      ISSUES OF WESTERN HUMANITIES

## LIBRARY/MEDIA

Endorsement codes utilized in **Library/Media**:

3400	School Librarian
3440	School Library Media

**Electives:**

5911	LIBRARY I	LIBRARY SCIENCE I	3400, 3440
5912	LIBRARY II	LIBRARY SCIENCE II	3400, 3440
5913	LIBRARY III	LIBRARY SCIENCE III	3400, 3440
5914	LIB SKILLS	LIBRARY SKILLS (Elementary)	3400, 3440

# MATHEMATICS

**Endorsement codes utilized in teaching Mathematics:**

1900	Mathematics	3600	Elementary Education
1905	Math through Algebra I	3601	Early Childhood
1910	Math I Authorization	3602	Primary
		3603	Early Education
		3605	Multi-subjects

**Required Courses:**

3000	MATH K	MATH K	1900, 3600, 3601, 3602, 3603, 3605
3001	MATH 1	MATH 1	1900, 3600, 3601, 3602, 3605
3002	MATH 2	MATH 2	1900, 3600, 3601, 3602, 3605
3003	MATH 3	MATH 3	1900, 3600, 3601, 3602, 3605
3004	MATH 4	MATH 4	1900, 1905, 3600, 3601, 3605
3005	MATH 5	MATH 5	1900, 1905, 3600, 3605
3006	MATH 6	MATH 6	1900, 1905, 3600, 3605
3007	MATH 7	MATH 7	1900, 1905
3008	MATH 8	MATH 8	1900, 1905
3011	MATH I-8	MATH I-8	1900 or (1905 and 1910)
3012	MATH I-9	MATH I-9	1900 or (1905 and 1910)
3013	MATH I-9 LAB	MATH I-9 LAB - MUST BE TAUGHT DURING THE SAME INSTRUCTIONAL YEAR AS MATH I-9	1900 or (1905 and 1910)
3014	MATH II	MATH II	1900
3015	MATH III (LA)	MATH III (LA) LIBERAL ARTS	1900
3016	MATH III (STEM)	MATH III (STEM)	1900
3017	MATH III (TR)	MATH III (TR) TECHNICAL READINESS	1900
3018	MATH IV	MATH IV	1900
3019	MATH IV (TR)	MATH IV (TR) TECHNICAL READINESS	1900
3025	ADV MATH MDLG	ADVANCE MATHEMATICAL MODELING	1900
3026	STEM READY MTH	STEM READINESS MATHEMATICS	1900
3021	ALGEBRA I	ALGEBRA I	1900, 1905
3060	NxG ALG SUP	NxG ALGEBRA SUPPORT	1900, 1905
3066	NxG ALG I 8 <sup>TH</sup> GRD	NxG ALGEBRA I FOR 8 <sup>TH</sup> GRADE	1900, 1905
3061	NxG ALG I	NxG ALGEBRA I	1900, 1905
3062	NxG GEOMETRY	NxG GEOMETRY	1900
3063	NxG ALG II	NxG ALGEBRA II	1900
3064	NxG TRIG/PRECAL	NxG TRIGONOMETRY/PRE-CALCULUS	1900

**Advanced Placement (College Board)/IB:**

3030	AP COMP SCI-MTH	AP COMPUTER SCIENCE (MATH CREDIT)	1900
3031	AP CALC AB	CALCULUS (AB) ADVANCED PLACEMENT	1900
3032	AP CALC BC	CALCULUS (BC) ADVANCED PLACEMENT	1900
3033	AP STATS	STATISTICS ADVANCED PLACEMENT	1900
3035	IB MATH STDS	IB MATHEMATICAL STUDIES	1900
3036	IB MATH	IB MATHEMATICS	1900
3037	IB MATH CMPT	IB MATHEMATICS AND COMPUTING-SL	1900

## MATHEMATICS (continued)

### Courses with State-Written CSOs:

3024	ALG SUPPORT	ALGEBRA SUPPORT	1900, 1905
3041	ALGEBRA II	ALGEBRA II	1900
3043	GEOMETRY	APPLIED GEOMETRY	1900
3044	CNCPTL MATH	CONCEPTUAL MATH	1900
3045	GEOMETRY	GEOMETRY	1900
3046	PRE-CALC	PRE-CALCULUS	1900
3047	PROB & STAT	PROBABILITY & STATISTICS	1900
3048	TRIG	TRIGONOMETRY	1900
3051	ALGEBRA III	ALGEBRA III	1900
3052	TRANS MATH SRS	TRANSITION MATH <b>FOR SENIORS</b>	1900
3144	CALCULUS	CALCULUS	1900

### Electives with Content Descriptions (range of numbers can be used at discretion of local level):

3101	APPLD MATH	APPLIED MATH	1900, 1905
3107	ASST MATH	ASSISTED MATH	1900, 1905



## MISCELLANEOUS: INSTRUCTIONAL

Endorsement codes utilized in this section:

4500 Gifted  
7700 ROTC

Note: Courses that have no endorsement listed will be monitored on an individual basis.

**Note:** Course codes 7601 through 7667 do not have to have local CSOs submitted to WVDE. Before any course can be used for the range of numbers 7676-7690, however, local CSOs must be approved by the local Board of Education.

7601	ACAD GAMES	ACADEMIC GAMES/WV CHALLENGE	
7602	ACAD ENRICH	ACADEMIC ENRICHMENT (elementary/middle school levels only)	4500
7603	AL PRC/WRKPL	ALTERNATE PROCESS/WORKPLACE SKILLS	
7610	DAILY LIVING SKLS	DAILY LIVING SKILLS	
7611	SOCIAL SKILLS	SOCIAL SKILLS	
7612	SUPPORTED EMPL	SUPPORTED EMPLOYMENT	
7613	WORKPLACE SKLS	WORKPLACE SKILLS	
7620	DIGITAL CITIZEN	DIGITAL CITIZENSHIP	
7621	BRAILLE	BRAILLE	
7623	BUS SAFETY	BUS SAFETY	
7625	CAREER AWR	CAREER AWARENESS	
7627	CAREER EXP	CAREER EXPLORATION	
7629	CAREER PREP	CAREER PREPARATION	
7631	COMMUN SERV	COMMUNITY SERVICES	
7633	DVLP GUID	DEVELOPMENTAL GUIDANCE	
7635	DROP PREV	DROPOUT PREVENTION	
7636	FUNCT ACAD	FUNCTIONAL ACADEMICS	
7637	HOTS	HOTS (HIGHER ORDER THINKING SKILLS)	
7639	INTRO CLUST	INTRODUCTION TO CAREER CLUSTERS	
7641	INTRO MAJOR	INTRODUCTION TO CAREER MAJORS	
7643	JOBS WV GRAD	JOBS FOR WEST VIRGINIA GRADUATES	
7645	JROTC	JROTC	7700
7651	LDRSHIP	LEADERSHIP/STUDENT COUNCIL	
7653	LRN SKILLS	LEARNING SKILLS	
7655	LIBRARY	LIBRARY	
7656	RETEACH/ENRCH	RETEACH/ENRICH	
7657	ODYSSEY	ODYSSEY OF THE MIND/CREATIVE PROBLEM SOLVING	
7658	EXP/ENRCH	EXPLORE/ENRICH (elementary/middle school levels only)	
7659	SIGN LANG I	SIGN LANGUAGE I	
7660	SIGN LANG II	SIGN LANGUAGE II	
7661	TEST STRAT	TEST STRATEGIES	
7665	WORK BASE	WORK-BASED EXPERIENCE	
7666	ENRG RES TECH	ENERGY RESOURCES TECHNOLOGY	
7667	KEYS-INNVIS	KEYS TO INNERVISIONS	
7672	COLLEGE CRSE	RELEASE TO COLLEGE FOR COLLEGE COURSES	
7691	CUL-ENRICH	CULTURAL ENRICHMENT	
7692	GLOBALORIA 1	GLOBALORIA 1	
7693	GLOBALORIA 2	GLOBALORIA 2	

## MISCELLANEOUS: INSTRUCTIONAL (continued)

### Non-CTE Courses

0760	ADV HTH SCI SEM	ADVANCED HEALTH SCIENCE SEMINAR	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7603, 7606, 7607, 7608, 7610
0921	PRSL RES MGMT	PERSONAL RESOURCE MANAGEMENT	1601, 1700, 1705, 1706, 7185, 7316
1021	SCH AGE GWTH	SCHOOL AGE GROWTH AND DEVELOPMENT	1601, 1605, 1700, 1705, 1706
1022	ED PROF	THE EDUCATION PROFESSION	1601, 1605, 1700, 1705, 1706
1023	ELEM SCH AIDE	ELEMENTARY SCHOOL AIDE	1601, 1605, 1700, 1705, 1706
1036 1415	SEM SEC/PRO SR BUS CMPT LIT	SEMINAR IN SECURITY AND PROTECTIVE SRVS BUSINESS COMPUTER LITERACY	***** 0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1461	CMPTR APL I	COMPUTER APPLICATIONS I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1463	CMPTR APL II	COMPUTER APPLICATIONS II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1606	AC-AIRPRO DSTR	AIR PROPERTIES AND DISTRIBUTION	7083
1609	ADV DUCT WRK	DUCTWORK FABRICATION	7083
1699	NET-INTERN	NETWORKING INTERNSHIP	***
1704	CMPSYS STS	SPECIAL TOPICS IN SOFTWARE	***
1707	CMPSY-SFTWR	SYSTEM SOFTWARE	***
1724	CMPDRFT ELEC	ELECTRICAL/ELECTRONICS DRAFTING	7011, 7105
1773	ELEC-SPL APPS	SPECIAL APPLICATIONS IN ELECTRONICS	7030, 7031, 7035
1824	BLDCNS-ADV FP	FRAMING PRACTICES AND APPLICATIONS	7021, 7028
1825	BLDCNS-FOUND	FOUNDATION AND FRAMING	7021, 7028
1826	BLDCNS-EXTR FSH	EXTERIOR FINISH CARPENTRY	7021, 7028
1828	BLDCNS-BLDCNS	BUILDING CONSTRUCTION APPLICATIONS	7021, 7028
1912	MSNRY-ADVMP	ADVANCED MASONRY PROCEDURES	7022
1919	MSNRY-FUND	FUNDAMENTALS OF MASONRY	7022
1981	WELD-ARC	ARC WELDING	7052
1995	WELD-THERMAL	THERMAL CUTTING AND WELDING	7052
2142	PLBG CNSTR SFTY	PLUMBING CONSTRUCTION SAFETY	7023
2143	PLBG FUND TRD	FUNDAMENTALS OF THE PLUMBING TRADE	7023
2144	PLBG BASIC	BASIC PLUMBING	7023
2210	EM RES TERR	EMERGENCY RESPONSE TO TERRORISM	*****
2421	COMM SYSTEMS	COMMUNICATIONS SYSTEMS	0608, 1800, 1801, 1802
2424	CNSTR SYSTEMS	CONSTRUCTION SYSTEMS	0608, 1800, 1801, 1802
2436	FOUND ENGR	FOUNDATIONS IN ENGINEERING	1800, 1801, 1802, 1803
2442	MFG SYSTEMS	MANUFACTURING SYSTEMS	0608, 1800, 1801, 1802
2445	MECH SRV SYS	MECHANICAL SERVICES SYSTEMS	0608, 1800, 1801, 1802, 7070, 7076, 7083
2448	TRANSPRT SYS	TRANSPORTATION SYSTEMS	0608, 1800, 1801, 1802
2451	FUND MIL/CAB	FUNDAMENTALS OF MILLWORK AND CABINETMAKING	0608, 1800, 1801, 1802, 7092

## MISCELLANEOUS: INSTRUCTIONAL (continued)

### Electives from Approved Local CSOs

3065	CALC RECI (MON)	CALCULUS RECITATION (MONONGALIA COUNTY)	1900
7670	INTR-DGTL TC	INTRODUCTION TO DIGITAL TECHNOLOGY	
7671	EAGLES NEST	EAGLES' NEST PROGRAM	
7673	REAL ENTRPRN	REAL ENTREPRENEURSHIP	
7674	ETS-LODGEI	EMPLOYMENT TRAINING SKILLS - HOTELS & LODGING I	
7675	ETS-LODGEII	EMPLOYMENT TRAINING SKILLS - HOTELS & LODGING II	
7676	LINKS	LINKS	
7677	COLLEGE 101	COLLEGE 101	
7678	CAREER SKILLS	CAREER SKILLS	
7679	CAREER ACADEMIC	CAREER ACADEMICS	
7680	FRESHMAN ACAD	FRESHMAN ACADEMY – ROANE	
7681	9 <sup>TH</sup> GRD ACADEMY	MCDOWELL COUNTY 9 <sup>TH</sup> GRADE ACADEMY	
7682	S.T.E.M. 101	S.T.E.M. 101 – CABELL COUNTY	1900, 1905, 2500, 2600, 2700, 2705, 2710, 2800, 2900, 2910, 2915
7683	CUL CHE/BOT&NUT	CULINARY CHEMISTRY/BOTANY & NUTRITION/PLEASANTS	2700, 2705, 2710, 2800
7684	MATH LAB	MATH LAB	
7685	EXP DESIGN/MOR	EXPERIMENTAL DESIGN – MORGAN	****
7686	DIVERS COOP ED	DIVERSIFIED COOPERATIVE EDUCATION – MONROE	****
7687	FLUID POWER	FLUID POWER – MORGAN	****
7688	21 <sup>ST</sup> LRNG SKS K-8	21 <sup>ST</sup> CENTURY LEARNING SKILLS (K-8) – GRANT	****
7689	MECHATRONICS	MECHATRONICS – MORGAN	****
7690	INTR TECH/CP/FIN	INTRO TECHNOLOGY, CAR PREP & PER FIN – BROOKE	0400, 0419, 0600, 0605
7694	MATH II SUPPORT	MATH II SUPPORT - UPSHUR	
7695	RR184 RT THRY I	RR 184 REALTIME THEORY I (HJC DUAL ENROLL)-CABELL	****
7696	RR185 RT THRY II	RR 185 REALTIME THEORY II (HJC DUAL ENROLL)-CABELL	****
7697	WV STUDIES 9 <sup>TH</sup>	WEST VIRGINIA STUDENTS 9 <sup>TH</sup> GRADE – UPSHUR	3000
7698	HIGH SCHOOL 101	HIGH SCHOOL 101 – UPSHUR	
7699	CRIMINAL JUST	CRIMINAL JUSTICE - DODDRIDGE	
7710	PAINTING II	PAINTING II – MASON	0300
7711	DRAWING III	DRAWING III – MASON	0300
7712	DRAWING IV	DRAWING IV – MASON	0300
7715	CSII/ADV DATA ST	CSII – ADVANCE DATA STRUCTURES - RANDOLPH	N/A
7716	INTRO ENGR	INTRODUCTION TO ENGINEERING – KANAWHA	2500, 2700
7720	INTRO ORG CHEM	INTRODUCTION TO ORGANIC CHEMISTRY – MASON	2700, 2710, 2800

## MISCELLANEOUS: INSTRUCTIONAL (continued)

### Electives from Approved Local CSOs - Local Concentration

#### LC0001 FAMILY AND DEVELOPMENTAL RELATIONSHIPS – DODDRIDGE

**Required Courses:**

0903	PSF	PARENTING & STRONG FAMILIES (8-12)	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7714, (3600, 3601, 3602, 3603, 3605, 3606)* *Must also be certified in appropriate grade levels of students they are instructing.
0928	FUND HUM SRV	FUNDAMENTALS OF HUMAN SERVICES	1600, 1700, 1705, 1706, 7627, 7714
0929	LIFE	LEARNING FOR INDEPENDENCE FAMILY & EMPLOYMENT (9-11)	1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7185, 7316, 7317, 7626, 7627, 7714
0951	FOOD PREP	FOOD PREPRATION	1700, 1705, 1706, 7094, 7095, 7097

#### LC0002 AVIATION TECHNOLOGY - HARRISON

**Required Courses:**

7701	INTRO AVIATE MNT	INTRODUCTION TO AVIATION MAINTENANCE	*****
7702	AVIAT SHOP PRAC	AVIATION SHOP PRACTICES	*****
7703	AIRCFT UTIL SYS	AIRCRAFT UTILITY SYSTEMS	*****
7704	AIRCFT SHT MTL ST	AIRCRAFT SHEET METAL STRUCTURES	*****

#### LC0003 CUSTODIAL SERVICES ASSISTANT - MASON

**Required Courses:**

2240**	CUSTODIAL SRV 1	CUSTODIAL SERVICES 1	*****
2241**	CUSTL SRV WE 1	CUSTODIAL SERVICES WORK EXPERIENCE 1	*****
2252**	CUSTODIAL SRV 2	CUSTODIAL SERVICES 2	*****
2253**	CUSTL SRV WE 2	CUSTODIAL SERVICES WORK EXPERIENCE 2	*****

#### LC0004 HUMAN SERVICES ASSISTANT - MASON

**Required Courses:**

0903	PSF	PARENTING & STRONG FAMILIES (8-12)	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7714, (3600, 3601, 3602, 3603, 3605, 3606)* *Must also be certified in appropriate grade levels of students they are instructing.
0928	FUND HUM SRV	FUNDAMENTALS OF HUMAN SERVICES	1600, 1700, 1705, 1706, 7627, 7714
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7185, 7606, 7607, 7608, 7628, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000

## MISCELLANEOUS: NON-INSTRUCTIONAL

7801	CLUBS	CLUBS/EXTRACURRICULAR ACTIVITIES
7803	CUST AIDE	CUSTODIAL AIDE
7805	HOMEROOM	HOMEROOM
7807	INTERNSHIP	INTERNSHIP
7809	LUNCH	LUNCH
7811	MENTORSHIP	MENTORSHIP
7813	MEDIA ASST	MULTI-MEDIA ASSISTANT
7815	OFFICE ASST	OFFICE ASSISTANT
7817	OUTSIDE SCH	OUTSIDE SCHOOL ENVIRONMENT
7819	PEER COUNS	PEER COUNSELING
7821	PLANNING	PLANNING
7823	RECESS	RECESS
7827	TEACHER AIDE	TEACHER AIDE
7829	TEACHER DUTY	TEACHER DUTY
7831	TUTOR	TUTORING
7833	INSTR GUIDE	INSTRUCTIONAL GUIDANCE
7861	CONDUCT	CONDUCT (elementary level)
7865	CONFLICT MAN	CONFLICT MANAGEMENT

## PHYSICAL EDUCATION

Endorsement codes utilized in teaching **Physical Education**:

2050	Dance	3600	Elementary Education
2200	Health & Physical Education	3601	Early Childhood
2210	Physical Education	3602	Primary
2215	Physical Education/Health/Safety	3603	Early Education
2250	Wellness	3605	Multi-subjects

**Required Courses:**

6600	PHYS ED K	PHYSICAL EDUCATION K	2200, 2210, 2215, 2250, 3600, 3601, 3602, 3603, 3605
6601	PHYS ED 1	PHYSICAL EDUCATION 1	2200, 2210, 2215, 2250, 3600, 3601, 3602, 3605
6602	PHYS ED 2	PHYSICAL EDUCATION 2	2200, 2210, 2215, 2250, 3600, 3601, 3602, 3605
6603	PHYS ED 3	PHYSICAL EDUCATION 3	2200, 2210, 2215, 2250, 3600, 3601, 3602, 3605
6604	PHYS ED 4	PHYSICAL EDUCATION 4	2200, 2210, 2215, 2250, 3600, 3601, 3605
6605	PHYS ED 5	PHYSICAL EDUCATION 5	2200, 2210, 2215, 2250, 3600, 3605
6606	PHYS ED 6	PHYSICAL EDUCATION 6	2200, 2210, 2215, 2250, 3600, 3605
6607	PHYS ED 7	PHYSICAL EDUCATION 7	2200, 2210, 2215, 2250
6608	PHYS ED 8	PHYSICAL EDUCATION 8	2200, 2210, 2215, 2250
6609	PHYS ED HS	PHYSICAL EDUCATION 9-12	2200, 2210, 2215, 2250

**Required Courses to be Offered:**

6621*	DANCE I-PE	DANCE I	2050, 2200, 2210, 2215, 2250
6622*	DANCE II-PE	DANCE II	2050, 2200, 2210, 2215, 2250
6623*	DANCE III-PE	DANCE III	2050, 2200, 2210, 2215, 2250
6624*	DANCE IV-PE	DANCE IV	2050, 2200, 2210, 2215, 2250

**Electives with Content Descriptions:**

6701	CORPS MOVE	CORPS MOVEMENT	2200, 2210, 2215, 2250
6709	FITNESS/COND	FITNESS/CONDITIONING ACTIVITIES	2200, 2210, 2215, 2250
6717	GYMNASTICS	GYMNASTICS	2200, 2210, 2215, 2250
6725	INDV/DL SPRT	INDIVIDUAL/DUAL SPORTS	2200, 2210, 2215, 2250
6733	LIFE FITNESS	LIFETIME FITNESS EDUCATION	2200, 2210, 2215, 2250
6741	RCRTN SPORT	RECREATION SPORTS	2200, 2210, 2215, 2250
6749	SPORT PHYSIO	SPORTS PHYSIOLOGY	2200, 2210, 2215, 2250
6757	TEAM SPORT	TEAM SPORTS	2200, 2210, 2215, 2250
6765	WEIGHT TRN	WEIGHT TRAINING	2200, 2210, 2215, 2250

**\*Choose course code number 6621-6624 when a Physical Education credit is given; otherwise, choose course codes 3401-3404.**

## READING

Endorsement codes utilized in teaching **Reading**:

0800	Language Arts	3603	Early Education
1000	English	3605	Multi-subjects
1001	English Language Arts	4300	Reading Specialist
3600	Elementary Education	4301	Reading Endorsement
3601	Early Childhood	4400	Reading Teacher
3602	Primary	4410	Developmental Reading
		4420	Remedial Reading

### Electives ONLY

4806	DEVLP READ 6	DEVELOPMENTAL READING 6	0800, 1000, 1001, 3600, 3605, 4300, 4301
4807	DEVLP READ 7	DEVELOPMENTAL READING 7	0800, 1000, 1001, 3600, 3605, 4300, 4301, 4410
4808	DEVLP READ 8	DEVELOPMENTAL READING 8	0800, 1000, 1001, 3600, 3605 4300, 4301, 4410
4810	READ SUPPORT	READING SUPPORT	0800, 1000, 1001, 3600, 3605 4300, 4301, 4410

## SCIENCE

### Endorsement codes utilized for teaching **Science**:

2500	Physics	2915	General/Physical Science
2600	Biological Sciences	3600	Elementary Education
2700	Chemistry	3601	Early Childhood
2705	Chemistry through Chemistry I	3602	Primary
2710	Chemistry/Physics	3603	Early Education
2800	Physical Science	3605	Multi-subjects
2900	General Science		
2910	Earth/Space Science		

### Required Courses:

6000	SCIENCE K	SCIENCE KINDERGARTEN	3600, 3601, 3602, 3603, 3605
6001	SCIENCE 1	SCIENCE 1 <sup>st</sup> GRADE	3600, 3601, 3602, 3605
6002	SCIENCE 2	SCIENCE 2 <sup>nd</sup> GRADE	3600, 3601, 3602, 3605
6003	SCIENCE 3	SCIENCE 3 <sup>rd</sup> GRADE	3600, 3601, 3602, 3605
6004	SCIENCE 4	SCIENCE 4 <sup>th</sup> GRADE	2500, 2600, 2700, 2710, 2800, 2900, 3600, 3601, 3605
6005	SCIENCE 5	SCIENCE 5 <sup>th</sup> GRADE	2500, 2600, 2700, 2710, 2800, 2900, 2910, 2915, 3600, 3605
6006	SCIENCE 6	SCIENCE 6 <sup>th</sup> GRADE	2500, 2600, 2700, 2710, 2800, 2900, 2910, 2915, 3600, 3605
6007	SCIENCE 7	SCIENCE 7 <sup>th</sup> GRADE	2500, 2600, 2700, 2710, 2800, 2900, 2910, 2915
6008	SCIENCE 8	SCIENCE 8 <sup>th</sup> GRADE	2500, 2600, 2700, 2710, 2800, 2900, 2910, 2915
6011	PHYSSCI9	PHYSICAL SCIENCE FOR 9 <sup>TH</sup> Grade	2500, 2600, 2700, 2710, 2800, 2900, 2910

### Required Courses to be Offered:

6021	BIOLOGY	BIOLOGY	2600, 2650
6022	BIO CNCP	BIOLOGY CONCEPTUAL	2600, 2650
6031	CHEMISTRY	CHEMISTRY	2700, 2705, 2710, 2800
6032	CHEM CNC	CHEMISTRY CONCEPTUAL	2700, 2705, 2710, 2800
6041	PHYSICS	PHYSICS	2500, 2710, 2800
6103	HMN ANAT	HUMAN ANATOMY & PHYSIOLOGY 11/12	2600
6104	HMN ANAT LAB	HUMAN ANATOMY & PHYSIOLOGY 11/12 LAB	2600
6201	EARTH SC	EARTH SCIENCE 11/12	2500, 2600, 2700, 2710, 2800, 2900, 2910

### Electives with CSOs

6312	ENVIRO SCI	ENVIRONMENTAL SCIENCE	2600, 2700, 2710, 2800, 2900, 2910
6042	PHYS CNC	PHYSICS CONCEPTUAL	2500, 2710, 2800
6023	BIOLOGY II	BIOLOGY II	2600
6033	CHEMISTRY II	CHEMISTRY II	2700, 2710, 2800
6043	PHYSICS II	PHYSICS II	2500, 2710, 2800
6044	FORENSIC SCI	FORENSIC SCIENCE	2500, 2600, 2700, 2705, 2710, 2800, 2900, 2910, 2915



## SCIENCE (continued)

### Advanced Placement (College Board)/IB:

6121	AP BIOLOGY	BIOLOGY ADVANCED PLACEMENT	2600
6122	AP BIO LAB	BIOLOGY LAB ADVANCED PLACEMENT	2600
6221	AP ENV SCI	ENVIRONMENTAL SCIENCE AP	2500, 2600, 2700, 2710, 2800, 2900, 2910
6321	AP CHEM	CHEMISTRY ADVANCED PLACEMENT	2700, 2710, 2800
6322	AP CHEM LAB	CHEMISTRY LAB ADVANCED PLACEMENT	2700, 2710, 2800
6323	AP PHYSICS B	PHYSICS B ADVANCED PLACEMENT	2500, 2710, 2800
6324	AP PHYSICS LB	PHYSICS LAB B ADVANCED PLACEMENT	2500, 2710, 2800
6325	AP PHYSICS C	PHYSICS C ADVANCED PLACEMENT	2500, 2710, 2800
6324	AP PHYSICS LC	PHYSICS LAB C ADVANCED PLACEMENT	2500, 2710, 2800
6326	AP PHYSICS 1	AP PHYSICS 1	2500, 2710, 2800
6327	AP PHYSICS 2	AP PHYSICS 2	2500, 2710, 2800
6131	IB BIOLOGY	IB BIOLOGY	2600
6331	IB CHEMISTRY	IB CHEMISTRY	2700, 2710, 2800
6332	IB PHYSL SCI	IB PHYSICAL SCIENCE	2500, 2700, 2710, 2800
6333	IB PHYSICS	IB PHYSICS	2500, 2710, 2800
6334	IB SPT, EXER, HTHS	IB SPORTS, EXERCISE AND HEALTH SCIENCE (SL)	2500, 2600, 2700, 2710, 2800, 2900, 2910, 2915

### Electives with Content Descriptions (range of numbers can be used at discretion of local level):

6061	TOP-INTGR SC	INTEGRATED SCIENCE-SPECIFIC TOPICS	2500, 2600, 2700, 2710, 2800, 2900, 2910, 2915
6064	FOREN SCI I – KAN	FORENSIC SCIENCE I (KANAWHA COUNTY)	*****
6065	FOREN SCI II – KAN	FORENSIC SCIENCE II (KANAWHA COUNTY)	*****
6161	TOP-LIFE SC	LIFE SCIENCE-SPECIFIC TOPICS	2600
6261	TOP-EARTH SC	EARTH AND SPACE SCIENCE-SPECIFIC TOPICS	2500, 2600, 2700, 2710, 2800, 2900, 2910
6262	ASTRONOMY	ASTRONOMY – Various Districts with Local CSOs	2500, 2600, 2700, 2710, 2800, 2900, 2910
6270	ZOOLOGY	ZOOLOGY – BOONE CTY	2500, 2600, 2700, 2710, 2800, 2900, 2910b
6361	TOP-PHYSL SC	PHYSICAL SCIENCE-SPECIFIC TOPICS	2500, 2700, 2710, 2800

## SOCIAL STUDIES

Endorsement codes utilized in teaching **Social Studies**:

3000	Social Studies	3600	Elementary Education
3006	Economics	3601	Early Childhood
3010	Geography	3602	Primary
3015	History	3603	Early Education
3020	Political Science	3605	Multi-subjects

### Required Courses:

7000	SOC ST K	SOCIAL STUDIES K	3600, 3601, 3602, 3603, 3605
7001	SOC ST 1	SOCIAL STUDIES 1	3600, 3601, 3602, 3605
7002	SOC ST 2	SOCIAL STUDIES 2	3600, 3601, 3602, 3605
7003	SOC ST 3	SOCIAL STUDIES 3	3600, 3601, 3602, 3605
7004	SOC ST 4	SOCIAL STUDIES 4	3000, 3600, 3601, 3605
7005	SOC ST 5	SOCIAL STUDIES 5	3000, 3015, 3600, 3605
7006	SOC ST 6	SOCIAL STUDIES 6	3000, 3010, 3600, 3605
7007	SOC ST 7	SOCIAL STUDIES 7	3000, 3010
7008	WV STUDIES-8	SOCIAL STUDIES 8 - WEST VIRGINIA STUDIES	3000
7009	US STUDIES	U.S. STUDIES	3000, 3015
7010	WRLD STUDIES	WORLD HISTORY	3000, 3015
7011	CONTEMP STDS	CONTEMPORARY STUDIES	3000, 3015
7031	CIVIC NXT GEN	CIVICS FOR NEXT GENERATION	3000, 3020

### Required Courses to be offered:

7032	ECONOMICS	ECONOMICS	3000, 3006
7033	GEOGRAPHY	GEOGRAPHY	3000, 3010

### Advanced Placement (College Board)/IB:

7041	AP ECONOMICS	ECONOMICS AP	3000, 3006
7042	AP GEOGRAPHY	GEOGRAPHY: HUMAN GEOGRAPHY AP	3000, 3010
7043	AP GV/PL-CMP	GOVERNMENT & POLITICS: COMPARATIVE AP	3000, 3020
7044	AP GV/PL-US	GOVERNMENT & POLITICS: U.S. AP	3000, 3020
7045	AP EURPN HST	HISTORY: EUROPEAN AP	3000, 3015
7046	AP US HSTRY	HISTORY: U. S. AP	3000, 3015
7047	AP PSYCHOLOG	PSYCHOLOGY AP	3000
7048	AP WORLD HST	HISTORY: WORLD AP	3000, 3015
7051	IB ECONOMICS	IB ECONOMICS	3000, 3006
7052	IB GEOGRAPHY	IB GEOGRAPHY	3000, 3010
7053	IB HISTORY	IB HISTORY	3000, 3015
7054	IB PHILOSOPH	IB PHILOSOPHY	3000
7055	IB PSYCHOLOG	IB PSYCHOLOGY	3000
7056	IB SOC ANTHR	IB SOCIAL ANTHROPOLOGY	3000

## SOCIAL STUDIES (continued)

**Electives with Content Descriptions** (range of numbers can be used at discretion of local level):

### Citizenship

7101	SS-BUS LAW	BUSINESS LAW	3000, 3020
7117	TOP CITIZEN	TOPICS IN CITIZENSHIP	3000, 3020

### Civics/Government

7139	POLI SCI	POLITICAL SCIENCE	3000, 3020
7147	TOP/GVT/POL	TOPICS IN GOVERNMENT/POLITICS	3000, 3020

### Economics

7165	TOP ECON	TOPICS IN ECONOMICS	3000, 3006
------	----------	---------------------	------------

### Geography

7181	TOP GEOGRAPHY	TOPICS IN GEOGRAPHY	3000, 3010
7189	WRLD GEOGRPH	WORLD GEOGRAPHY	3000, 3010

### History

7237	TOP US HISTORY	TOPICS IN U.S. HISTORY	3000, 3015
------	----------------	------------------------	------------

7243	TOP WRLD HSTY	TOPICS IN WORLD HISTORY	3000, 3015
------	---------------	-------------------------	------------

### Other

7301	ANTHROPOLOGY	ANTHROPOLOGY	3000
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
7361	WV SPEC STD	WEST VIRGINIA-SPECIFIC STUDIES	3000

## CAREER AND TECHNICAL EDUCATION: FOUNDATION COURSES

**The following courses are foundation/exploratory and are considered non-occupational**

0290	EXPLORE AG	EXPLORATION IN AGRICULTURE (5-8)	0200, 0201
0295	EXP/BNS/MKT/ENTR	EXPLORING BUSINESS, MARKETING & ENTREPRENEURIALSHIP (5-8)	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0700	EX HLTH PROF	EXPLORING HEALTH PROFESSIONS (5-12)	2200, 2205, 2215, 2250, 2500, 2600, 2800, 2900, 3605, 7041, 7042, 7043, 7045, 7048, 7171, 7172,
0901	LIFE CONNECT	LIFE CONNECTIONS (12)	1601, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7185, 7316, 7317, 7626, 7627, 7714
0903	PSF	PARENTING & STRONG FAMILIES (8-12)	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7714, (3600, 3601, 3602, 3603, 3605, 3606)* *Must also be certified in appropriate grade levels of students they are instructing.
0922	BASE	LIFE BASICS (5-8)	1601, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7185, 7316, 7317, 7626, 7627, 7714
0929	LIFE	LEARNING FOR INDEPENDENCE FAMILY & EMPLOYMENT (9-11)	1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7185, 7316, 7317, 7626, 7627, 7714
0941 0954	AD-HOUS/INTR FD FOOD PREP	APPLIED DESIGN – HOUSING AND INTERIOR DESIGN (9-12) FOUNDATIONAL FOOD PREPARATION (9-12)	1601, 1700, 1705, 1706 1700, 1705, 1706, 7094, 7095, 7097
0961 1404	AD-FASHION (9-12) BUS PREP	APPLIED DESIGN: FASHION (9-12) BUSINESS PREP (5-8)	1601, 1700, 1705, 1706 0400, 0419, 0500, 0519, 0600, 0605
1441	KYBD	KEYBOARDING (5-12)	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1893	GW TCH AUT/ROB	GATEWAY TO TECHNOLOGY AUTOMATION AND ROBOTICS	7705
1894	GW TCH DSGN/MOD	GATEWAY TO TECHNOLOGY DESIGN AND MODELING	7705
1895	GW TCH EGY/ENV	GATEWAY TO TECHNOLOGY ENERGY & ENVIRONMENT	7705
1896	GW TCH FLHT/SP	GATEWAY TO TECHNOLOGY FLIGHT AND SPACE	7705
1897	GW TCH GR ARCH	GATEWAY TO TECHNOLOGY GREEN ARCHITECTURE	7705
1898	GW TCH MAG ELEC	GATEWAY TO TECHNOLOGY MAGIC OF ELECTRONICS	7705
1899	GW TCH SCI TECH	GATEWAY TO TECHNOLOGY SCIENCE OF TECHNOLOGY	7705
1900	GW TCH MED DET	GATEWAY TO TECHNOLOGY MEDICAL DETECTIVES	7705
2405	EXPLOR TECH 5	MIDDLE EXPLORING TECHNOLOGY 5	0608, 1800, 1801, 1802
2406	EXPLOR TECH 6	MIDDLE EXPLORING TECHNOLOGY 6	0608, 1800, 1801, 1802
2407	EXPLOR TECH 7	MIDDLE EXPLORING TECHNOLOGY 7	0608, 1800, 1801, 1802
2408	EXPLOR TECH 8	MIDDLE EXPLORING TECHNOLOGY 8	0608, 1800, 1801, 1802
2409	EXPLOR TECH 9	MIDDLE EXPLORING TECHNOLOGY 9	0608, 1800, 1801, 1802
7664	TOUR WV (5-12)	TOURING WEST VIRGINIA (5-12)	Appropriate for Grade Level

**CAREER AND TECHNICAL EDUCATION:  
FOUNDATION COURSES  
(Continued)**

**OPTION PATHWAY**

**Required Courses:**

7901	LA/READING	LANGUAGE ARTS/READING
7902	LA/WRITING	LANGUAGE ARTS/WRITING
7903	MATH	MATH
7905	SCIENCE	SCIENCE
7906	SOC ST	SOCIAL STUDIES

SEE THE OPTION PATHWAY SECTION AT THE FRONT OF THE MANUAL FOR ADDITIONAL INFORMATION ON THE OPTION PATHWAY.

## CAREER AND TECHNICAL EDUCATION: AGRICULTURAL, FOOD AND NATURAL RESOURCES CLUSTER (AG)

### Endorsement codes utilized in teaching **Agricultural Education**:

0200	Vocational Agriculture	7070	Industrial Equipment Maintenance
0201	Agricultural Education	7404	Horticulture
0227	Parks and Recreation Management	7410	Forestry
2301	Mine Orientation 80 Hours	7430	Oil and Gas Extraction and Distribution
2302	Mine Orientation 40 Hours		

Students shall receive ½ credit per academic year based on completion of approved SAE and submission of approved documentation. Two years must be completed to meet requirement. Refer to Guidelines to Awarding SAE Credit document for more information.

### **AG0275 IWRC AGRICULTURE FOOD AND NATURAL RESOURCES**

APPROVED CONCENTRATION POWER, STRUCTURAL & TECHNICAL SYSTEMS  
 APPROVED CONCENTRATION NATURAL RESOURCES MANAGEMENT  
 APPROVED CONCENTRATION ANIMAL PROCESSING

### **AG0280 CIEL AGRICULTURE SCIENCE AND NATURAL RESOURCES**

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### **AGRIBUSINESS SYSTEMS PATHWAY**

#### **AG0120 AGRIBUSINESS SYSTEMS**

#### **Required Courses:**

0101	INTR AG FD & NAT	INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES	0200, 0201
0102	SCI AG	THE SCIENCE OF AGRICULTURE	0200, 0201
0134	AG EXPER PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201

#### **SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0112	FUND AG MECH	FUNDAMENTALS OF AGRICULTURE MECHANICS	0200, 0201
0136	ADV PRIN AG	ADVANCED PRINCIPLES OF AGRICULTURE	0200, 0201
0139	FUND ANML PROC	FUNDAMENTALS OF ANIMAL PROCESSING	0200, 0201
0140	ANML PROD MGMT	ANIMAL PRODUCTION AND MANAGEMENT	0200, 0201
0183	FOREST MGMT	FOREST MANAGEMENT	0200, 0201, 7410
0212	HORTICULTURE	HORTICULTURE	0200, 0201, 7404
0200	NATL RESC MGMT	NATURAL RESOURCES MANAGEMENT	0200, 0201, 7410
0132	AG BIOTECH	AGRICULTURAL BIOTECHNOLOGY	0200, 0201

#### **Recommended Electives:**

0133	AG COOP ED	AGRICULTURAL COOPERATIVE EDUCATION	0200, 0201
0146	LEADERSHIP	LEADERSHIP DEVELOPMENT	0200, 0201
0184	TIMBER MGMT	TIMBER MANAGEMENT	0200, 0201, 7410
0201	GROUND MAINT	GROUPS MAINTENANCE	0200, 0201, 7410
2007	EQSTRN SCI	EQUINE SCIENCE	0200, 0201

**CAREER AND TECHNICAL EDUCATION:  
AGRICULTURAL, FOOD AND NATURAL RESOURCES CLUSTER (AG)  
(Continued)**

**ANIMAL SYSTEMS PATHWAY**

**AG0220 ANIMAL SYSTEMS**

**Required Courses:**

0101	INTR AG FD & NAT	INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES	0200, 0201
0134	AG EXPER PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201
0140	ANML PROD MGMT	ANIMAL PRODUCTION AND MANAGEMENT	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0141	AQUACULTURE	AQUACULTURE	0200, 0201
0149	COMP ANIMAL CAR	COMPANION ANIMAL CARE	0200, 0201
0230	LIVESTOCK PROD	LIVESTOCK PRODUCTION	0200, 0201
2007	EQSTRN SCI	EQUINE SCIENCE	0200, 0201

**Recommended Electives:**

0133	AG COOP ED	AGRICULTURAL COOPERATIVE EDUCATION	0200, 0201
0146	LEADERSHIP	LEADERSHIP DEVELOPMENT	0200, 0201

**AG0221 CASE ANIMAL SCIENCE**

**Required Courses:**

0161	CASE - INTRO	CASE -INTRO TO AGRI, FOOD & NATURAL RESOURE	0200, 0201
0162	CASE PRI AG SCI A	CASE – PRINCIPLES OF AG SCIENCE - ANIMAL	0200, 0201
0163	CASE AG B,R & D	CASE – AG BUSINESS, RESEARCH AND DEVELOPMENT	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0164	CASE ANM/PLT BIO	CASE ANIMAL AND PLANT BIOTECHNOLOGY	0200, 0201
0165	CASE FD SCI/SFTY	CASE FOOD SCIENCE AND SAFETY	0200, 0201

**AG0222 VIRTUAL ANIMAL SCIENCE**

**Required Courses:**

0167	VRTL INTRO AGAS	VIRTUAL INTRODUCAION TO AG & ANIMAL SCIENCE	****
0168	VRTL VET SCI	VIRTUAL VET SCIENCE	****
0134	AG EXPER PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201
0169	VRTL LVSTK PROD	VIRTUAL LIVESTOCK PRODUCTION	****

**FOOD PRODUCTS AND PROCESSING SYSTEMS PATHWAY**

**AG0230 ANIMAL PROCESSING**

**Required Courses:**

0101	INTR AG FD & NAT	INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES	0200, 0201
0139	FUND ANML PROC	FUNDAMENTALS OF ANIMAL PROCESSING	0200, 0201
0134	AG EXPER PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0151	ANIMAL PROC RTL	ANIMAL PROCESSING – RETAIL	0200, 0201
0160	ANIMAL PROC PLT	ANIMAL PROCESSING – PLANT	0200, 0201

**Recommended Electives:**

0133	AG COOP ED	AGRICULTURAL COOPERATIVE EDUCATION	0200, 0201
0146	LEADERSHIP	LEADERSHIP DEVELOPMENT	0200, 0201

**CAREER AND TECHNICAL EDUCATION:  
AGRICULTURAL, FOOD AND NATURAL RESOURCES CLUSTER (AG)  
(Continued)**

**NATURAL RESOURCES SYSTEMS PATHWAY**

**AG0130 FOREST INDUSTRY**

**Required Courses:**

0182	FUND FOREST	FUNDAMENTALS OF FORESTRY	0200, 0201, 7410
0183	FOREST MGMT	FOREST MANAGEMENT	0200, 0201, 7410
0184	TIMBER MGMT	TIMBER MANAGEMENT	0200, 0201, 7410
0185	ADV PRINC FOREST	ADVANCED PRINCIPALS OF FORESTRY	0200, 0201, 7410

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**AG0170 NATURAL RESOURCES MANAGEMENT**

**Required Courses:**

0101	INTR AG FD & NAT	INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES	0200, 0201
0200	NATL RESC MGMT	NATURAL RESOURCES MANAGEMENT	0200, 0201, 7410
0134	AG EXPER PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0183	FOREST MGMT	FOREST MANAGEMENT	0200, 0201, 7410
0190	FISH & WLDLF MGT	FISH AND WILDLIFE MANAGEMENT	0200, 0201, 7410
2494	LAND MGT SURV	LAND MANAGEMENT AND SURVEYING	0200, 0201, 7410

**Recommended Electives:**

0133	AG COOP ED	AGRICULTURAL COOPERATIVE EDUCATION	0200, 0201
0146	LEADERSHIP	LEADERSHIP DEVELOPMENT	0200, 0201
0184	TIMBER MGMT	TIMBER MANAGEMENT	0200, 0201, 7410

**AG2180 MINING EXTRACTION**

**Required Courses:**

2470	BLUEPRT SUCC	BLUEPRINT FOR SUCCESS	ANY ENGINEERING TECHNICAL ENDORSEMENT
2490	MINING TECH	MINING TECHNOLOGY	2301, 2302

**SELECT TWO SPECIALIZATION COURSES** which meet local workforce needs

2491	MINING MECH SYS	MINING MECHANICAL SYSTEMS	0608, 1803, 7070, 7076, 7134
2492	WELD MINING EX	WELDING FOR MINING EXTRACTION	0202, 0200, 7052
2493	ELE MNT EGY/ME	ELECTRICAL MAINTENANCE FOR ENERGY/MINING EXTRX	7030, 7031, 7035, 7070, 7430
2495	ARCGIS	ARCGIS	Any Certified Teacher *Adv Credential Pending
1903	MCHTL-FUND	FUNDAMENTALS OF MACHINE TOOL TECHNOLOGY	7051, 7070, 7076
1875	INDEQ-HYDRL	HYDRAULICS & PNEUMATICS SYSTEMS	7069, 7070, 7076
1718	CAD INTRO	INTRODUCTION TO COMPUTER AIDED DRAFTING	1800, 1801, 1802, 1803, 1810, 7011, 7037, 7105, 7112, 7131, 7164, 7212, 7550
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 5060, 5061, 0600, 0603, 0605
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--



**CAREER AND TECHNICAL EDUCATION:  
AGRICULTURAL, FOOD AND NATURAL RESOURCES CLUSTER (AG)  
(Continued)**

**NATURAL RESOURCES SYSTEMS PATHWAY (continued)**

**AG2185 OIL AND GAS EXTRACTION AND DISTRIBUTION**

**Required Courses:**

2497	BASIC PROD MECH	BASIC PRODUCTION MECHANICS	0200, 0201, 7070, 7430
2496	ADV PROD MECH	ADVANCED PRODUCTION MECHANICS	0200, 0201, 7070, 7430

**SELECT TWO SPECIALIZATIONS COURSES WHICH MEET LOCAL WORKFORCE NEEDS**

1862	WELDING I	WELDING I	7052
1863	WELDING II	WELDING II	7052
1751	DSLEQ-FUND	FUND OF DIESEL EQUIPMENT TECHNOLOGY	7007
1744	DSLEQMT ELE CTL	ELECTRONIC ENGINE CONTROLS	7007
2493	EL MAINT EMEX	ELECTRICAL MAINTENANCE FOR ENERGY/MINING EXTRACTION	7030, 7031, 7035, 7070, 7430
1871	INDEQ-ELEC	ELECTRICAL MAINTENANCE	7070, 7076, 7030, 7031, 7035
1875	INDEQ-HYDRL	HYDRAULIC AND PNEUMATIC SYSTEMS	7069, 7070, 7076
0112	FUND AG MECH	FUNDAMENTALS OF AGRICULTURE MECHANICS	0200, 0201
0114	AG EQUIP & RPR	AGRICULTURE EQUIPMENT AND REPAIR	0200, 0201

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**PLANT SYSTEMS PATHWAY**

**AG0210 PLANT SYSTEMS**

**Required Courses:**

0101	INTR AG FD & NAT	INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES	0200, 0201
0212	HORTICULTURE	HORTICULTURE	0200, 0201, 7404
0134	AG EXPER PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0213	FLORICULTURE	FLORICULTURE	0200, 0201
0214	GRNHSE PROD	GREENHOUSE PRODUCTION AND MANAGEMENT	0200, 0201, 7404
0220	FRUIT&VEG PROD	FRUIT AND VEGETABLE PRODUCTION	0200, 0201
0240	TURF&LDSCP SYS	TURF AND LANDSCAPE SYSTEMS	0200, 0201, 7404

**Recommended Electives:**

0133	AG COOP ED	AGRICULTURAL COOPERATIVE EDUCATION	0200, 0201
0146	LEADERSHIP	LEADERSHIP DEVELOPMENT	0200, 0201
0201	GROUND MAINT	GROUNDS MAINTENANCE	0200, 0201, 7410

**CAREER AND TECHNICAL EDUCATION:  
AGRICULTURAL, FOOD AND NATURAL RESOURCES CLUSTER (AG)  
(Continued)**

**PLANT SYSTEMS PATHWAY**

**AG0214 TURF AND LANDSCAPE SYSTEMS**

**Required Courses:**

0212	HORTICULTURE	HORTICULTURE	0200, 0201, 7404
0214	GRNHSE PROD	GREENHOUSE PRODUCTION AND MANAGEMENT	0200, 0201, 7404
0215	LNDSCP DSGN	LANDSCAPE DESIGN AND INSTALLATION	0200, 0201, 7404
0217	TURF MGT	TURF MANAGEMENT	0200, 0201, 7404

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**AG0215 CASE PLANT SYSTEMS**

**Required Courses:**

0161	CASE INTR AFNR	CASE - INTRO TO AGRICULTURE, FOOD & NATURAL RES	0200, 0201
0166	CASE PR AGSCPL	CASE – PRINCIPLES OF AGRICULTURAL SCIENCE - PLANT	0200, 0201
0163	CASE AG B/R/D	CASE – AG BUSINESS, RESEARCH AND DEVELOPMENT	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0164	CASE A/P BIOTECH	CASE – ANIMAL AND PLANT BIOTECHNOLOGY	0200, 0201
0165	CASE FD SCI/SFTY	CASE – FOOD SCIENCE AND SAVETY	0200, 0201

**POWER, STRUCTURAL AND TECHNICAL SYSTEMS PATHWAY**

**AG0110 POWER, STRUCTURAL & TECHNICAL SYSTEMS**

**Required Courses:**

0101	INTR AG FD & NAT	INTRO TO AGRICULTURE, FOOD & NATURAL RESOURCES	0200, 0201
0112	FUND AG MECH	FUNDAMENTALS OF AGRICULTURE MECHANICS	0200, 0201
0134	AGEXPER-PRG	AGRICULTURAL EXPERIENCE PROGRAM	0200, 0201

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0113	AG STRUCTURES	AGRICULTURE STRUCTURES	0200, 0201
0114	AG EQUIP & RPR	AGRICULTURE EQUIPMENT AND REPAIR	0200, 0201

**Recommended Electives:**

0133	AG COOP ED	AGRICULTURAL COOPERATIVE EDUCATION	0200, 0201
0146	LEADERSHIP	LEADERSHIP DEVELOPMENT	0200, 0201
2002	AG SM ENG	AGRICULTURE SMALL ENGINE REPAIR	0200, 0201
2004	AG BP/CAD	AGRICULTURE BLUEPRINT/CAD	0200, 0201
2006	AG OXY ARC	AGRICULTURE INTRO TO OXY-ACETYLENE/ARC WELDING	0200, 0201

## CAREER AND TECHNICAL EDUCATION: ARCHITECTURE AND CONSTRUCTION CLUSTER (AR)

### Endorsement codes utilized in teaching Architecture and Construction:

0608	Technology Education	7027	Building Maintenance & Operations
1800	Industrial Arts	7028	General Building Construction
1801	General Shop	7030	Electrical Technology
1802	Technical Education	7031	Industrial Electricity
1810	Drafting	7035	General Electrical Occupations
7011	Drafting	7070	Industrial Equipment Maintenance
7021	Carpenter	7073	Operation/Maintenance-Heavy Equipment
7022	Masonry	7083	Air Condition and Refrigeration
7023	Plumbing & Pipefitting	7105	Civil Technology
7025	Building Maintenance	7131	Electronics Technology

### AR 2190 IWRC ARCHITECTURE AND CONSTRUCTION

APPROVED CONCENTRATION	HVAC TECHNICIAN
APPROVED CONCENTRATION	BUILDING MAINTENANCE AND OPERATIONS
APPROVED CONCENTRATION	CARPENTRY
APPROVED CONCENTRATION	MASONRY
APPROVED CONCENTRATION	PLUMBING

### AR 2192 CIEL ARCHITECTURE AND CONSTRUCTION

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### CONSTRUCTION PATHWAY

#### AR1760 ELECTRICAL TECHNICIAN

##### Required Courses:

1756	ELEC-TECH I	ELECTRICAL TRADES I	7027, 7028, 7030, 7031, 7035, 7131
1757	ELEC-TECH II	ELECTRICAL TRADES II	7030, 7031, 7035
1758	ELEC-TECH III	ELECTRICAL TRADES III	7030, 7031, 7035
1759	ELEC-TECH IV	ELECTRICAL TRADES IV	7030, 7031, 7035

##### Recommended Electives:

1762	ELEC-BLPRT RD	BLUEPRINT READING FOR ELECTRICIANS	7030, 7031, 7035
1765	ELEC-I&C WIRE	INDUSTRIAL AND COMMERCIAL WIRING	7030, 7031, 7035, 7070
1766	ELEC-INTRG LAB	INTEGRATED ELECTRICAL LAB	7030, 7031, 7035
1767	ELEC-NTL CODE	NATIONAL ELECTRICAL CODE	7027, 7028, 7030, 7031, 7035
1769	ELEC-RESID WIRE	RESIDENTIAL WIRING	7025, 7027, 7028, 7030, 7031, 7035
1771	ELEC-ROTAT/CTRL	ROTATING DEVICES AND CONTROL CIRCUITRY	7030, 7031, 7035, 7070
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

#### AR1820 CARPENTRY

##### Required Courses:

1842	CARPENTRY I	CARPENTRY I	7021, 7025, 7027, 7028
1843	CARPENTRY II	CARPENTRY II	7021, 7028
1844	CARPENTRY III	CARPENTRY III	7021, 7028
1845	CARPENTRY IV	CARPENTRY IV	7021, 7028

**CAREER AND TECHNICAL EDUCATION:  
ARCHITECTURE AND CONSTRUCTION CLUSTER (AR)  
(Continued)**

**CONSTRUCTION PATHWAY (continued)**

**AR1820 CARPENTRY (continued)**

**Recommended Electives:**

1803	FAC-PLBG/ELEC	BASIC PLUMBING AND ELECTRICITY	7023, 7025, 7027, 7028, 7030, 7031, 7035, 7070, 7131
1820	CMMRL CNSTR	APPLICATIONS IN COMMERCIAL CONSTRUCTION	7021, 7028
1821	BLDCNS-CNCRT	CONCRETE FINISHING	7022, 7025, 7027, 7028
1822	BLPRT RDG CNSTR	BLUEPRINT READING FOR CONSTRUCTION	7021, 7028
1829	BLDCNS-MASONRY	MASONRY AND PLUMBING	7021, 7022, 7023, 7028
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**AR1910 MASONRY**

**Required Courses:**

1846	MASONRY I	MASONRY I	7022, 7025, 7027, 7028
1847	MASONRY II	MASONRY II	7022
1848	MASONRY III	MASONRY III	7022
1849	MASONRY IV	MASONRY IV	7022

**Recommended Electives:**

1821	BLDCNS-CNCRT	CONCRETE FINISHING	7022, 7025, 7027, 7028
1911	MSNRY-BLOCK	BLOCK AND ROCK LAYING	7022
1913	MSNRY-BRICK	BRICKLAYING	7022
1914	MSNRY-ADVBR	ADVANCED BRICKLAYING APPLICATIONS	7022
1916	MSNRY-DECMW	DECORATIVE MASONRY WORK	7022
1917	MSNRY- FOOT	FOUNDATIONS AND FOOTINGS	7022
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**AR2140 PLUMBING**

**Required Courses:**

2081	PLUMBING I	PLUMBING I	7023, 7025, 7027, 7028
2082	PLUMBING II	PLUMBING II	7023
2083	PLUMBING III	PLUMBING III	7023
2084	PLUMBING IV	PLUMBING IV	7023

**Recommended Electives:**

2145	PLBG SLDR/FLR	SOLDERING AND FLARING COPPER PIPE	7023
2146	PLBG GAS PIPING	GAS PIPING	7023
2147	PLBG CAST IRON	CAST-IRON PIPING	7023
2148	PLBG DRN/WST/VS	DRAINS, WASTE AND VENT SYSTEMS	7023
2149	PLBG FIXTURES	PLUMBING FIXTURES	7023
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
ARCHITECTURE AND CONSTRUCTION CLUSTER (AR)  
(Continued)**

**DESIGN/PRE-CONSTRUCTION PATHWAY**

**AR1720 DRAFTING**

**Required Courses:**

1721	CMPDRFT-ARCH	ARCHITECTURAL DRAFTING	7011, 7105, 1810
1725	CMPDRFT-MECH	MECHANICAL DRAFTING	7011, 7105, 1810
1727	CMPDRFT-TCHQ	DRAFTING TECHNIQUES	0608, 1800, 1801, 1802, 7011, 7105, 1810
1729	CMPDRFT-FUND	FUNDAMENTALS OF DRAFTING	7011, 7105, 1800, 1801, 1802, 1810, 0608

**Recommended Electives:**

1661	CVL-BLPRT RDG	BLUEPRINT READING	1810, 7011, 7012, 7104, 7105, 7111, 7112
1718	CAD INTRO	INTRODUCTION TO COMPUTER AIDED DRAFTING	1800, 1801, 1802, 1803, 1810, 7011, 7037, 7105, 7112, 7131, 7164, 7212, 7550
1722	CMPDRFT PIPE	PIPING SYSTEMS DRAFTING	7011, 7105
1723	CMPDRFT CIVIL	CIVIL DRAFTING	1810, 7011, 7105
1726	CMPDRFT STRUCT	STRUCTURAL STEEL DRAFTING	7011, 7105
1728	CMPDRFT ADV	ADVANCED COMPUTER AIDED DRAFTING	1800, 1801, 1802, 1803, 1810, 7011, 7037, 7105, 7112, 7131, 7164, 7212, 7550
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**MAINTENANCE/OPERATIONS PATHWAY**

**AR1600 HVAC TECHNICIAN**

**Required Courses:**

1752	HVAC-TECH I	HVAC TECHNICIAN I	7025, 7027, 7028, 7083
1753	HVAC-TECH II	HVAC TECHNICIAN II	7083
1754	HVAC-TECH III	HVAC TECHNICIAN III	7083
1755	HVAC-TECH IV	HVAC TECHNICIAN IV	7083

**Recommended Electives:**

1601	AC BASIC	BASIC CONTROL CIRCUITS	7083
1602	AC-ADVAIRCON	AIR CONDITIONING APPLICATIONS	7083
1603	AC-REFRIG	DOMESTIC REFRIGERATION	7083
1604	AC-FOSSIL FHS	FOSSIL FUEL HEATING SYSTEMS	7083
1607	AC-HEAT SYS	HEATING SYSTEMS	7083
1608	AC-COM AIR CND	COMMERCIAL AIR CONDITIONING	7083
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**AR1800 BUILDING MAINTENANCE AND OPERATIONS**

**Required Courses:**

1774	BLDG-M&O I	BUILDING MAINTENANCE & OPERATIONS I	7025, 7027
1775	BLDG-M&O II	BUILDING MAINTENANCE & OPERATIONS II	7025, 7027
1776	BLDG-M&O III	BUILDING MAINTENANCE & OPERATIONS III	7025, 7027
1777	BLDG-M&O IV	BUILDING MAINTENANCE & OPERATIONS IV	7025, 7027

**CAREER AND TECHNICAL EDUCATION:  
ARCHITECTURE AND CONSTRUCTION CLUSTER (AR)  
(Continued)**

**MAINTENANCE/OPERATIONS PATHWAY (continued)**

**AR1800 BUILDING MAINTENANCE AND OPERATIONS (continued)**

**Recommended Electives:**

1605	AC-FUND REFG	FUNDAMENTALS OF AIR CONDITIONING REGRIGERATION	7025, 7027, 7083
1763	ELEC-FUND	FUNDAMENTALS OF ELECTRICITY	7025, 7027, 7030, 7031, 7035, 7070, 7131
1769	ELEC-RES WIR	RESIDENTIAL WIRING	7025, 7027, 7028, 7030, 7031, 7035
1803	FAC-PLBG/ELEC	BASIC PLUMBING AND ELECTRICITY	7023, 7025, 7027, 7028, 7030, 7031, 7035, 7070, 7131
1805	FAC-MAINT	FUNDAMENTALS OF FACILITIES MAINTENANCE	7025, 7027
1829	BLDCNS-MASONRY	MASONRY AND PLUMBING	7021, 7022, 7023, 7028
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**AR2130 HEAVY EQUIPMENT OPERATIONS AND PREVENTATIVE MAINTENANCE (ADULT)**

**Required Courses:**

2131	HVY EQMT SFTY	HEAVY EQUIPMENT SAFETY	7073
2132	FUND PREV MAINT	FUNDAMENTALS OF PREVENTATIVE MAINTENANCE	7073
2133	FUND EARTH MOV	FUNDAMENTALS OF EARTH MOVING	7073
2134	HVY EQMT OPR	HEAVY EQUIPMENT OPERATIONS	7073

**CAREER AND TECHNICAL EDUCATION:  
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER (AV)**

<b>Endorsement codes utilized in teaching Arts, A/V Technology and Communications:</b>			
0300	Art	1705	Consumer & Homemaking
0400	Business Principles	1706	Family & Consumer Science
0419	Business Principles Including Business Mathematics	1800	Industrial Arts
0500	Secretarial Studies or Occupation Commerce	1801	General Shop
0519	Secretarial Studies including Business Mathematics	1802	Technical Education
0560	Business Education Specialist	2000	Music
0561	Marketing Education Specialist	2001	Instrumental Music
0600	Business Education	2002	Vocal Music
0603	Business Education/Marketing	7012	Graphic Design
0605	Business Education including Business Math	7014	Graphic Communication
0608	Technology Education	7015	Offset Printing
0700	Distributive Education	7026	Painting-Decorating
0710	Marketing Education	7132	Communication Technology
1700	Vocational Home Economics	7175	Broadcasting Technology

**AV2195 IWRC ARTS, A/V TECHNOLOGY AND COMMUNICATIONS**

APPROVED CONCENTRATION RADIO BROADCASTING  
 APPROVED CONCENTRATION BROADCASTING TECHNOLOGY  
 APPROVED CONCENTRATION GRAPHIC COMMUNICATIONS  
 APPROVED CONCENTRATION GRAPHIC DESIGN  
 APPROVED CONCENTRATION APPLIED DESIGN

**AV2200 CIEL ARTS, A/V TECHNOLOGY AND COMMUNICATIONS**

*RESTRICTED TO*

*APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.  
 Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

**A/V TECHNOLOGY AND FILM PATHWAY**

**AV0970 APPLIED DESIGN**

**Required Courses:**

0961	AD-FASHION	APPLIED DESIGN: FASHION	1700, 1705, 1706
1445	MGMT ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0941	AD-HOUS	APPLIED DESIGN: HOUSING AND INTERIOR DESIGN	1700, 1705, 1706
0407	MRK-FASHION	FASHION MARKETING	0560, 0561, 0603, 0700, 0710

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**CAREER AND TECHNICAL EDUCATION:  
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER (AV)  
(Continued)**

**JOURNALISM AND BROADCASTING PATHWAY**

**AV1469 RADIO BROADCASTING**

**Required Courses:**

1531	RADIO FUND	RADIO BROADCASTING FUNDAMENTALS	7132, 7175
1532	RADIO PRMG	RADIO BROADCASTING ON-AIR PROGRAMMING	7132, 7175
1533	RADIO TECH	RADIO BROADCASTING TECHNOLOGY	7132, 7175
1534	RADIO RPODCT	RADIO BROADCASTING PRODUCTION	7132, 7175

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**AV1680 BROADCASTING TECHNOLOGY**

**Required Courses:**

1681	COMTEC-FUND	FUNDAMENTALS OF BROADCASTING	7132, 7175
1683	COMTEC-RADIO	RADIO BROADCASTING PRESENTATIONS	7132, 7175
1685	COMTEC-TV	TELEVISION PRODUCTION APPLICATIONS	7132, 7175

**SELECT SPECIALIZATION TO COMPLETE**

1687	COMTEC-MGT	BROADCAST MANAGEMENT	7132, 7175
1689	COMTEC-LV TV	PRODUCING LIVE TV	7132, 7175
1684	COMTEC-VIDEDT	VIDEO EDITING	7132, 7175

**Recommended Electives:**

2421	COMM SYS	COMMUNICATIONS SYSTEMS	1800, 1801, 1802, 0608
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**AV1682 BROADCAST JOURNALISM**

**Required Courses:**

1680	FUND BRDCT JRLM	FUNDAMENTALS OF BROADCAST JOURNALISM	3900, 7132, 7175
1682	ADV PRIN BRDCT JR	ADVANCED PRINCIPLES OF BROADCAST JOURNALISM	3900, 7132, 7175
1686	BRDCT JRLM PRAC1	BROADCAST JOURNALISM PRACTICUM 1	3900, 7132, 7175
1688	BRDCT JRLM PRAC2	BROADCAST JOURNALISM PRACTICUM 2	3900, 7132, 7175



**CAREER AND TECHNICAL EDUCATION:  
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER (AV)  
(Continued)**

**PERFORMING ARTS PATHWAY**

**AV2010 PERFORMING ARTS**

1445	MGMT ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605,

**SELECT SPECIALIZATION TO COMPLETE**

<b>INSTRUMENTAL A1</b>			
3613	BAND III	BAND III	2000, 2001
3614	BAND IV	BAND IV	2000, 2001
<b>INSTRUMENTAL A2</b>			
3741	STEEL BAND	STEEL BAND	2000, 2001
3742	CONT ENDMBL	CONTEMPORARY ENSEMBLE	2000, 2001
<b>INSTRUMENTAL A3</b>			
3681	PIANO I	PIANO I	2000, 2001
3682	PIANO II	PIANO II	2000, 2001
<b>INSTRUMENTAL A4</b>			
3726	GUITAR I	GUITAR I	2000, 2001
3727	GUITAR II	GUITAR II	2000, 2001
<b>VOCAL B</b>			
3623	CHRS III ADV	CHORUS III – ADVANCED	2000, 2001
3624	CHORUS IV	CHORUS IV	2000, 2001
<b>THEATRICAL C</b>			
3803	THEATRE III	THEATRE III	ANY VALID ENDORSEMT
3804	THEATRE IV	THEATRE IV	ANY VALID ENDORSEMT

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**PRINTING TECHNOLOGY PATHWAY**

**AV1830 GRAPHIC COMMUNICATIONS**

**Required Courses:**

1833	GRPHCM-ELIMG	ELECTRONIC IMAGING	7014, 7015
1835	GRPHCM-FUND	FUNDAMENTALS OF GRAPHIC COMMUNICATIONS	7012, 7014, 7015
1839	GRPHCM-PLTMK	IMAGE ASSEMBLY AND PLATE MAKING	7014, 7015
1841	BINDERY OFFPRS	OFFSET PRESS AND BINDERY	7014, 7015

**Recommended Electives:**

1831	GRPHCM-DRKRM	PHOTOGRAPHY AND DARK ROOM PROCEDURES	7014, 7015
1832	GRPHCM-COLPR	COLOR PROCESSING	7014, 7015
1834	GRPHCM-DIGPRE	DIGITAL PREPRESS	7014, 7015
1837	GRPHCM-COMM	APPLICATIONS IN GRAPHIC COMMUNICATIONS	7014, 7015
1855	GRDSGN-DSKTP	FUNDAMENTALS OF DESKTOP PUBLISHING	7012
1859	GRDSGN-DSGN APP	GRAPHIC DESIGN APPLICATIONS	7012
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER (AV)  
(Continued)**

**VISUAL ARTS PATHWAY**

**AV1850 GRAPHIC DESIGN**

**Required Courses:**

1851	GRDSGN-BASIC	FUNDAMENTALS OF ILLUSTRATION	7012
1857	GRDSGN-FUND	FUNDAMENTALS OF GRAPHIC DESIGN	7012, 7014, 7015
1859	GRDSGN-DSGN APP	GRAPHIC DESIGN APPLICATIONS	7012
1861	GRDSGN-ILLST	ILLUSTRATION	7012

**Recommended Electives:**

1853	FUND-COMPGPH	FUNDAMENTALS OF COMPUTER GRAPHICS	7012
1854	GRDSGN-CGRPH	COMPUTER GRAPHICS	7012
1855	GRDSGN-DSKTP	FUNDAMENTALS OF DESKTOP PUBLISHING	7012
1856	DSKTP PUBLAY	DESKTOP PUBLISHING/PAGE LAYOUT	7012, 7014, 7015
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**AV2015 VISUAL ARTS**

**Required Courses:**

1431	DGTL IMG/MLT	DIGITAL IMAGING/ MULTIMEDIA I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7175, 7132
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
3213	ART III	ART III	0300
3214	ART IV	ART IV	0300

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**AV2100 INTERIOR DESIGN (ADULT)**

**Required Courses:**

2101	INTER DSGN THRY	INTERIOR DESIGN THEORY	7026
2102	INTER DSGN GRPH	INTERIOR DESIGN GRAPHICS	7026
2103	FURN DSGN APP I	FURNISHINGS & DESIGN APPLICATIONS I	7026
2104	FURN DSGN APP II	FURNISHINGS & DESIGN APPLICATIONS II	

**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM)**

<b>Endorsement codes utilized in teaching Business Management and Administration Cluster:</b>			
0400	Business Principles	0700	Distributive Education
0419	Business Principles Including Business Mathematics	0710	Marketing Education
0500	Secretarial Studies or Occupation Commerce	7066	Coordinator Cooperative Education
0519	Secretarial Studies including Business Mathematics	7702	Career and Work Skills Training (CWST)
0560	Business Education Specialist	7703	ORACLE
0561	Marketing Education Specialist	7704	Certified Internet Webmaster (CIW)
0600	Business Education		
0603	Business Education/Marketing		
0605	Business Education including Business Math		

**BM1935 IWRC BUSINESS MANAGEMENT AND ADMINISTRATION**

APPROVED CONCENTRATION CAREER AND WORK SKILLS TRAINING (CWST)

**BM1940 CIEL BUSINESS MANAGEMENT AND ADMINISTRATION**

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

**ADMINISTRATIVE SUPPORT PATHWAY**

**BM0510 CAREER AND WORK SKILLS TRAINING (CWST)**

**Required Courses:**

0511	CARR WRK SKILL I	CAREER AND WORK SKILLS TRAINING I	0560, 0561, 0603, 0700, 0710, 7066, 7702
0512	CARR WRK SKILL II	CAREER AND WORK SKILLS TRAINING II	0560, 0561, 0603, 0700, 0710, 7066, 7702
0513	CWST WRK EXP I	CWST WORK EXPERIENCE I	0560, 0561, 0603, 0700, 0710, 7066, 7702
0514	CWST WRK EXP II	CWST WORK EXPERIENCE II	0560, 0561, 0603, 0700, 0710, 7066, 7702

**Recommended Electives:**

1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM)  
(Continued)**

**ADMINISTRATIVE SUPPORT PATHWAY (continued)**

**BM1465 ADMINISTRATIVE SUPPORT (continued)**

**Required Courses:**

1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1449	OFFICE MGMT	OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

1031	SEM CTS/LGL SYS	SEMINAR IN COURTS AND LEGAL SYSTEMS	7710, 3000
1409	BUS COMMUN	BUSINESS COMMUNICATIONS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0800, 1000, 1001
1419	BUS MATH	BUSINESS MATH	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1421	BUS REC	BUSINESS RECORDKEEPING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1425	COOP OFF ED	COOPERATIVE OFFICE EDUCATION	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1443	MED OFF	MEDICAL OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION (BM) CLUSTER  
(Continued)**

**ADMINISTRATIVE SUPPORT PATHWAY (continued)**

**BM1482 ADMINISTRATIVE AND BUSINESS SUPPORT (ADULT)**

**Required Courses:**

1449	OFFICE MGMT	OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1409	BUS COMMUN	BUSINESS COMMUNICATIONS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0800, 1000, 1001

**Recommended Electives:**

1403	ACCT PRIN II	ACCOUNTING PRINCIPLES II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1512	WRKPLC PRACT	WORKPLACE PRACTICUM	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**MANAGEMENT PATHWAY**

**BM1479 GENERAL MANAGEMENT**

**Required Courses:**

0400	INTRO MGMT	INTRODUCTION TO MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0422	MKT-PRIN	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1471	FIN ALALY MGR	FINANCIAL ANALYSIS FOR MANAGERS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM)  
(Continued)**

**MANAGEMENT PATHWAY (continued)**

**BM1479 GENERAL MANAGEMENT (continued)**

**Recommended Electives:**

0410	GBL BUS MKT	GLOBAL BUSINESS AND MARKETING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0451	COMM GLOBAL	COMMUNICATIONS FOR THE GLOBAL ECONOMY	0400, 0419, 0500, 0519, 0560, 0561, 0603, 0603, 0605, 0700, 0710
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1445	MGMT ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1470	INTRO FINANCE	INTRODUCTION TO FINANCE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**BM1500 HIGH SCHOOL OF BUSINESS**

**Required Courses:**

1501	LDRSHP/WLTH MG	LEADERSHIP/WEALTH MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1503	PRN BUS/ECON	PRINCIPLES OF BUSINESS/ECONOMICS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1505	PRN MKTNG/FIN	PRINCIPLES OF MARKETING/FINANCE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1507	PRN MGT/BUS STR	PRINCIPLES OF MANAGEMENT/BUSINESS STRATEGIES	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM)  
(Continued)**

**BUSINESS FINANCE AND ACCOUNTING PATHWAY**

**BM1500 HIGH SCHOOL OF BUSINESS (continued)**

**Recommended Electives:**

0410	GBL BUS MKT	GLOBAL BUSINESS AND MARKETING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0451	COMM GLOBAL	COMMUNICATIONS FOR THE GLOBAL ECONOMY	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**BM1410 ACCOUNTING**

**Required Courses:**

1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

1403	ACCT PRIN II	ACCOUNTING PRINCIPLES II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1417	BUS LAW	BUSINESS LAW	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1451	PRSN FINANCE	PERSONAL FINANCE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

0422	MKT-PRIN	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
1470	INTRO FINANCE	INTRODUCTION TO FINANCE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1471	FIN ANALY MGR	FINANCIAL ANALYSIS FOR MANAGERS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM)  
(Continued)**

**BUSINESS FINANCE AND ACCOUNTING PATHWAY (continued)**

**BM1481 ACCOUNTING (ADULT)**

**Required Courses:**

1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1403	ACCT PRIN II	ACCOUNTING PRINCIPLES II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1419	BUS MATH	BUSINESS MATH	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

1449	OFFICE MGMT	OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1512	WRKPLC PRACT	WORKPLACE PRACTICUM	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605



**CAREER AND TECHNICAL EDUCATION:  
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER (BM)  
(Continued)**

**OPERATIONS MANAGEMENT PATHWAY**

**BM1495 ENTREPRENEURSHIP**

**Required Courses:**

1471	FIN MANAGERS	FINANCIAL ANALYSIS FOR MANAGERS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1472	PRIN ENTREPRE	PRINCIPLES OF ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1473	ADV ENTREPRE	ADVANCED ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1501	LDRSHP/WLTH MG	LEADERSHIP/WEALTH MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**Recommended Electives:**

0410	GBL BUS MKT	GLOBAL BUSINESS AND MARKETING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0422	MKT PRINC	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
0451	COMM GLOBAL	COMMUNICATIONS FOR THE GLOBAL ECONOMY	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1470	INTRO FINANCE	INTRODUCTION TO FINANCE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

## CAREER AND TECHNICAL EDUCATION: EDUCATION AND TRAINING CLUSTER (ED)

Endorsement codes utilized in **Education and Training Cluster**:

7707 Careers in Education

### ED1000 CIEL EDUCATION AND TRAINING

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### TEACHING/TRAINING PATHWAY

#### ED1300 CAREERS IN EDUCATION

##### Required Courses:

1135	SEM ED PRACT	SEMINAR IN EDUCATION PRACTICE	7707
1301	FED	FOUNDATIONS IN EDUCATION	7707
1302	SLDD	STUDENT LEARNING, DEVELOPMENT AND DIVERSITY	7707
1304	ED PSY & LEARN	EDUCATION PSYCHOLOGY AND LEARNING	7707

##### Recommended Electives:

0903	PSF	PARENTING & STRONG FAMILIES (8-12)	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7714, (3600, 3601, 3602, 3603, 3605, 3606)* *Must also be certified in appropriate grade levels of students they are instructing.
0928	FUND HUM SRV	FUNDAMENTALS OF HUMAN SERVICES	1601, 1700, 1705, 1706, 7627, 7185, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

## CAREER AND TECHNICAL EDUCATION: FINANCE CLUSTER (FI)

### Endorsement codes utilized in teaching Business Management and Administration Cluster:

0400	Business Principles	0700	Distributive Education
0419	Business Principles Including Business Mathematics	0710	Marketing Education
0500	Secretarial Studies or Occupation Commerce		
0519	Secretarial Studies including Business Mathematics		
0560	Business Education Specialist		
0561	Marketing Education Specialist		
0600	Business Education		
0603	Business Education/Marketing		
0605	Business Education including Business Math		

### FI1000 CIEL FINANCE

#### *RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### **BUSINESS FINANCE PATHWAY**

#### FI1430 BUSINESS FINANCE

#### Required Courses:

0422	MKT-PRIN	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1470	INTRO FINANCE	INTRODUCTION TO FINANCE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1471	FIN ANALY MGR	FINANCIAL ANALYSIS FOR MANAGERS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

#### Recommended Electives:

0400	INTRO MGMT	INTRODUCTION TO MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0410	GBL BUS MKT	GLOBAL BUSINESS AND MARKETING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0451	COMM GLOBAL	COMMUNICATIONS FOR THE GLOBAL ECONOMY	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1445	MGMT ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
GOVERNMENT AND PUBLIC ADMINISTRATION CLUSTER (GO)**

Endorsement codes utilized in **Government and Public Administration Cluster:**

7700 JROTC

**GO1000 CIEL GOVERNMENT AND PUBLIC ADMINISTRATION**

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

**NATIONAL SECURITY PATHWAY**

**GO1070 JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)**

**Required Courses:**

1065	JROTC I	JROTC I	7700
1066	JROTC II	JROTC II	7700
1080	JROTC III	JROTC III	7700
1081	JROTC IV	JROTC IV	7700

**Recommended Electives:**

1062	JROTC V	JROTC V	7700
1063	JROTC VI	JROTC VI	7700
1064	JROTC INTERNSHP	JROTC - INTERNSHIP	7700
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**GO2325 NATIONAL GUARD YOUTH CHALLENGE PROGRAM (NGYCP)**

**Required Courses:**

1067	NGYCP C/C&T	NGYCP CITIZENSHIP, CHARACTER AND TRADITIONS	PERSONNEL FROM
1068	NGYCP M&L PRI	NGYCP MANAGEMENT AND LEADERSHIP PRINCIPLES	MOUNTAINEER
1082	NGYCP CM&AWAR	NGYCP COMMUNICATION AND AWARENESS	CHALLENGE
1083	NGYCP LFSK&CRR	NGYCP LIFE SKILLS AND CAREER INVESTIGATION	ACADEMY

## CAREER AND TECHNICAL EDUCATION: HEALTH SCIENCE EDUCATION CLUSTER (HE)

Endorsement codes utilized in teaching Health Science Education:			
0200	Vocational Agriculture	7042	Nursing Aide
0201	Agricultural Education	7043	Dental Assistant
0400	Business Principles	7045	Medical Assistant
	Business Principles Including Business		
0419	Mathematics	7048	Health Assistant
0500	Secretarial Studies or Occupation Commerce	7050	Medical Emergency Preparedness
	Secretarial Studies including Business		
0519	Mathematics	7094	Food Preparation (Cooking)
0560	Business Education Specialist	7095	Culinary Arts
0561	Marketing Education Specialist	7097	Food Service
0600	Business Education	7171	Dental Technician
0603	Business Education/Marketing	7172	Lab Technician-Medical
0605	Business Education including Business Math	7185	Social Services Occupations
1601	Occupational Home Economics	7457	AC Health Informatics I
1615	Food Services	7458	AC Health Informatics II
1700	Vocational Home Economics	7459	AC Health Informatics III
1705	Consumer & Homemaking	7460	AC Health Informatics IV
1706	Family & Consumer Science	7603	Phlebotomy
2200	Health and Physical Education	7604	Medical Transcription
2205	Health Education	7606	Respiratory Therapy
2210	Physical Education	7607	Surgical Technician
2215	Physical Education/Health/Safety	7608	Pharmacy Technician
2250	Wellness	7610	Medical Records
2500	Physics	7611	ECG Technician
2600	Biological Sciences	7614	Health Care Fundamentals
2800	Physical Science	7625	Massage Therapy
2900	General Science	7626	Personal Fitness and Wellness Training
3605	Multi-Subjects	7714	Prevention Support Specialist
7041	Practical Nursing		

### Recommended Prerequisite for all Health Science Concentrations

0700	EX HLTH PROF	EXPLORING HEALTH PROFESSIONS	2200, 2205, 2215, 2250, 2500, 2600, 2800, 2900, 3605, 7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
------	--------------	------------------------------	--

### HE0800 IWRC HEALTH SCIENCE EDUCATION

APPROVED CONCENTRATION SUPPORT SERVICES  
APPROVED CONCENTRATION FOOD SCIENCE AND NUTRITION

### HE0805 CIEL HEALTH SCIENCE EDUCATION

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**BIOTECHNOLOGY RESEARCH AND DEVELOPMENT PATHWAY**

**HE0780 BIOTECHNOLOGY RESEARCH AND DEVELOPMENT**

**Required Courses:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608
0707	BIOMEDICAL APPS	BIOMEDICAL APPLICATIONS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0708	BIOMEDICAL CLN	BIOMEDICAL INNOVATIONS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**DIAGNOSTIC SERVICES PATHWAY**

**HE0718 DIAGNOSTIC SERVICES**

**Required Courses:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608

**SELECT SPECIALIZATION TO COMPLETE**

0755	MED LAB LDP	MEDICAL LABORATORY AND DIAGNOSTIC PROCEDURES	7172
0756	MED LAB DPA	MEDICAL LABORATORY & DIAGNOSTIC PROC APP	7172
0787	RAD HLTH CR PRV	RADIOGRAPHY FOR HEALTH CARE PROVIDER	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0788	RAD APPS	RADIOGRAPHY APPLICATIONS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0810	ELECD TECH	ELECTROCARDIOGRAPH SKILLS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0825	PHLEB TECH	PHLEBOTOMY SKILLS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606

**Recommended Electives:**

**Medical Lab Technician**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	7042, 7048, 7185, 7627, 7714, 7606, 7608
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**DIAGNOSTIC SERVICES PATHWAY (continued)**

**HE0718 DIAGNOSTIC SERVICES (continued)**

**Recommended Electives: (continued)**

**Radiography Aide**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732 WELL	EMERG SRV 2 NUTRITION AND WELLNESS	EMERGENCY SERVICES 2	70500739 NUTRI 7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**Clinical Diagnostics**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732 WELL	EMERG SRV 2 NUTRITION AND WELLNESS	EMERGENCY SERVICES 2	70500739 NUTRI 7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA



**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**DIAGNOSTIC SERVICES PATHWAY (continued)**

**HE0773 PHLEBOTOMY TECHNICIAN (ADULT)**

**Required Courses:**

0825	PHLEB TECH	PHLEBOTOMY SKILLS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606,
------	------------	-------------------	--

**Recommended Electives:**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HE0810 ELECTROCARDIOGRAPH TECHNICIAN (ADULT)**

0810	ELECD TECH	ELECTROCARDIOGRAPH SKILLS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7611
------	------------	---------------------------	--

**Recommended Electives:**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HEALTH INFORMATICS PATHWAY**

**HE0740 HEALTH INFORMATICS**

**Required Courses:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0789	CLINICAL SPCL I	CLINICAL SPECIALTY I	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608

**SELECT SPECIALIZATION TO COMPLETE**

1443	MED OFF	MEDICAL OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0728	MED COD/BILL	MEDICAL CODING AND BILLING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0777	EL HLTH REC SP	ELECTRONIC HEALTH RECORD SPECIALIST	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**HEALTH INFORMATICS PATHWAY (continued)**

**HE0740 HEALTH INFORMATICS (continued)**

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1513	COMP MED OFF SW	COMPUTERIZED MEDICAL OFFICE SOFTWARE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	7042, 7048, 7185, 7627, 7714, 7606, 7608
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HE0742 HEALTH INFORMATICS**

**Required Courses:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7614, 7714
------	----------------	-------------------------------	--

**SELECT THREE (3) COURSES TO COMPLETE SPECIALIZATION**

0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0789	CLINICAL SPCL I	CLINICAL SPECIALTY I	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
1443	MED OFF	MEDICAL OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0777	EL HLTH REC SP	ELECTRONIC HEALTH RECORD SPECIALIST	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606
0768	HLTH CARE STAT	HEALTH CARE STATISTICS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608
0769	INTRO HLTH INFO	INTRODUCTION TO HEALTH INFORMATICS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**HEALTH INFORMATICS PATHWAY (continued)**

**HE0742 HEALTH INFORMATICS – PILOT 2015-2016 (continued)**

**Recommended Electives: (continued)**

0732 WELL	EMERG SRV 2 NUTRITION AND WELLNESS	EMERGENCY SERVICES 2	70500739 7041, 7042, 7043, 7045, 7048, 7172
1513	COMP MED OFF SW	COMPUTERIZED MEDICAL OFFICE SOFTWARE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	7042, 7048, 7185, 7627, 7714, 7606, 7608
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HE2220 HEALTH INFORMATICS (ADVANCED CAREERS)**

**REQUIRED COURSES:**

1560	AC HEA INFORM I	AC HEALTH INFORMATICS I	7457
1561	AC HEA INFORM II	AC HEALTH INFORMATICS II	7458
1562	AC HEA INFORM III	AC HEALTH INFORMATICS III	7459
1563	AC HEA INFORM IV	AC HEALTH INFORMATICS IV	7460

**HE0741 HEALTH INFORMATICS (ADULT)**

**Required Courses:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608
0789	CLINICAL SPCL I	CLINICAL SPECIALTY I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606,
0728	MED COD/BILL	MEDICAL CODING AND BILLING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
0777	EL HLTH REC SP	ELECTRONIC HEALTH RECORD SPECIALIST	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606
1513	COMP MED OFF SW	COMPUTERIZED MEDICAL OFFICE SOFTWARE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**HEALTH INFORMATICS PATHWAY (continued)**

**HE1485 MEDICAL OFFICE**

**Required Courses:**

1444	MED TERM	MEDICAL OFFICE TERMINOLOGY	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7041, 7042, 7043, 7045, 7048, 7050, 7172, 7604
1443	MED OFF	MEDICAL OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1513	COMP MED OFF SW	COMPUTIZED MEDICAL OFFICE SOFTWARE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

1409	BUS COMMUN	BUSINESS COMMUNICATIONS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0800, 1000, 1001
1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1512	WRKPLC PRACT	WORKPLACE PRACTICUM	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1520	MED TRANS	MEDICAL TRANSCRIPTION	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1523	MED OFF CODING	MEDICAL OFFICE CODING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**SUPPORT SERVICES PATHWAY**

**HE0728 SUPPORT SERVICES**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608
0710	EMPL HLTH OCC	EMPLOYMENT IN HEALTH OCCUPATIONS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7614
0712	INTR SUP SVC CLN	INTRODUCTION TO SUPPORT SERVICES CLINICAL	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	7042, 7048, 7185, 7627, 7714, 7606, 7608
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HE1095 PERSONAL FITNESS AND WELLNESS TRAINING**

**Required Courses:**

1051	FND OF WELNS	FOUNDATIONS OF WELLNESS	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7626, 7714
1052	MOD WELNS TRNG	MODELS OF WELLNESS TRAINING	2200, 2205, 2210, 2215, 2250, 7185, 7626
1053	WLNS COACH SKIL	WELLNESS COACHING SKILLS	2200, 2205, 2210, 2215, 2250, 7185, 7626
1054	PR APP WEL TRNG	PRACTICAL APPLICATIONS OF WELLNESS TRAINING	2200, 2205, 2210, 2215, 2250, 7185, 7626

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**SUPPORT SERVICES PATHWAY (continued)**

**HE1095 PERSONAL FITNESS AND WELLNESS TRAINING (continued)**

**Recommended Electives:**

1050	WEL ISS SPL POP	WELLNESS ISSUES FOR SPECIAL POPULATIONS	1601, 1700, 1705, 1706, 7185, 7626, 7627
6709	FITNESS/COND	FITNESS/CONDITIONING ACTIVITIES	2200, 2210, 2215, 2250, 7626
6921	CMTY HEALTH	COMMUNITY HEALTH	2200, 2205, 2215, 2250, 7627, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HE1215 FOOD SCIENCE AND NUTRITION**

**Required Courses:**

0951	FOOD PREP	FOOD PREPARATION	1615, 1700, 1705, 1706, 7094, 7095, 7097
0950	NFF	NUTRITION AND FOODS FOUNDATION	1615, 1700, 1705, 1706, 7094, 7095, 7097
0952	NFS	NUTRITION AND FOOD SCIENCE	1615, 1700, 1705, 1706, 7094, 7095, 7097
0953	NFA	NUTRITION AND FOOD ADVANCED	1615, 1700, 1705, 1706, 7094, 7095, 7097

**Recommended Electives:**

0422	MKT PRIN	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
0425	MKT APPS	MARKETING APPLICATIONS	0560, 0561, 0603, 0700, 0710
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**THERAPEUTIC SERVICES PATHWAY**

**HE0225 ANIMAL SYSTEMS - VET SCIENCE**

**Required Courses:**

0137	LARGE ANIMAL SCI	LARGE ANIMAL SCIENCE	0200, 0201
0138	SMALL ANIMAL SCI	SMALL ANIMAL SCIENCE	0200, 0201
0154	A&VS-P	ANIMAL & SCIENCE VETERINARY PRACTICES	0200, 0201
0155	ANIMAL PHYS	APPLIED ANIMAL ANATOMY AND PHYSIOLOGY	0200, 0201

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0715 ALLIED HEALTH SCIENCES**

**Required Courses:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608

**SELECT SPECIALIZATION TO COMPLETE**

**Dental Assisting**

0743	DN TL ASST IV	DENTAL ASSISTING IV	7043
0746	DN TL ASST III	DENTAL ASSISTING III	7043

**Medical Assisting**

0733	MED CLIN PR	MEDICAL ASSISTANT CLINICAL PROCEDURES	7041, 7042, 7045, 7048
0737	MED LB DX PR	MEDICAL ASSISTANT LAB AND DIAGNOSTIC PROCEDURES	7041, 7042, 7045, 7048

**PTCB Prep**

0771	PTCB PREP	PTCB PREPARATION/CLINICAL	7041, 7042, 7048, 7608
0772	PTCB CLN APP	PTCB CLINICAL APPLICATIONS	7041, 7042, 7048, 7608

MAY BE USED IN CONJUNCTION WITH ELECTIVE 0732 EMERGENCY SERVICES 2 TO CREATE A TWO-CREDIT BLOCK

**EMT-B**

0792	EMERG SRV 1	EMERGENCY SERVICES 1	7050
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050

SCHEDULE WITH ELECTIVE 0732 EMERGENCY SERVICES 2

**Pre-Nursing**

0615	CERT NURS ASST	CERTIFIED NURSING ASSISTANT	7041, 7042, 7048
0771	PTCB PREP	PTCB PREPARATION/CLINICAL	7041, 7042, 7048, 7608

**Recommended Electives:**

**Dental Assisting**

0742	DN TL CLN PRC	DENTAL ASSISTANT CLINICAL PRACTICE	7043
0745	DN TL CLN MEN	DENTAL ASSISTING CLINICAL MENTORING	7043
0747	DN TL SPEC	DENTAL SPECIALTIES	7043
0748	DN TL ASST II	DENTAL ASSISTING II	7043
0749	SUP DN TL EXP	SUPERVISED DENTAL CLINICAL EXPERIENCE	7043
1060	ES STL AD TN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**Medical Assisting**

0721	MED TERM NLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0734	MED AD PHARM	MEDICAL ASSISTANT ADVANCED PHARMACOLOGY	7041, 7042, 7045, 7048
0736	MED AD PR II	MEDICAL ASSISTANT ADMINISTRATIVE PROCEDURES II	7041, 7042, 7045, 7048
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ES STL AD TN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0715 ALLIED HEALTH SCIENCES (continued)**

**PTCB Prep**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**EMT-B**

0720	ECG/PHLEB	ECG/PHLEBOTOMY	7041, 7045, 7048, 7050, 7172
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
0793	ERT	EMERGENCY RESPONSE TO TERRORISM	7050
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA



**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

***THERAPEUTIC SERVICES PATHWAY (continued)***

**HE0715 ALLIED HEALTH SCIENCES (continued)**

**Pre-Nursing**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0723 THERAPEUTIC SERVICES**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608
0789 0790	CLINICAL SPCL I CLINICAL SPCL II	CLINICAL SPECIALTY I (CHOOSE 1 OF THE FOLLOWING) CLINICAL SPECIALTY II (CHOOSE 1 OF THE FOLLOWING)	
		CERTIFIED NURSING ASSISTANT	7042, 7048
		CERTIFIED PATIENT CARE TECHNICIAN	7042, 7048
		CERTIFIED ECG TECHNICIAN	7042, 7045, 7048, 7050, 7041, 7606
		CERTIFIED HEALTH UNIT COORDINATOR	7042, 7045, 7048, 7606
		CERTIFIED PHLEBOTOMY TECHNICIAN	7041, 7042, 7045, 7048, 7050, 7172, 7603, 7606
		PRE-PHARMACY TECHNICIAN	7042, 7048, 7608, 7041, 7606
		VETERINARY SCIENCE AIDE	7042, 7048, 7606
		PHYSICAL THERAPY AIDE	7042, 7048
		ADVANCED HEALTH SEMINAR	7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606
		FAMILY CAREGIVER	7042, 7043, 7045, 7048, 7050, 7171, 7172
		RADIOLOGY AIDE	7042, 7043, 7045, 7048, 7050, 7171, 7172
		DENTAL AIDE	7042, 7043, 7048, 7041, 7171
		COMMUNITY EMERGENCY RESPONSE TEAM (CERT)	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7603, 7606, 7607, 7608, 7614, 7625
		DIRECT CARE WORKER	7041, 7042, 7048

ELECTIVE 0732 EMERGENCY SERVICES 2 MAY BE SCHEDULED IN CONJUNCTION WITH 0789 OR 0790 TO CREATE A TWO-CREDIT BLOCK.

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0723 THERAPEUTIC SERVICES (continued)**

**Recommended Electives: (continued)**

1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HE0226 VETERINARY TECHNOLOGY (ADULT)**

**Required Courses:**

0120	VET TECH I	VETERINARY TECHNOLOGY I	7403
0121	VET TECH II	VETERINARY TECHNOLOGY II	7403
0122	VET TECH III	VETERINARY TECHNOLOGY III	7403
0123	VET TECH IV	VETERINARY TECHNOLOGY IV	7403
0124	VET TECH V	VETERINARY TECHNOLOGY V	7403
0125	VET TECH VI	VETERINARY TECHNOLOGY VI	7403
0126	VET TECH VII	VETERINARY TECHNOLOGY VII	7403
0127	VET TECH VIII	VETERINARY TECHNOLOGY VIII	7403
0128	VET TECH IX	VETERINARY TECHNOLOGY IX	7403
0129	VET TECH X	VETERINARY TECHNOLOGY X	7403
0130	VET TECH XI	VETERINARY TECHNOLOGY XI	7403
0119	VET TECH XII	VETERINARY TECHNOLOGY XII	7403

**HE0700 DENTAL ASSISTING (ADULT)**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0715	AD PRIN HLTH SCI	ADVANCED PRINCIPLES OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608
0740	DNTL ASST I	DENTAL ASSISTING I	7043
0748	DNTL ASST II	DENTAL ASSISTING II	7043
0746	DNTL ASST III	DENTAL ASSISTING III	7043
0743	DNTL ASST IV	DENTAL ASSISTING IV	7043
0741	DNTL ASST V	DENTAL ASSISTING V	7043
0744	DNTL ASST VI	DENTAL ASSISTING VI	7043
0731	DNTL ASST VII	DENTAL ASSISTING VII	7043

**Recommended Electives:**

0742	DNTL CLN PRC	DENTAL ASSISTANT CLINICAL PRACTICE	7043
0745	DNTL CLN MEN	DENTAL ASSISTING CLINICAL MENTORING	7043
0747	DNTL SPEC	DENTAL SPECIALTIES	7043
0749	SUP DNTL EXP	SUPERVISED DENTAL CLINICAL EXPERIENCE	7043
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0730 MEDICAL ASSISTING (ADULT)**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
0758	INTRO MED ASST	INTRODUCTION TO MEDICAL ASSISTING	7045, 7048, 7041, 7042
0735	MED AD PR I	MEDICAL ASSISTANT ADMINISTRATIVE PROCEDURES I	7045, 7048, 7041, 7042
0825	PHLEB TECH	PHLEBOTOMY SKILLS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606
0773	PHLEB SKL	PHLEBOTOMY SKILLS (ADULT)	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606
0810	ELECD TECH	ELECTROCARDIOGRAPH SKILLS	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7611
0733	MED CLIN PR	MEDICAL ASSISTANT CLINICAL PROCEDURES	7045, 7041, 7042, 7048
0759	PHARM MED ASST	PHARMACOLOGY FOR MEDICAL ASSISTING	0741, 0742, 7045, 0748
0737	MED LB DX PR	MEDICAL ASSISTANT LAB AND DIAGNOSTIC PROCEDURES	7041, 7042, 7045, 7048
0765	MED ASST PRACT	MEDICAL ASSISTANT PRACTICUM	7041, 7042, 7045, 7048
0730	SCI CLNL EXP	SCIENCE CLINICAL EXPERIENCE	7041, 7042, 7043, 7045, 7048, 7050, 7171, 7172, 7606, 7607, 7608

**Recommended Electives:**

0763	MED ASST	MEDICAL ASSISTANT	7041, 7042, 7045, 7048
0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0734	MED AD PHARM	MEDICAL ASSISTANT ADVANCED PHARMACOLOGY	7041, 7042, 7045, 7048
0736	MED AD PR II	MEDICAL ASSISTANT ADMINISTRATIVE PROCEDURES II	7041, 7042, 7045, 7048
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HE0761 CERTIFIED NURSING ASSISTANT (ADULT)**

**Required Courses:**

0615	CERT NURS ASST	CERTIFIED NURSING ASSISTANT	7041, 7042, 7048
------	----------------	-----------------------------	------------------

**Recommended Electives:**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0764 DENTAL LABORATORY TECHNOLOGY (ADULT)**

**Required Courses:**

0621	DNTL LAB TECH I	DENTAL LABORATORY TECHNOLOGY I	7043
0622	DNTL LAB TECH II	DENTAL LABORATORY TECHNOLOGY II	7043
0623	DNTL LAB TECH III	DENTAL LABORATORY TECHNOLOGY III	7043
0624	DNTL LAB TECH IV	DENTAL LABORATORY TECHNOLOGY IV	7043
0626	DNTL LAB TECH V	DENTAL LABORATORY TECHNOLOGY IV	7043
0627	DNTL LAB TECH VI	DENTAL LABORATORY TECHNOLOGY VI	7043
0620	DNTL LAB TECH VII	DENTAL LABORATORY TECHNOLOGY VII	7043

**Recommended Electives:**

0625	PARTIAL DENTURE	PARTIAL DENTURES	7043
0628	APP DNTL LAB TCH	APPLICATION IN DENTAL LABORATORY TECHNOLOGY	7043
0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
0748	DNTL ASST II	DENTAL ASST II	7043
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HE0770 PHARMACY TECHNICIAN (ADULT)**

**Required Courses:**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
0636	PHAR TECH I	PHARMACY TECHNICIAN I	7041, 7042, 7048, 7606, 7608
0637	PHAR TECH II	PHARMACY TECHNICIAN II	7041, 7042, 7048, 7606, 7608
0638	PHAR TECH III	PHARMACY TECHNICIAN III	7041, 7042, 7048, 7606, 7608
0639	PHAR TECH IV	PHARMACY TECHNICIAN IV	7041, 7042, 7048, 7606, 7608
0635	PHAR TECH V	PHARMACY TECHNICIAN V	7041, 7042, 7048, 7606, 7608
0634	PHAR TECH VI	PHARMACY TECHNICIAN VI	7041, 7042, 7048, 7606, 7608
0633	PHAR TECH VII	PHARMACY TECHNICIAN VII	7041, 7042, 7048, 7606, 7608

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0776 PRACTICAL NURSING (ADULT)**

THE BOARD SUGGESTS THE FOLLOWING SUBJECT AND COMBINED CLASSROOM AND CLINICAL INSTRUCTIONAL HOURS: PRINCIPLES AND FUNDAMENTALS 200, \*SOCIAL SCIENCES INTEGRATED 150, ANATOMY AND PHYSIOLOGY 60, NUTRITION AND DIET THERAPY 40, PHARMACOLOGY 80, GERIATRICS 100, PSYCHIATRIC NURSING 100, OBSTETRICS 60, PEDIATRICS 60

**Required Courses:**

0601	PRAC NURSE I	PRACTICAL NURSING I	7041
0602	PRAC NURSE II	PRACTICAL NURSING II	7041
0603	PRAC NURSE III	PRACTICAL NURSING III	7041
0604	PRAC NURSE IV	PRACTICAL NURSING IV	7041
0605	PRAC NURSE V	PRACTICAL NURSING V	7041
0606	PRAC NURSE VI	PRACTICAL NURSING VI	7041
0607	PRAC NURSE VII	PRACTICAL NURSING VII	7041
0608	PRAC NURSE VIII	PRACTICAL NURSING VIII	7041
0609	PRAC NURSE IX	PRACTICAL NURSING IX	7041
0610	PRAC NURSE X	PRACTICAL NURSING X	7041

**Recommended Electives:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
0725	UN HUMAN BEHAV	UNDERSTANDING HUMAN BEHAVIOR	7041, 7042, 7045, 7048, 7172
0732	EMERG SRV 2	EMERGENCY SERVICES 2	7050
0739	NUTRI WELL	NUTRITION AND WELLNESS	7041, 7042, 7043, 7045, 7048, 7172
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HE0779 RESPIRATORY THERAPY (ADULT)**

**Required Courses:**

0641	RESP THRPY I	RESPIRATORY THERAPY I	7606
0642	RESP THRPY II	RESPIRATORY THERAPY II	7606
0643	RESP THRPY III	RESPIRATORY THERAPY III	7606
0644	RESP THRPY IV	RESPIRATORY THERAPY IV	7606
0645	RESP THRPY V	RESPIRATORY THERAPY V	7606
0646	RESP THRPY VI	RESPIRATORY THERAPY VI	7606
0647	RESP THRPY VII	RESPIRATORY THERAPY VII	7606
0648	RESP THRPY VIII	RESPIRATORY THERAPY VIII	7606
0649	RESP THRPY IX	RESPIRATORY THERAPY IX	7606
0650	RESP THRPY X	RESPIRATORY THERAPY X	7606
0660	RESP THRPY XI	RESPIRATORY THERAPY XI	7606
0661	RESP THRPY XII	RESPIRATORY THERAPY XII	7606
0662	RESP THRPY XIII	RESPIRATORY THERAPY XIII	7606
0663	RESP THRPY XIV	RESPIRATORY THERAPY XIV	7606

**CAREER AND TECHNICAL EDUCATION:  
HEALTH SCIENCE EDUCATION CLUSTER (HE)  
(Continued)**

**THERAPEUTIC SERVICES PATHWAY (continued)**

**HE0779 RESPIRATORY THERAPY TECHNICIAN (ADULT) (continued)**

**Recommended Electives:**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HE0782 SURGICAL TECHNOLOGY (ADULT)**

**Required Courses:**

0651	SURG TECH I	SURGICAL TECHNOLOGY I	7607
0652	SURG TECH II	SURGICAL TECHNOLOGY II	7607
0653	SURG TECH III	SURGICAL TECHNOLOGY III	7607
0654	SURG TECH IV	SURGICAL TECHNOLOGY IV	7607
0655	SURG TECH V	SURGICAL TECHNOLOGY V	7607
0656	INTR SPLY/EM SKL	INTRO TO CENTRAL SUPPLY & EMPLOYABILITY SKILLS	7607
0657	SURG TECH VI	SURGICAL TECHNOLOGY VI	7607
0658	SURG TECH VII	SURGICAL TECHNOLOGY VII	7607

**Recommended Electives:**

0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714

**HE0795 MESSAGE THERAPY (ADULT)**

**Required Courses:**

0716	BOD STR FUNC	BODY STRUCTURES AND FUNCTIONS	7041, 7043, 7045, 7048, 7172, 7606, 7607
0714	INTRO HLTH CAR	INTRODUCTION TO HEALTH CARE	7041, 7042, 7043, 7045, 7048, 7050, 7172, 7606, 7607, 7608
0831	MESSAGE I	MESSAGE THERAPY I	7625
0832	MESSAGE II	MESSAGE THERAPY II	7625
0833	MESSAGE III	MESSAGE THERAPY III	7625
0834	MESSAGE IV	MESSAGE THERAPY IV	7625
0836	MESSAGE V	MESSAGE THERAPY V	7625
0835	APP MESSAGE TH	APPLICATION OF MESSAGE THERAPY	7625

**Recommended Electives:**

1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
------	-----------------	--	--

## CAREER AND TECHNICAL EDUCATION: HOSPITALITY AND TOURISM CLUSTER (HO)

Endorsement codes utilized in teaching Hospitality and Tourism Cluster			
0227	Parks and Recreation Management	0710	Marketing Education
0400	Business Principles	1601	Occupational Home Economics
	Business Principles Including Business		
0419	Mathematics	1615	Food Services
0500	Secretarial Studies or Occupation Commerce	1700	Vocational Home Economics
	Secretarial Studies including Business		
0519	Mathematics	1705	Consumer & Homemaking
0560	Business Education Specialist	1706	Family & Consumer Science
0561	Marketing Education Specialist	7094	Food Preparation (Cooking)
0600	Business Education	7095	Culinary Arts
0603	Business Education/Marketing	7097	Food Service
0605	Business Education including Business Math	7315	Lodging, Travel and Tourism
0700	Distributive Education	7320	Event Planning and Design Production

### HO1735 IWRC HOSPITALITY AND TOURISM

APPROVED CONCENTRATION HOSPITALITY SKILLS CERTIFICATION  
 APPROVED CONCENTRATION TRAVEL AND TOURISM MANAGEMENT  
 APPROVED CONCENTRATION LODGING MANAGEMENT PROGRAM  
 APPROVED CONCENTRATION PROSTART RESTAURANT MANAGEMENT

### HO1740 CIEL HOSPITALITY AND TOURISM

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### LODGING PATHWAY

#### HO1200 LODGING MANAGEMENT PROGRAM

##### Required Courses:

1203	FRONT OFFICE	FRONT OFFICE FOUNDATIONS	1706, 7315
1204	LDG HSKPG MGMT	LODGING HOUSEKEEPING MANAGEMENT	1706, 7315
1205	LDG LDRSHP MGMT	LODGING LEADERSHIP MANAGEMENT	1706, 7315
1206	LDG SUP SVC	LODGING SUPPORT SERVICES	1706, 7315

##### Recommended Electives:

0437	HOSP TOUR MKT	HOSPITALITY AND TOURISM MARKETING	0560, 0561, 0603, 0700, 0710
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
1211	INTRO HOSP/TOUR	INTRODUCTION TO HOSPITALITY AND TOURISM	0227, 1706, 7315, 7320
1212	EVT/TOUR INTERN	EVENT AND PROJECT PLANNING AND MANAGEMENT	0227, 7315, 7320
1445	MGMT ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
7663	TRAVEL WV	TRAVEL WEST VIRGINIA	Appropriate for Grade Level
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA



**CAREER AND TECHNICAL EDUCATION:  
HOSPITALITY AND TOURISM CLUSTER (HO)  
(Continued)**

**RESTAURANTS AND FOOD/BEVERAGE SERVICES PATHWAY**

**HO1010 PROSTART RESTAURANT MANAGEMENT**

**Required Courses:**

1013	REST/CUL FOUND	RESTAURANT AND CULINARY FOUNDATIONS	1615, 1700, 1705, 1706, 7094, 7095, 7097
1014	REST MGMT ESSTL	RESTAURANT AND MANAGEMENT ESSENTIALS	1615, 1700, 1705, 1706, 7094, 7095, 7097
1019	ADV PRIN FD PROD	ADVANCED PRINCIPLES IN FOOD PRODUCTION	1615, 1700, 1705, 1706, 7094, 7095, 7097
1020	REST PROF	RESTAURANT PROFESSIONAL	1615, 1700, 1705, 1706, 7094, 7095, 7097

**Recommended Electives:**

1015	HOSP PROD&SRV	HOSPITALITY PRODUCTS AND SERVICES	0227, 1615, 1700, 1705, 1706, 7094, 7095, 7315, 7320
1016	FOOD MGMT PRA	FOOD SERVICE MANAGEMENT PRACTICES	1615, 1700, 1705, 1706, 7094, 7095, 7097
1017	CUL NUTRI/MENU	CULINARY NUTRITION AND THE MENU	1615, 1700, 1705, 1706, 7094, 7095, 7097
1018	BAKE PASTRY	BAKING AND PASTRY APPLICATIONS	1615, 1700, 1705, 1706, 7094, 7095, 7097
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
7663	TRAVEL WV	TRAVEL WEST VIRGINIA	Appropriate for Grade Level
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
HOSPITALITY AND TOURISM CLUSTER (HO)  
(Continued)**

**RESTAURANTS AND FOOD/BEVERAGE SERVICES PATHWAY (continued)**

**HO2050 CULINARY ARTS (ADULT)**

**Required Courses:**

2051	CLNARY ARTS E1	CULINARY ARTS ELE1	7094, 7095, 7097
2052	CLNARY ARTS E2	CULINARY ARTS ELE2	7094, 7095, 7097
2053	CLNARY ARTS E3	CULINARY ARTS ELE3	7094, 7095, 7097
2054	CLNARY ARTS E4	CULINARY ARTS ELE4	7094, 7095, 7097

**Recommended Courses:**

1215	FD & BVGE SRV	FOOD AND BEVERAGE SERVICE	1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
1216	RMS DIV & HSKPG	ROOMS DIVISION AND HOUSEKEEPING	1706, 7315
1217	HOSP SUP SRV	HOSPITALITY SUPPORT SERVICES	0227, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
7663	TRAVEL WV	TRAVEL WEST VIRGINIA	Appropriate for Grade Level

**TRAVEL AND TOURISM PATHWAY**

**HO1210 HOSPITALITY AND TOURISM**

**Required Courses:**

1211	INTR HOSP&TOUR	INTRODUCTION TO HOSPITALITY AND TOURISM	0227, 1706, 7315, 7320
7663	TRAVEL WV	TRAVEL WEST VIRGINIA	Appropriate for Grade Level

**SELECT TWO COURSES FROM ONE OF THE FOLLOWINGSPECIALIZATIONS**

**EVENT PLANNING AND DESIGN (A)**

1212	EVT/PROJ PLGN MG	EVENT AND PROJECT PLANNING AND MANAGEMENT	0227, 7315, 7320
1115	EVT PLN ESSTL	EVENT PLANNING ESSENTIALS	7320
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
1116	EVT PROD OPS	EVENT PRODUCTION OPERATIONS	7320
1143	EVT DSGN DEV	EVENT DESIGN DEVELOPMENT	7320
1144	EVT DGSN PROJ	EVENT DESIGN PROJECT	7320
1145	EVT EEE	EVENT PLANNING: ETHICS, ETIQUETTE & ENTREP	7320

**CAREER AND TECHNICAL EDUCATION:  
HOSPITALITY AND TOURISM CLUSTER (HO)  
(Continued)**

**TRAVEL AND TOURISM PATHWAY (continued)**

**HO1210 HOSPITALITY AND TOURISM (continued)**

**PARKS AND RECREATION (B)**

1086	OUT ED/RES MGMT	OUTDOOR EDUCATION AND RESOURCE MANAGEMENT	0227
1125	PKS & REC PRG MG	PARKS AND RECREATION PROGRAMS MANAGEMENT	0227
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
1126	PKS & FCLTY DSGN	PARKS & FACILITY DESIGN	0227, 7315
1212	EVT/PRJ PLNG/MGT	EVENT & PROJECT PLANNING & MANAGEMENT	0227, 7315, 7320
1220	HOSP ENTRPR APP	HOSPITALITY ENTREPRENEURSHIP APPLICATIONS	0227, 0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
1221	LEISUR BEHAV	LEISURE BEHAVIOR	0227, 7315
1222	INTR REC/LEISURE	INTRODUCTION TO RECREATION & LEISURE	0227, 7315

**HOSPITALITY, TRAVEL AND TOURISM (C)**

1015	HOSP PROD/SRV	HOSPITALITY PRODUCTS AND SERVICES	0227, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
0437	HOSP TOUR MKT	HOSPITALITY AND TOURISM MARKETING	0560, 0561, 0603, 0700, 0710
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
1203	FRT OFFICE	FRONT OFFICE FOUNDATIONS	1706, 7315
1205	LDG LDRSHP MGMT	LODGING LEADERSHIP MANAGEMENT	1706, 7315
1212	EVT/PRJ PLNG/MGT	EVENT & PROJECT PLANNING & MANAGEMENT	0227, 7315, 7320
1217	HOSP SPT SRV	HOSPITALITY SUPPORT SERVICES	0227, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
1445	MGMT ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**CAREER AND TECHNICAL EDUCATION:  
HOSPITALITY AND TOURISM CLUSTER (HO)  
(Continued)**

**TRAVEL AND TOURISM PATHWAY (continued)**

**HO1210 HOSPITALITY AND TOURISM (continued)**

**ADVENTURE TOURISM (D)**

1086	OUT ED/RES MGMT	OUTDOOR EDUCATION AND RESOURCE MANAGEMENT	0227, 7315
0438	ADVENT TOUR	ADVENTURE TOURISM	0227, 7315
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
0422	MKT PRINC	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
1221	LEISUR BEHAV	LEISURE BEHAVIOR	0227, 7315
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**ENTREPRENEURSHIP (E)**

1445	MGMT & ENTRPR	MANAGEMENT AND ENTREPRENEURSHIP	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
1220	HOSP ENTRPR APP	HOSPITALITY ENTREPRENEURSHIP APPLICATIONS	0227, 0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
1210	HOSP/TOUR INTER	HOSPITALITY AND TOURISM INTERNSHIP	0227, 1601, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
1015	HOSP PROD/SRV	HOSPITALITY PRODUCTS AND SERVICES	0227, 1615, 1700, 1705, 1706, 7094, 7095, 7097, 7315, 7320
0437	HOSP TOUR MKT	HOSPITALITY AND TOURISM MARKETING	0560, 0561, 0603, 0700, 0710
1086	OUT/ED RST MGMT	OUTDOOR EDUCATION AND RESOURCE MANAGEMENT	0227, 7315
1206	LDG SUP SVR	LODGING SUPPORT SERVICES	1706, 7315
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

## CAREER AND TECHNICAL EDUCATION: HUMAN SERVICES CLUSTER (HU)

### Endorsement codes utilized in teaching the Human Services Cluster:

0227	Parks and Recreation Management	7065	Cosmetology
1600	General Home Economics <sup>1</sup>	7185	Social Services Occupations
1601	Occupational Home Economics	7316	Personal Organizer
1615	Food Services	7317	Early Childhood Education
1700	Vocational Home Economics	7626	Personal Fitness and Wellness Training
1705	Consumer & Homemaking	7627	Direct Support Professional
1706	Family & Consumer Science	7714	Prevention Support Specialist

<sup>1</sup>No state or federal vocational funding if the teacher is certified in general home economics.

### HU1735 IWRC HUMAN SERVICES

APPROVED CONCENTRATION SOCIAL SERVICES ASSISTANT

### HU1001 CIEL HUMAN SERVICES

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### COUNSELING AND MENTAL HEALTH SERVICES PATHWAY

#### HU1015 PREVENTION SUPPORT SPECIALIST

#### Required Courses:

0903	PSF	PARENTING & STRONG FAMILIES (8-12)	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7714, (3600, 3601, 3602, 3603, 3605, 3606)* *Must also be certified in appropriate grade levels of students they are instructing.
0928	FUND HUM SVC	FUNDAMENTALS OF HUMAN SERVICES	1600, 1700, 1705, 1706, 7185, 7627, 7714
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
1061	PR APP PREV ASST	PRACTICAL APPLICATIONS OF PREVENTION ASST	7185, 7714

**CAREER AND TECHNICAL EDUCATION:  
HUMAN SERVICES CLUSTER (HU)  
(Continued)**

**COUNSELING AND MENTAL HEALTH SERVICES PATHWAY (continued)**

**HU1015 PREVENTION SUPPORT SPECIALIST (continued)**

**Recommended Electives:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
6921	CMTY HEALTH	COMMUNITY HEALTH	2200, 2205, 2215, 2250, 7627, 7714
6931	HEALTH ED	HEALTH EDUCATION	2200, 2205, 2215, 2250, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HU1016 VIRTUAL WELLNESS COACHING**

**Required Courses:**

1056	HLTH & PRSL WLNS	HEALTH AND PERSONAL WELLNESS	*****
1057	ASPECTS OF WLNS	ASPECTS OF WELLNESS	*****
1058	FTNS FDMTL	FITNESS FUNDAMENTALS	*****
1059	CRS WLNS COACH	CAREERS IN WELLNESS COACHING	*****

**CAREER AND TECHNICAL EDUCATION:  
HUMAN SERVICES CLUSTER (HU)  
(Continued)**

**EARLY CHILDHOOD DEVELOPMENT AND SERVICES PATHWAY**

**HU1000 EARLY CHILDHOOD EDUCATION**

**Required Courses:**

1003	ECE I	EARLY CHILDHOOD EDUCATION I	1601, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7317
1004	ECE II	EARLY CHILDHOOD EDUCATION II	1601, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7317
1008	ECE III	EARLY CHILDHOOD EDUCATION III	1601, 1605, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7317
1009	ECE IV	EARLY CHILDHOOD EDUCATION IV	1601, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7317

**Specialization:**

1010	ECCAT INTERN	EARLY CHILDHOOD CLASSROOM ASSIST TEACHER INTERNSHIP	1601, 1605, 1700, 1705, 1706, 3600, 3601, 3602, 3603, 3606, 7317
------	--------------	--	--

**Recommended Electives:**

0903	PSF	PARENTING & STRONG FAMILIES (8-12)	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7714, (3600, 3601, 3602, 3603, 3605, 3606)* *Must also be certified in appropriate grade levels of students they are instructing.
0927	FAM COMM SVC	FAMILY AND COMMUNITY SERVICES	1601, 1700, 1705, 1706, 7185, 7316, 7317, 7626, 7627, 7714
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
HUMAN SERVICES CLUSTER (HU)  
(Continued)**

**FAMILY AND COMMUNITY SERVICES PATHWAY**

**HU1025 SOCIAL SERVICES ASSISTANT**

**Required Courses:**

0904	HUMAN DEV	HUMAN DEVELOPMENT	1601, 1700, 1705, 1706, 7185, 7317, 7627, 7714
0928	FUND HUM SVC	FUNDAMENTALS OF HUMAN SERVICES	1601, 1700, 1705, 1706, 7185, 7627, 7714
1070	APP SOC SRV	PRACTICAL APPLICATIONS OF SOCIAL SERVICES	1601, 1700, 1705, 1706, 7185

SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE

1071	SEM BEHAV HLTH	SEMINAR IN BEHAVIORAL HEALTH SERVICES	7185, 7627, 7714
1072	SEM MED SOC SRV	SEMINAR IN MEDICAL SOCIAL SERVICES	7185, 7627, 7714
1073	SEM FCS	SEMINAR IN FAMILY AND COMMUNITY SERVICES	1600, 1700, 1705, 1706, 7185

**Recommended Electives:**

0711	FOUND HLTH SCI	FOUNDATIONS OF HEALTH SCIENCE	7041, 7042, 7043, 7045, 7048, 7171, 7172, 7606, 7607, 7608, 7614, 7714
0721	MED TERMNLGY	MEDICAL TERMINOLOGY	7043, 7048, 7050, 7172, 7604, 7606, 7607, 7608, 7610
6921	CMTY HEALTH	COMMUNITY HEALTH	2200, 2205, 2215, 2250, 7627, 7714
6931	HEALTH ED	HEALTH EDUCATION	2200, 2205, 2215, 2250, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HU1080 DIRECT SUPPORT PROFESSIONAL (DSP)**

**Required Courses:**

1050	WEL ISS SPL POP	WELLNESS ISSUES FOR SPECIAL POPULATIONS	1601, 1605, 1700, 1705, 1706, 7185, 7626, 7627
1074	ADVOC & EMPWR	ADVOCACY AND EMPOWERMENT	7185, 7627
1100	BST PR COMM SUP	BEST PRACTICES IN COMMUNITY SUPPORT	7185, 7627
1110	DIR SUP ROL/ENV	ORIENTATION TO THE DIR SUPPORT ROLE & ENVIRONMT	7185, 7627

**Recommended Electives:**

0904	HUMAN DEV	HUMAN DEVELOPMENT	1601, 1700, 1705, 1706, 7185, 7317, 7627, 7714
0928	FUND HUM SVC	FUNDAMENTALS OF HUMAN SERVICES	1601, 1700, 1705, 1706, 7185, 7627, 7714
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA



**CAREER AND TECHNICAL EDUCATION:  
HUMAN SERVICES CLUSTER (HU)  
(Continued)**

**FAMILY AND COMMUNITY SERVICES PATHWAY (continued)**

**HU2320 HEALTH AND SAFETY LEADERSHIP**

**Required Courses:**

0912	PER EMPW/LDSHP	PERSONAL EMPOWERMENT AND LEADERSHIP SKILLS	1601, 1700, 1705, 1706, 7185, 7316, 7317, 7626, 7627, 7710, 7714
1049	FUND HLTH/SFTY	FUNDAMENTALS OF HEALTH AND SAFETY	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7316, 7317, 7626, 7627, 7710, 7714
1051	FND OF WELNS	FOUNDATIONS OF WELLNESS	1601, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7626, 7710
0911	PRSL RES MGMT	PERSONAL RESOURCE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 1601, 1700, 1705, 1706, 7185, 7316

**Recommended Electives:**

0904	HUMAN DEV	HUMAN DEVELOPMENT	1601, 1700, 1705, 1706, 7185, 7317, 7627, 7714
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
6709	FITNESS/COND	FITNESS/CONDITIONING ACTIVITIES	2200, 2210, 2215, 2250, 7626
6921	CMTY HEALTH	COMMUNITY HEALTH	2200, 2205, 2215, 2250, 7627, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HU2321 VIRTUAL FAMILY SERVICES**

**Required Courses:**

0906	FMLY SYSTEMS	FAMILY SYSTEMS	*****
1056	HLTH & PRSL WLNS	HEALTH AND PERSONAL WELLNESS	*****
0907	FMLY STRESSORS	FAMILY STRESSORS	*****
0908	FMLY LIFE SKLS	FAMILY LIFE SKILLS	*****

**HU2322 VIRTUAL CHILDCARE**

**Required Courses:**

0934	CHILDCARE I	CHILDCARE I	*****
0935	CHILDCARE II	CHILDCARE II	*****
0936	CHILDCARE III	CHILDCARE III	*****
0937	CHILDCARE IV	CHILDCARE IV	*****

**HU2323 VIRTUAL COUNSELING AND MENTAL HEALTH**

**Required Courses:**

0942	INTRO MTL HLTH	INTRODUCTION TO MENTAL HEALTH	*****
0943	ASPECTS CSLG	ASPECTS OF COUNSELING	*****
0944	FMLY COUNSELG	FAMILY COUNSELING	*****
0945	CRRS COUNSEL	CAREERS IN COUNSELING	*****

**CAREER AND TECHNICAL EDUCATION:  
HUMAN SERVICES CLUSTER (HU)  
(Continued)**

**PERSONAL CARE SERVICES PATHWAY**

**HU1090 PERSONAL ORGANIZER**

**Required Courses:**

0911	PRSL RES MGMT	PERSONAL RESOURCE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 1601, 1605, 1700, 1705, 1706, 7185, 7316
1230	ESST PROF ORG	ESSENTIALS OF PROFESSIONAL ORGANIZING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7185, 7316
1231	FUND ORG PRINC	FUNDAMENTAL ORGANIZING PRINCIPLES	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7185, 7316
1232	PRJ MGMT PROF	PROJECT MGMT FOR PROFESSIONAL ORGANIZERS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7185, 7316

**Recommended Electives:**

0904	HUMAN DEV	HUMAN DEVELOPMENT	1601, 1700, 1705, 1706, 7185, 7317, 7627, 7714
1049	FUND HLTH/SFTY	FUNDAMENTALS OF HEALTH AND SAFETY	1601, 1605, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185
1051	FND OF WELNS	FOUNDATIONS OF WELLNESS	1601, 1605, 1700, 1705, 1706, 2200, 2205, 2210, 2215, 2250, 7185, 7626
1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**HU1730 COSMETOLOGY ACADEMY**

**Required Courses:**

1737	CSMT 1ORNTN	CSMT 1 - ORIENTATION TO COSMETOLOGY	7065
1738	CSMT 2 SCI I	CSMT 2 - COSMETOLOGY SCIENCE I	7065
1740	CSMT 3 SCI II	CSMT 3 - COSMETOLOGY SCIENCE II	7065
1734	CSMT 4 HA ST I	CSMT 4 - FUNDAMENTALS OF HAIR STYLING I	7065

**Recommended Electives:**

1736	CSMT 5 HA ST II	CSMT 5 - FUNDAMENTALS OF HAIR STYLING II	7065
1735	CSMT 6 HA ST III	CSMT 6 - FUNDAMENTALS OF HAIR STYLING III	7065
1732	CSMT 7 SKIN SCI I	CSMT 7 – SKIN SCIENCES I	7065
1739	CSMT 8 SKIN SCI II	CSMT 8 – SKIN SCIENCES II	7065
1731	CSMT 9 AESTH SCI	CSMT 9 - AESTHETICS SCIENCE	7065
1714	CSMT 10 AESTH PR	CSMT 10 – AESTHETICS PRACTICES	7065
1716	CSMT 11 NAIL TS	CSMT 11 – NAIL TECHNOLOGY SCIENCE	7065
1717	CSMT 12 NAIL TP	CSMT 12 – NAIL TECHNOLOGY PROCEDURES	7065
1719	CSMT 13 NAIL TECH	CSMT 13 – NAIL TECHNOLOGY	7065
1733	CSMT 14 BUS MGMT	CSMT 14 – BUSINESS MANAGEMENT	7065

**CAREER AND TECHNICAL EDUCATION:  
HUMAN SERVICES CLUSTER (HU)  
(Continued)**

**PERSONAL CARE SERVICES PATHWAY (continued)**

**HU2055 NAIL TECHNOLOGY**

**Required Courses:**

1720	NAIL TECH	NAIL TECHNICIAN	7065
1719	CSMT 13 NAIL TECH	CSMT 13 – NAIL TECHNOLOGY	7065
1732	CSMT 7 SKIN SCI I	CSMT 7 – SKIN SCIENCE I	7065
1733	CSMT 14 BUS MGMT	CSMT 14 - BUSINESS MANAGEMENT	7065

**Recommended Electives:**

1737	CSMT 1 ORIENT	CSMT 1 - ORIENTATION TO COSMETOLOGY	7065
1738	CSMT 2 SCI I	CSMT 2 - COSMETOLOGY SCIENCE I	7065

**HU2305 BARBERING**

**Required Courses:**

1150	INTRO BARBER	INTRODUCTION TO BARBERING	7065
1151	SCI OF BARBER	THE SCIENCE OF BARBERING	7065
1152	BARBER PRAC I	BARBERING PRACTICES I	7065
1153	BARBER PRAC II	BARBERING PRACTICES II	7065

**HU2310 HAIR STYLIST**

**Required Courses:**

1155	PROF HAIR STYLE	THE PROFESSION OF HAIR STYLING	7065
1156	SCI OF HAIR STYLE	THE SCIENCE OF HAIR STYLING	7065
1157	HAIR STYLING I	HAIR STYLING I	7065
1158	HAIR STYLING II	HAIR STYLING II	7065

**HU1731 COSMETOLOGY (ADULT)**

**Required Courses:**

1737	CSMT 1ORNTN	CSMT 1 - ORIENTATION TO COSMETOLOGY	7065
1738	CSMT 2 SCI I	CSMT 2 - COSMETOLOGY SCIENCE I	7065
1740	CSMT 3 SCI II	CSMT 3 - COSMETOLOGY SCIENCE II	7065
1734	CSMT 4 HA ST I	CSMT 4 - FUNDAMENTALS OF HAIR STYLING I	7065
1736	CSMT 5 HA ST II	CSMT 5 - FUNDAMENTALS OF HAIR STYLING II	7065
1735	CSMT 6 HA ST III	CSMT 6 - FUNDAMENTALS OF HAIR STYLING III	7065
1732	CSMT 7 SKIN SCI I	CSMT 7 – SKIN SCIENCES I	7065
1739	CSMT 8 SKIN SCI II	CSMT 8 – SKIN SCIENCES II	7065
1731	CSMT 9 AESTH SCI	CSMT 9 - AESTHETICS SCIENCE	7065
1714	CSMT 10 AESTH PR	CSMT 10 – AESTHETICS PRACTICES	7065
1716	CSMT 11 NAIL TS	CSMT 11 – NAIL TECHNOLOGY SCIENCE	7065
1717	CSMT 12 NAIL TP	CSMT 12 – NAIL TECHNOLOGY PROCEDURES	7065
1719	CSMT 13 NAIL TECH	CSMT 13 – NAIL TECHNOLOGY	7065
1733	CSMT 14 BUS MGMT	CSMT 14 – BUSINESS MANAGEMENT	7065

## CAREER AND TECHNICAL EDUCATION: INFORMATION TECHNOLOGY CLUSTER (IT)

### Endorsement codes utilized in teaching the Information Technology Cluster:

0400	Business Principles	7121	Data Processing Programming
0419	Business Principles Including Business Mathematics	7123	Computer Systems Repair
0500	Secretarial Studies or Occupation Commerce	7131	Electronics Technology
0519	Secretarial Studies including Business Mathematics	7132	Communications Technology
0560	Business Education Specialist	7134	Electro-Mechanical Technology
0561	Marketing Education Specialist	7175	Broadcasting Technology
0600	Business Education	7185	Social Services Occupations
0603	Business Education/Marketing	7212	Computer Technology
0605	Business Education including Business Math	7316	Personal Organizer
0608	Technology Education	7317	Early Childhood Education
1800	Industrial Arts	7449	AC Informatics I
1801	General Shop	7450	AC Informatics II
1802	Technical Education	7451	AC Informatics III
4700	Multiple Activities	7452	AC Informatics IV
7030	Electrical Technology	7703	ORACLE
7031	Industrial Electricity	7704	Certified Internet Webmaster (CIW)
7035	General Electrical Occupations	7714	Prevention Support Specialist
7037	Industrial Electronics	7954	Networking
7038	Electric Products		

### IT1000 CIEL INFORMATION TECHNOLOGY

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### INFORMATION SUPPORT AND SERVICES PATHWAY

#### IT1930 ORACLE

#### Required Courses:

1932	ORACLE 1	ORACLE I - DATA MODELING	7703
1933	ORACLE-DBD	DB DESIGN AND MGMT WITH PL/SQL PART I	7703
1934	ORACLE 2	ORACLE II - SQL PROGRAMMING	7703
1935	ORCL-PL/SQL	INTRODUCTION TO PL/SQL PART II	7703

#### Recommended Electives:

#### IT2210 INFORMATICS (ADVANCED CAREERS)

1550	AC INFORMATICS I	AC INFORMATICS I	7449
1551	AC INFORMATICS II	AC INFORMATICS II	7450
1552	AC INFORMATICS III	AC INFORMATICS III	7451
1553	AC INFORMATICS IV	AC INFORMATICS IV	7452

**CAREER AND TECHNICAL EDUCATION:  
INFORMATION TECHNOLOGY CLUSTER (IT)  
(Continued)**

**NETWORK SYSTEMS PATHWAY**

**IT1640 CISCO NETWORKING ACADEMIES**

**Required Courses:**

1642	CCENT1	CCENT1	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7131, 7132, 7134, 7212, 7954
1644	CCENT2	CCENT2	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7131, 7132, 7134, 7212, 7954
1646	CCENT3	CCENT3	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7131, 7132, 7134, 7212, 7954
1648	CCENT4	CCENT4	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7131, 7132, 7134, 7212, 7954

**Recommended Electives:**

1692	COMP HARDWARE	COMPUTER HARDWARE	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7123, 7131, 7212
1693	COMP OP SYSTEM	COMPUTER OPERATING SYSTEMS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7123, 7131, 7212
1696	NETSEC+	SECURITY+	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7123, 7131, 7212
1705	CMPSYS FUND	FUNDAMENTALS OF COMPUTER SYSTEMS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
1654	CCNA1	CCNA1	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7123, 7131, 7132, 7134, 7212, 7954
1658	CCNA2	CCNA2	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7123, 7131, 7132, 7134, 7212, 7954

**CAREER AND TECHNICAL EDUCATION:  
INFORMATION TECHNOLOGY CLUSTER (IT)  
(Continued)**

**NETWORK SYSTEMS PATHWAY (continued)**

**IT1640 CISCO NETWORKING ACADEMIES (continued)**

**Recommended Electives: (continued)**

1659	CCNA3	CCNA3	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7123, 7131, 7132, 7134, 7212, 7954
1660	CCNA4	CCNA4	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7035, 7037, 7038, 7121, 7123, 7131, 7132, 7134, 7212, 7954

**IT1680 COMPUTER SYSTEMS REPAIR TECHNOLOGY**

**Required Courses:**

1664	A+ ESSENTIALS	A+ ESSENTIALS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212
1665	A+ PRAC APP	A+ PRACTICAL APPLICATIONS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212
1694	NET ESSENTIALS	NETWORKING ESSENTIALS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212, 7954
1705	COM SYS FUND	FUNDAMENTALS OF COMPUTER SYSTEMS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212

**Recommended Electives:**

1695	NET-TECHSE	SERVER ESSENTIALS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212, 7954
1696	NETSEC+	SECURITY+	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7123, 7131, 7212
1697	NET-TECHWNE	WIRELESS NETWORKING ESSENTIALS	0608, 1800, 1801, 1802, 4700, 7030, 7035, 7037, 7038, 7121, 7131, 7212, 7954
1698	NET-TECHLE	LINUX ESSENTIALS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212, 7954
1706	CMPSYS IW	IMAGING FOR THE WEB	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212

**CAREER AND TECHNICAL EDUCATION:  
INFORMATION TECHNOLOGY CLUSTER (IT)  
(Continued)**

**NETWORK SYSTEMS PATHWAY (continued)**

**IT1680 COMPUTER SYSTEMS REPAIR TECHNOLOGY (continued)**

**Recommended Electives: (continued)**

1709	CMPSYS APPS	TECHNICAL COMPUTER APPLICATIONS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212
1711	CMPSYS WEB	WEB DEVELOPMENT AND SUPPORT	0608, 1800, 1801, 1802, 4700, 7012, 7030, 7031, 7033, 7035, 7037, 7038, 7039, 7121, 7131, 7134, 7212
1715	CMPSYS MLTI APP	MULTIMEDIA APPLICATIONS	7121, 7212
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**INTERACTIVE MEDIA PATHWAY**

**IT1440 MICROSOFT COMPUTER APPLICATION SPECIALIST (MCAS)**

**Required Courses:**

1433	MS WORD EXPT	MICROSOFT IT WORD EXPERT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1453	MS EXCEL EXPT	MICROSOFT IT EXCEL EXPERT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
SELECT TWO SPECIALIZATIONS TO COMPLETE:			
1425	COOP OFF ED	COOPERATIVE OFFICE EDUCATION	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1427	MS OUTLK/1NOT	MICROSOFT IT OUTLOOK AND ONENOTE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

1429	DSKTP PB	DESKTOP PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1431	DGTL IMG/MLT I	DIGITAL IMAGING/MULTIMEDIA I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7132, 7175
1432	DGTL IMG/MLT II	DIGITAL IMAGING/MULTIMEDIA II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710, 7131, 7132, 7175
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
INFORMATION TECHNOLOGY CLUSTER (IT)  
(Continued)**

**INTERACTIVE MEDIA PATHWAY (continued)**

**IT1440 MICROSOFT COMPUTER APPLICATION SPECIALIST (MCAS) (continued)**

**Recommended Electives: (continued)**

1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**IT1445 SIMULATION AND GAME DEVELOPMENT**

**Required Courses:**

1431	DGTL IMG/MLT I	DIGITAL IMAGING/MULTIMEDIA I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7132, 7175
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 1601, 1700, 1705, 1706, 7131, 7185, 7316, 7317, 7626, 7627, 7714
1465	GAME DSGN I	GAME DESIGN I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7131, 7132, 7175
1466	GAME DSGN II	GAME DESIGN II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7131, 7132, 7175

**Recommended Electives:**

1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1429	DSKTP PB	DESKTOP PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**IT1450 INFORMATION MANAGEMENT**

**Required Courses:**

1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1431	DGTL IMG/MLT I	DIGITAL IMAGING/MULTIMEDIA I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7132, 7175
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710, 7131, 7132, 7175

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

1429	DSKTP PB	DESKTOP PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1432	DGTL IMG/MLT II	DIGITAL IMAGING/MULTIMEDIA II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605



**CAREER AND TECHNICAL EDUCATION:  
INFORMATION TECHNOLOGY CLUSTER (IT)  
(Continued)**

**INTERACTIVE MEDIA PATHWAY (continued)**

**IT1450 INFORMATION MANAGEMENT (continued)**

**Recommended Electives:**

1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**IT1480 CERTIFIED INTERNET WEBMASTER (CIW)**

**Required Courses:**

1796	CIW DESIGN I	CIW DESIGN METHODOLOGY & TECHNOLOGY PART I	7704
1797	CIW DESIGN II	CIW DESIGN METHODOLOGY & TECHNOLOGY PART II	7704
1798	CIW FOUND I	CIW FOUNDATIONS PART I	7704
1799	CIW FOUND II	CIW FOUNDATIONS PART II	7704

**Recommended Electives:**

1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1431	DGTL IMG/MLT I	DIGITAL IMAGING/MULTIMEDIA I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7132, 7175
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710, 7131, 7132, 7175
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
INFORMATION TECHNOLOGY CLUSTER (IT)  
(Continued)**

**INTERACTIVE MEDIA PATHWAY (continued)**

**IT1441 ADVANCED MICROSOFT COMPUTER APPLICATION SPECIALIST (MCAS) (ADULT)**

**Required Courses:**

1433	MS WORD EXPT	MICROSOFT IT WORD EXPERT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1453	MS EXCEL EXPT	MICROSOFT IT EXCEL EXPERT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**SELECT TWO SPECIALIZATIONS TO COMPLETE:**

1512	WRKPLCPRACT	WORKPLACE PRACTICUM	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1427	MS OUTLK/1NOT	MICROSOFT IT OUTLOOK AND ONENOTE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

1429	DSKTP PB	DESKTOP PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1431	DGTL IMG/MLT I	DIGITAL IMAGING/ MULTIMEDIA I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 7175, 7132
1432	DGTL IMG/MLT II	DIGITAL IMAGING/MULTIMEDIA II	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1455	WEBPGE PBLSH	WEB PAGE PUBLISHING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1413	BUS CMPTR II MS	BUS CMPTR APP II MS PPT & ACCESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**CAREER AND TECHNICAL EDUCATION:  
LAW AND PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER (LA)**

<b>Endorsement codes utilized in teaching the Law and Public Safety, Corrections and Security Cluster:</b>			
0400	Business Principles	2210	Physical Education
0419	Business Principles Including Business Mathematics	2215	Physical Education/Health/Safety
0500	Secretarial Studies or Occupation Commerce	2250	Wellness
0519	Secretarial Studies including Business Mathematics		
0560	Business Education Specialist	3000	Social Studies
0561	Marketing Education Specialist	7040	
0600	Business Education	7050	Medical Emergency Preparedness
0603	Business Education/Marketing	7060	Industrial Fire Management
0605	Business Education including Business Math	7710	Criminal Justice
2200	Health and Physical Education		

**LA1735 IWRC LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY  
APPROVED CONCENTRATION LAW AND PUBLIC SAFETY**

**LA1000 CIEL LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY  
RESTRICTED TO APPROVED JUVENILE CENTERS**

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

**EMERGENCY AND FIRE MANAGEMENT SERVICES PATHWAY**

**LA2200 EMERGENCY AND FIREFIGHTING MANAGEMENT SERVICES**

**Required Courses:**

0792	EMERG SRV 1	EMERGENCY SERVICES 1	7050
2202	FIRESCI TEC	FIRE SCIENCE TECHNOLOGY	7040, 7060
2203	FIRE FIGHT1	FIRE FIGHTING I	7040, 7060
2205	FIRE FIGHT2	FIRE FIGHTING II	7040, 7060

**Recommended Electives:**

1037	STRAT SEC/PROT	STRATEGIC SECURITY AND PROTECTION	7710
2207	TELECOM	TELECOMMUNICATOR	7040, 7060
2208	AUTO EXTRIC	AUTO EXTRICATION	7040, 7060
2209	DRVR/PUMP OPR	DRIVER/PUMP OPERATOR	7040, 7060
6709	FITNESS/COND	FITNESS/CONDITIONING ACTIVITIES	2200, 2210, 2215, 2250, 7626
7321	PSYCHOLOGY	PSYCHOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
LAW AND PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER (LA)  
(Continued)**

**EMERGENCY AND FIRE MANAGEMENT SERVICES PATHWAY (continued)**

**LA2300 INDUSTRIAL FIRE SAFETY**

**Required Courses:**

2203	FIRE FIGHT1	FIRE FIGHTING I	7040, 7060
2205	FIRE FIGHT2	FIRE FIGHTING II	7040, 7060
2250	IND INCID CMD	INDUSTRIAL INCIDENT COMMAND	7060
2251	IND HAZMAT	INDUSTRIAL HAZARDOUS MATERIAL	7060

**Recommended Electives:**

0792	EMERG SRV 1	EMERGENCY SERVICES 1	7050
1037	STRAT SEC/PROT	STRATEGIC SECURITY AND PROTECTION	7710
2207	TELECOM	TELECOMMUNICATOR	7040, 7060
2208	AUTO EXTRIC	AUTO EXTRICATION	7040, 7060
2209	DRVR/PUMP OPR	DRIVER/PUMP OPERATOR	7040, 7060
6709	FITNESS/COND	FITNESS/CONDITIONING ACTIVITIES	2200, 2210, 2215, 2250, 7626
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**LAW ENFORCEMENT SERVICES PATHWAY**

**LA1020 LAW AND PUBLIC SAFETY**

**Required Courses:**

1039	PR APP PUB SFTY	PRACTICAL APPLICATIONS OF PUBLIC SAFETY	7710
1225	FD PUB SFTY LDSP	FUNDAMENTALS OF PUBLIC SAFETY LEADERSHIP	7710
1226	ETHL ISS PUB SFTY	ETHICAL ISSUES IN PUBLIC SAFETY	7710

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

1031	SEM CTS/LGL SYS	SEMINAR IN COURTS AND LEGAL SYSTEM	7710
1034	SEM CORRECT	SEMINAR IN CORRECTIONS	7710
1035	SEM LAW ENFORC	SEMINAR IN LAW ENFORCEMENT	7710
1037	STRAT SEC/PROT	STRATEGIC SECURITY AND PROTECTION	7710
6044	FORENSIC SCI	FORENSIC SCIENCE	2500, 2600, 2700, 2705, 2710, 2800, 2900, 2910, 2915

**Recommended Electives:**

1060	ESSTL ADTN/PRVT	ESSENTIALS OF ADDICTION AND PREVENTION	1601, 1700, 1705, 1706, 7041, 7042, 7043, 7045, 7048, 7050, 7071, 7072, 7185, 7606, 7607, 7608, 7627, 7714
6709	FITNESS/COND	FITNESS/CONDITIONING ACTIVITIES	2200, 2210, 2215, 2250, 7626
7321	PSYCHOLOGY	PSYCHOLOGY	3000
7341	SOCIOLOGY	SOCIOLOGY	3000
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**LA1021 VIRTUAL CRIMINOLOGY**

**Required Courses:**

1090	INTRO CRIMNLGY	INTRODUCTION TO CRIMINOLOGY	*****
1091	FR SCI: SCT OF DD	FORENSIC SCIENCE: SECRETS OF THE DEAD	*****
1092	SOC PROBLEMS	SOCIAL PROBLEMS	*****
1093	CRRS CRIMNLGY	CAREERS IN CRIMINOLOGY	*****

**CAREER AND TECHNICAL EDUCATION:  
LAW AND PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER (LA)  
(Continued)**

**LEGAL SERVICES PATHWAY**

**LA1483 LEGAL OFFICE (ADULT)**

**Required Courses:**

1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1449	OFFICE MGMT	OFFICE MANAGEMENT	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1525	COMP LEG OFF SW	COMPUTERIZED LEGAL OFFICE SOFTWARE	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1526	LEGALTERM/TRAN	LEGAL TERMINOLOGY/TRANSCRIPTION	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

**Recommended Electives:**

1409	BUS COMMUN	BUSINESS COMMUNICATIONS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0800, 1000, 1001
1417	BUS LAW	BUSINESS LAW	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
1512	WRKPLC PRACT	WORKPLACE PRACTICUM0	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605

## CAREER AND TECHNICAL EDUCATION: MANUFACTURING CLUSTER (MA)

<b>Endorsement codes utilized in teaching the Manufacturing Cluster:</b>			
0400	Business Principles	1803	Foundations in Engineering
	Business Principles Including Business		
0419	Mathematics	1810	Drafting
0500	Secretarial Studies or Occupation Commerce	7001	Automotive Technology
	Secretarial Studies including Business		
0519	Mathematics	7011	Drafting
0560	Business Education Specialist	7021	Carpenter
0561	Marketing Education Specialist	7025	Building Maintenance
0600	Business Education	7027	Building Maintenance & Operations
0603	Business Education/Marketing	7028	General Building Construction
0605	Business Education including Business Math	7030	Electrical Technology
0608	Technology Education	7031	Industrial Electricity
1800	Industrial Arts	7035	General Electrical Occupations
1801	General Shop	7037	Industrial Electronics
1802	Technical Education	7092	Millwork and Cabinet Making

### **MA2190 IWRC MANUFACTURING**

APPROVED CONCENTRATION MILLWORK AND CABINETMAKING

### **MA2192 CIEL MANUFACTURING**

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
1595	CABLING TECH	CABLING TECHNOLOGY	7132, 7953
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### **MAINTENANCE, INSTALLATION AND REPAIR PATHWAY**

#### **MA1630 ROBOTICS**

##### **Required Courses:**

1866	ROBOTICS REC 1	ROBOTICS REC 1	0608, 1800, 1801, 1802, 1803, 1810, 7011, 7037, 7112, 7131, 7164, 7212, 7550
1867	ROBOTICS REC 2	ROBOTICS REC 2	0608, 1800, 1801, 1802, 1803, 1810, 7011, 7037, 7112, 7131, 7164, 7212, 7550
1868	ROBOTICS REC 3	ROBOTICS REC 3	0608, 1800, 1801, 1802, 1803, 1810, 7011, 7037, 7112, 7131, 7164, 7212, 7550
1869	ROBOTICS REC 4	ROBOTICS REC 4	0608, 1800, 1801, 1802, 1803, 1810, 7011, 7037, 7112, 7131, 7164, 7212, 7550

**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**MAINTENANCE, INSTALLATION AND REPAIR PATHWAY (continued)**

**MA1630 ROBOTICS (continued)**

**Recommended Electives:**

1713	CMPSYS PRG CPT	PROGRAMMING CONCEPTS	7121, 7212
1718	CAD INTRO	INTRODUCTION TO COMPUTER AIDED DRAFTING	1800, 1801, 1802, 1803, 1810, 7011, 7037, 7105, 7112, 7131, 7164, 7212, 7550
1728	CMPDRFT ADV	ADVANCED COMPUTER AIDED DRAFTING	1800, 1801, 1802, 1803, 1810, 7011, 7037, 7105, 7112, 7131, 7164, 7212, 7550
2436	FOUND ENGR	FOUNDATIONS IN ENGINEERING	0608, 1800, 1801, 1802, 1803
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**MA1730 MANUFACTURING TECHNOLOGY**

**Required Courses:**

1875	INDEQ-HYDRL	HYDRAULIC AND PNEUMATIC SYSTEMS	7070, 7076, 7069, 7181
2470	BLUEPRT SUCC	BLUEPRINT FOR SUCCESS	7181
2471	MFG PROCESSES	MANUFACTURING PROCESSES	7181
2472	MFG CAPSTONE	MANUFACTURING CAPSTONE	7181

**Recommended Electives:**

Utilize current instructor endorsement in selecting specific electives that will meet the needs and skill sets of your local manufacturing industry.

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**MAINTENANCE, INSTALLATION AND REPAIR PATHWAY (continued)**

**MA1780 ELECTRONICS TECHNICIAN**

**Required Courses:**

1666	DC CIR CON	DC CIRCUIT CONCEPTS	7030, 7031, 7033, 7035, 7037, 7038, 7131, 7134
1667	AC CIR CON	AC CIRCUIT CONCEPTS	7030, 7031, 7033, 7035, 7037, 7038, 7131, 7134
1668	ANALOG CIR SYS	ANALOG CIRCUITS AND SYSTEMS	7030, 7031, 7033, 7035, 7037, 7038, 7131, 7134
1669	DIGT COMP CON	DIGITAL AND COMPUTER CONCEPTS	7030, 7031, 7033, 7035, 7037, 7038, 7131, 7134

**Recommended Electives:**

1692	COMP HARDWARE	COMPUTER HARDWARE	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7123, 7131, 7212
1705	CMPSYS FUND	FUNDAMENTALS OF COMPUTER SYSTEMS	0608, 1800, 1801, 1802, 4700, 7030, 7031, 7033, 7035, 7037, 7038, 7121, 7131, 7212
1763	ELEC-FUND	FUNDAMENTALS OF ELECTRICITY	7025, 7027, 7030, 7031, 7035, 7070, 7131
1783	ELTRON – AC	BASIC AC CIRCUITS	7033, 7037, 7038, 7131, 7134
1787	ELTRON – DC	DC CIRCUITS AND ELECTRON PHYSICS	7033, 7037, 7038, 7131, 7134
1795	ELTRON – WIRING	WIRING AND SOLDERING	7033, 7037, 7038, 7131, 7134
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**MA1810 HYDRAULIC AND PNEUMATIC TROUBLE SHOOTING**

**Required Courses:**

1875	INDEQ-HYDRL	HYDRAULIC AND PNEUMATIC SYSTEMS	7070, 7076, 7069
1876	HYD-PNMM	HYDRAULIC AND PNEUMATIC MAINTENANCE	7069
1877	HYD-PNRP	HYDRAULIC AND PNEUMATIC REPAIR	7069
1878	HYD-PNTR	HYDRAULIC AND PNEUMATIC TROUBLESHOOTING	7069

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--



**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**MAINTENANCE, INSTALLATION AND REPAIR PATHWAY (continued)**

**MA1870 INDUSTRIAL EQUIPMENT MAINTENANCE**

**Required Courses:**

1871	INDEQ-ELEC	ELECTRICAL MAINTENANCE	7070, 7076, 7030, 7031, 7035
1873	INDEQ-INDUST	FUND OF INDUSTRIAL EQUIPMENT MAINTENANCE	7070, 7076
1875	INDEQ-HYDRL	HYDRAULIC AND PNEUMATIC SYSTEMS	7070, 7076, 7069
1985	WELD-FUND	FUNDAMENTALS OF WELDING TECHNOLOGY	7052, 7070, 7076

**Recommended Electives:**

1601	AC BASIC	BASIC CONTROL CIRCUITS	7083
1605	AC-FUND REFG	FUNDAMENTALS OF AIR CONDITIONING REGRIGERATION	7025, 7027, 7083
1607	AC-HEAT SYS	HEATING SYSTEMS	7083
1765	ELEC-I&C WIR	INDUSTRIAL & COMMERCIAL WIRING	7030, 7031, 7035, 7070
1771	ELEC-ROTAT/CTRL	ROTATING DEVICES AND CONTROL CIRCUITRY	7030, 7031, 7035, 7070
1903	MCHTL-FUND	FUND OF MACHINE TOOL TECHNOLOGY	7051, 7076, 7070
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**MA1880 INDUSTRIAL TECHNOLOGY**

**Required Courses:**

1806	FUND INDTEC	FUNDAMENTALS OF INDUSTRIAL TECHNOLOGY	7070, 7076
1807	INDST ELEC	INDUSTRIAL ELECTRICITY	7070, 7076, 7030, 7031, 7035
1808	ELEC INSTRM	ELECTRONIC INSTRUMENTATION	7070, 7076, 7030, 7031, 7035, 7037
1809	INDST PNEUM	INDUSTRIAL PNEUMATICS	7070, 7076

**Recommended Electives:**

1601	AC BASIC	BASIC CONTROL CIRCUITS	7083
1605	AC-FUND REFG	FUNDAMENTALS OF AIR CONDITIONING REGRIGERATION	7025, 7027, 7083
1607	AC-HEAT SYS	HEATING SYSTEMS	7083
1765	ELEC-I&C WIR	INDUSTRIAL & COMMERCIAL WIRING	7030, 7031, 7035, 7070
1771	ELEC-ROTAT/CTRL	ROTATING DEVICES AND CONTROL CIRCUITRY	7030, 7031, 7035, 7070
1903	MCHTL-FUND	FUND OF MACHINE TOOL TECHNOLOGY	7051, 7076, 7070
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**MAINTENANCE, INSTALLATION AND REPAIR PATHWAY (continued)**

**MA1895 INDUSTRIAL ELECTRICAL CONTROL SYSTEMS**

**Required Courses:**

1763	ELEC-FUND	FUNDAMENTALS OF ELECTRICITY	7025, 7027, 7030, 7031, 7035, 7070, 7131, 7134
1807	INDST ELEC	INDUSTRIAL ELECTRICITY	7070, 7076, 7030, 7031, 7035, 7131
1771	ELEC-ROTAT/CTRL	ROTATING DEVICES AND CONTROL CIRCUITRY	7030, 7031, 7035, 7070, 7134
1765	ELEC-I&C WIR	INDUSTRIAL & COMMERCIAL WIRING	7030, 7031, 7035, 7070, 7134

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**MA2030 COMPUTER INTEGRATED MANUFACTURING**

**Required Courses:**

2031	CIM I ENG DRAFT	CIM I ENGINEERING DRAFTING	7164
2032	CIM II CAD	CIM II COMPUTER-AIDED DRAFTING	7164
2033	CIM III MAN PROC	CIM III MANUFACTURING PROCESSES	7164
2034	CIM IV CNC/ROBOT	CIM IV CNC/ROBOTICS	7164

**Recommended Electives:**

2035	CIM V FUND WELD	CIM V FUNDAMENTALS OF WELDING	7164
2036	CIM VI ENG DES	CIM VI ENGINEERING DESIGN AND DEVELOPMENT	7164
2037	CIM VII ADV CAD	CIM VII ADVANCED CAD	7164
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**MAINTENANCE, INSTALLATION AND REPAIR PATHWAY (continued)**

**MA2110 METALS TECHNOLOGY**

**Required Courses:**

1903	METAL TECH	FUNDAMENTALS OF MACHINE TOOL TECHNOLOGY	7051, 7070, 7076
1907	METAL TECH MTO	MACHINE TOOL OPERATIONS	7051
1985	WELD-FUND	FUNDAMENTALS OF WELDING TECHNOLOGY	7052, 7055, 7070, 7076
1993	WELD-SHLD	SHIELDED METAL ARC WELDING	7052, 7055

**Recommended Electives:**

1905	MCHTL-MACH	FUNDAMENTALS OF MACHINE PROCESS	7051
1909	MCHTL-METAL	METAL TRADES PROCESSES AND APPLICATIONS	7051, 7052, 7055
1987	WELD-GAS MTL	GAS METAL ARC WELDING	7052
1989	WELD-GAS TNG	GAS TUNGSTEN ARC WELDING	7052
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**MA2235 ADVANCED MANUFACTURING (ADVANCED CAREERS)**

**Required Courses:**

1575	AC ADV MAN I	AC ADVANCED MANUFACTURING I	7469
1576	AC ADV MAN II	AC ADVANCED MANUFACTURING II	7470
1577	AC ADV MAN III	AC ADVANCED MANUFACTURING III	7471
1578	AC ADV MAN IV	AC ADVANCED MANUFACTURING IV	7472

**MA2060 ELECTROMECHANICAL TECHNOLOGY (ADULT)**

**Required Courses:**

1763	ELEC-FUND	FUNDAMENTALS OF ELECTRICITY	7025, 7027, 7030, 7031, 7035, 7070, 7131
1765	ELEC-I&C WIR	INDUSTRIAL & COMMERCIAL WIRING	7030, 7031, 7035, 7070
1767	ELEC-NTLCODE	NATIONAL ELECTRICAL CODE	7027, 7028, 7030, 7031, 7035
1769	ELEC-RES WIR	RESIDENTIAL WIRING	7025, 7027, 7028, 7030, 7031, 7035
1871	INDEQ-ELEC	ELECTRICAL MAINTENANCE	7030, 7031, 7035, 7070, 7076
1873	INDEQ-INDUST	FUNDAMENTALS OF INDUSTRIAL EQPMT MAINTENANCE	7070, 7076
1875	INDEQ-HYDRL	HYDRAULICS & PNEUMATIC SYSTEMS	7070, 7076

**MA2165 CABLING TECHNOLOGY (ADULT)**

**Required Courses:**

1595	CABLING TECH	CABLING TECHNOLOGY	7132, 7953
------	--------------	--------------------	------------

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**PRODUCTION PATHWAY**

**MA1628 AUTOMOTIVE MACHINING**

**Required Courses:**

1910	MCHTL-FUND AUTO	FUNDAMENTALS OF AUTOMOTIVE MACHINING	7001
1622	AUTO-EMC	ENGINE MEASURING CONCEPTS	7001
1624	AUTO-EDR	ENGINE DISASSEMBLY/REASSEMBLY	7001
1901	MCHTL-ENGIN	ENGINE MACHINING	7001, 7051

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**MA1900 MACHINE TOOL TECHNOLOGY**

**Required Courses:**

1903	MCHTL-FUND	FUND OF MACHINE TOOL TECHNOLOGY	7051, 7076, 7070
1905	MCHTL-MACH	FUNDAMENTALS OF MACHINE PROCESS	7051
1907	MCHTL-MTO	MACHINE TOOL OPERATIONS	7051
1909	MCHTL-METAL	METAL TRADES PROCESSES AND APPLICATIONS	7051, 7052, 7055

**Recommended Electives:**

1901	MCHTL-ENGINE	ENGINE MACHINING	7001, 7051
1902	MCHTL-TOOL TCH	MACHINE TOOL TECHNOLOGY	7051
1904	MCHTL-INTRG MP	INTEGRATED MACHINE PROCESSES	7051
1906	MCHTL-MPAP	MACHINING PROCESSES & APPLICATIONS	7051
1908	MCHTL-CNCM	CNC MACHINING	7051
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**MA1980 WELDING**

**Required Courses:**

1862	WELDING I	WELDING I	7052
1863	WELDING II	WELDING II	7052
1864	WELDING III	WELDING III	7052
1865	WELDING IV	WELDING IV	7052

**Recommended Electives:**

1982	WELD-ORNMENT	ORNAMENTAL METALWORK	7052, 7070
1983	WELD-BLPRT RD	BLUEPRINT READING AND METALLURGY	7052
1987	WELD-GAS MTL	GAS METAL ARC WELDING	7052
1989	WELD-GAS TNG	GAS TUNGSTEN ARC WELDING	7052
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
MANUFACTURING CLUSTER (MA)  
(Continued)**

**PRODUCTION PATHWAY**

**MA2120 MILLWORK AND CABINETMAKING**

**Required Courses:**

2126	MILL-CAB I	MILLWORK AND CABINETMAKING I	7092
2127	MILL-CAB II	MILLWORK AND CABINETMAKING II	7092
2128	MILL-CAB III	MILLWORK AND CABINETMAKING III	7092
2129	MILL-CAB IV	MILLWORK AND CABINETMAKING IV	7092

**Recommended Electives:**

1823	BLDCNS-FINISH	FINISHING CARPENTRY	7021, 7028
1827	BLDCNS-FUND	FUNDAMENTALS OF BUILDING CONSTRUCTION	7021, 7028
2122	MLWRK-INTRO	INTRODUCTION TO MILLWORK AND CABINETMAKING	7092
2123	MLWRK-MCHOPR	MACHINE OPERATIONS	7092
2124	MLWRK-CABCON	CABINET CONSTRUCTION	7092
2125	MLWRK-FINISH APP	FINISHING APPLICATIONS	7092
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

## CAREER AND TECHNICAL EDUCATION: MARKETING CLUSTER (MK)

**Endorsement codes utilized in teaching the Marketing Cluster:**

0560	Business Education Specialist
0561	Marketing Education Specialist
0600	Business Education
0603	Business Education/Marketing
0605	Business Education including Business Math
0700	Distributive Education
0710	Marketing Education

### MK1000 CIEL MARKETING

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### MARKETING MANAGEMENT PATHWAY

#### MK0420 MARKETING MANAGEMENT

**Required Courses:**

0422	MKT-PRIN	MARKETING PRINCIPLES	0560, 0561, 0603, 0700, 0710
0425	MKT APPS	MARKETING APPLICATIONS	0560, 0561, 0603, 0700, 0710
1439	BUS MKT ESSTL	BUSINESS AND MARKETING ESSENTIALS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

0407	FASHION MKT	FASHION MARKETING	0560, 0561, 0603, 0700, 0710
0434	SPRT REC MKT	SPORTS, ENTERTAINMENT & REC MARKETING	0560, 0561, 0603, 0700, 0710
0437	HOSP TOUR MKT	HOSPITALITY AND TOURISM MARKETING	0560, 0561, 0603, 0700, 0710
0441	REAL EST MKT	REAL ESTATE MARKETING	0560, 0561, 0603, 0700, 0710

**Recommended Electives:**

0401	ADVRTS	ADVERTISING	0560, 0561, 0603, 0700, 0710
0404	ECON BUS	ECONOMICS OF BUSINESS	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0410	GBL BUS MKT	GLOBAL BUSINESS AND MARKETING	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605, 0700, 0710
0428	MRK WRK EXP	MARKETING WORK EXPERIENCE/INTERNSHIP	0560, 0561, 0603, 0700, 0710
0431	PRO SELL	PROFESSIONAL SALES	0560, 0561, 0603, 0700, 0710
1401	ACCT PRIN I	ACCOUNTING PRINCIPLES I	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJ

## CAREER AND TECHNICAL EDUCATION: SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER (ST)

### Endorsement codes utilized in teaching the Science, Technology, Engineering and Mathematics Cluster:

0608	Technology Education	7461	AC Clean Energy I
1800	Industrial Arts	7462	AC Clean Energy II
1801	General Shop	7463	AC Clean Energy III
1802	Technical Education	7464	AC Clean Energy IV
1803	Foundation in Engineering	7465	AC Energy, Power, and Engineered Systems I
7030	Electrical Technology	7466	AC Energy, Power, and Engineered Systems II
7031	Industrial Electricity	7467	AC Energy, Power, and Engineered Systems III
7033	Radio & TV Repair	7468	AC Energy, Power, and Engineered Systems IV
7035	General Electrical Occupations	7469	AC Advanced Manufacturing I
7131	Electronics Technology	7470	AC Advanced Manufacturing II
7441	AC Aerospace Engineering I	7471	AC Advanced Manufacturing III
7442	AC Aerospace Engineering II	7472	AC Advanced Manufacturing IV
7443	AC Aerospace Engineering III	7550	Pre-Engineering
7444	AC Aerospace Engineering IV		
7445	AC Innovations in Science and Technology I		
7446	AC Innovations in Science and Technology II		
7447	AC Innovations in Science and Technology III		
7448	AC Innovations in Science and Technology IV		

### ST1000 CIEL SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### **ENGINEERING AND TECHNOLOGY PATHWAY**

#### ST1790 SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

#### **Required Courses:**

2421	COMM SYS	COMMUNICATIONS SYSTEMS	0608, 1800, 1801, 1802
2424	CONSTR SYS	CONSTRUCTION SYSTEMS	0608, 1800, 1801, 1802
2442	MFG SYS	MANUFACTURING SYSTEMS	0608, 1800, 1801, 1802
2448	TRANS SYS	TRANSPORTATION SYSTEMS	0608, 1800, 1801, 1802

#### **Recommended Electives:**

1727	CMPDRFT TCHQ	DRAFTING TECHNIQUES	0608, 1800, 1801, 1802, 1810, 7011, 7105
1729	CMPDRFT FUND	FUNDAMENTALS OF DRAFTING	0608, 1800, 1801, 1802, 1810, 7011, 7105
2436	FOUND ENGR	FOUNDATIONS IN ENGINEERING	0608, 1800, 1801, 1802, 1803
2445	MECH SRV SYS	MECHANICAL SERVICES SYSTEMS	0608, 1800, 1801, 1802, 7070, 7076, 7083
2451	FUND MIL/CAB	FUNDAMENTALS OF MILLWORK AND CABINETMAKING	0608, 1800, 1801, 1802, 7092
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER (ST)  
(Continued)**

**ENGINEERING AND TECHNOLOGY PATHWAY (continued)**

**ST2460 PRE-ENGINEERING - PROJECT LEAD THE WAY**

**Required Courses:**

2461	IED	INTRODUCTION TO ENGINEERING DESIGN (PLTW)	7550
2463	POE	PRINCIPLES OF ENGINEERING (PLTW)	7550

**SELECT TWO SPECIALIZATIONS COURSES** which meet local workforce needs

2462	DE	DIGITAL ELECTRONICS (PLTW)	7550
2464	EDD	ENGINEERING DESIGN AND DEVELOPMENT (PLTW)	7550
2465	CIM	COMPUTER INTEGRATED MANUFACTURING (PLTW)	7550
2466	CIV ENG	CIVIL ENGINEERING AND ARCHITECTURE (PLTW)	7550
2467	BIOTECH	BIOTECHNICAL ENGINEERING (PLTW)	7550
2468	AEROSP	AEROSPACE ENGINEERING (PLTW)	7550

**Recommended Electives:**

2436	FOUND ENGR	FOUNDATIONS IN ENGINEERING	0608, 1800, 1801, 1802, 1803
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**ST2175 ENERGY, POWER AND ENGINEERED SYSTEMS (ADVANCED CAREERS)**

**Required Courses:**

2485	AC EGY PW EGR I	AC ENERGY, POWER, AND ENGINEERED SYSTEMS I	7465
2486	AC EGY PW EGR II	AC ENERGY, POWER, AND ENGINEERED SYSTEMS II	7466
2487	AC EGY PW EGR III	AC ENERGY, POWER, AND ENGINEERED SYSTEMS III	7467
2488	AC EGY PW EGR IV	AC ENERGY, POWER, AND ENGINEERED SYSTEMS IV	7468

**ST2200 AEROSPACE ENGINEERING (ADVANCED CAREERS)**

1540	AC AERO ENG I	AC AEROSPACE ENGINEERING I	7441
1541	AC AERO ENG II	AC AEROSPACE ENGINEERING II	7442
1542	AC AERO ENG III	AC AEROSPACE ENGINEERING III	7443
1543	AC AERO ENG IV	AC AEROSPACE ENGINEERING IV	7444

**ST2205 INNOVATIONS IN SCIENCE AND TECHNOLOGY (ADVANCED CAREERS)**

1545	AC IN SCI TECH I	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY I	7445
1546	AC IN SCI TECH II	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY II	7446
1547	AC IN SCI TECH III	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY III	7447
1548	AC IN SCI TECH IV	AC INNOVATIONS IN SCIENCE AND TECHNOLOGY IV	7448

**ST2225 CLEAN ENERGY (ADVANCED CAREERS)**

1565	AC CLEAN EN I	AC CLEAN ENERGY I	7461
1566	AC CLEAN EN II	AC CLEAN ENERGY II	7462
1567	AC CLEAN EN III	AC CLEAN ENERGY III	7463
1568	AC CLEAN EN IV	AC CLEAN ENERGY IV	7464



## CAREER AND TECHNICAL EDUCATION: TRANSPORTATION, DISTRIBUTION AND LOGISTICS CLUSTER (TR)

<b>Endorsement codes utilized in teaching the Transportation, Distribution and Logistics Cluster:</b>			
0400	Business Principles	7006	Power Equipment Technology
0419	Business Principles Including Business Mathematics	7007	Diesel Equipment Technology
0500	Secretarial Studies or Occupation Commerce	7010	Collision Repair
0519	Secretarial Studies including Business Mathematics	7074	Operation/Maintenance-Trucks
0560	Business Education Specialist		
0561	Marketing Education Specialist	7098	Materials Distribution
0600	Business Education	7453	AC Global Logistics and Supply Chain Management I
0603	Business Education/Marketing	7454	AC Global Logistics and Supply Chain Management II
0605	Business Education including Business Math	7455	AC Global Logistics and Supply Chain Management III
0608	Technology Education	7456	AC Global Logistics and Supply Chain Management IV
7001	Automotive Technology	7960	Commercial Driver's License
7002	Auto Body Repair		

### TR2190 IWRC ENGINEERING AND TECHNICAL

APPROVED CONCENTRATION AUTOMOTIVE TECHNOLOGY  
 APPROVED CONCENTRATION COLLISION REPAIR TECHNOLOGY  
 APPROVED CONCENTRATION MATERIALS DISTRIBUTION

### TR1000 CIEL TRANSPORTATION, DISTRIBUTION AND LOGISTICS

*RESTRICTED TO APPROVED JUVENILE CENTERS*

Select 1, 2 or 3 concentration related core courses found within the concentration.

Select 1, 2 or 3 course below to complete the concentration requirement of 4 courses.

0522	RDY WRK CERT 1	READY TO WORK CERTIFICATIONS 1	ANY TEACHER
0524	RDY WRK CERT 2	READY TO WORK CERTIFICATIONS 2	ANY TEACHER
0523	ENTREP PREP	ENTREPRENEURIAL PREPAREDNESS	ANY TEACHER
0520	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 1	ANY TEACHER
0521	WKBS INTEG/TRAN1	WORK-BASED INTEGRATION AND TRANSITION 2	ANY TEACHER

### **FACILITY AND MOBILE EQUIPMENT MAINTENANCE PATHWAY**

#### TR1620 AUTOMOTIVE TECHNOLOGY

##### **Required Courses:**

1631	AUTO-TECH MLR1	AUTOMOTIVE TECHNOLOGY MLR-1 (name chg. 2015-2016)	7001
1625	AUTO-TECH MLR3	AUTOMOTIVE TECHNOLOGY MLR-3 (name chg. 2015-2016)	7001
1637	AUTO-TECH MLR4	AUTOMOTIVE TECHNOLOGY MLR-4 (name chg. 2015-2016)	7001
1623	AUTO-TECH MLR2	AUTOMOTIVE TECHNOLOGY MLR-2 (name chg. 2015-2016)	7001

##### **Recommended Electives:**

1621	AUTO- ALT FUEL	ALTERNATIVE FUELS	7001
1627	AUTO-TECH AST4	AUTOMOTIVE TECHNOLOGY AST-1 (name chg. 2015-2016)	7001
1629	AUTO-TECH AST1	AUTOMOTIVE TECHNOLOGY AST-1 (name chg. 2015-2016)	7001
1633	AUTO-TECH AST2	AUTOMOTIVE TECHNOLOGY AST-1 (name chg. 2015-2016)	7001
1635	AUTO-TECH AST3	AUTOMOTIVE TECHNOLOGY AST-1 (name chg. 2015-2016)	7001
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
TRANSPORTATION, DISTRIBUTION AND LOGISTICS CLUSTER (TR)  
(Continued)**

**FACILITY AND MOBILE EQUIPMENT MAINTENANCE PATHWAY (continued)**

**TR1670 COLLISION REPAIR TECHNOLOGY**

**Required Courses:**

1671	COL-FUNDMTL	FUNDAMENTALS OF COLLISION REPAIR TECHNOLOGY	7002, 7010
1675	COL-NONSTRCT	NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR	7002, 7010
1677	COL-STRCT	STRUCTURAL ANALYSIS AND DAMAGE REPAIR	7002, 7010
1679	COL-SURFACE	SURFACE PREPARATION AND REFINISHING	7002, 7010

**Recommended Electives:**

1631	AUTO-TECH MLR1	AUTOMOTIVE TECHNOLOGY MLR-1 (name chg. 2015-2016)	7001
1672	COL-DTL INTR PT	DETAILING AND INTERIOR PARTS	7002
1673	COL-MECH	MECHANICAL AND ELECTRICAL COMPONENTS	7002, 7010
1674	COL-ADV REF	REFINISHING TECHNIQUES	7002, 7010
1676	COL-CST FIN PRO	CUSTOM FINISHING PROCESSES	7002, 7010
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**TR1740 DIESEL EQUIPMENT TECHNOLOGY**

**Required Courses:**

1744	DSLEQ-ELEC CON	ELECTRONIC ENGINE CONTROLS	7007
1741	DSLEQ-CMPNT	DIESEL ENGINE COMPONENTS	7007
1747	DSLEQ-SPPRT	DIESEL SUPPORT SYSTEMS	7007
1751	DSLEQ-FUND	FUND OF DIESEL EQUIPMENT TECHNOLOGY	7007

**Recommended Electives:**

1625	AUTO-BRAKES	BRAKES	7001
1631	AUTO-TECH MLR1	AUTOMOTIVE TECHNOLOGY MLR-1 (name chg. 2015-2016)	7001
1637	AUTO-TECH MLR4	AUTOMOTIVE TECHNOLOGY MLR-4 (name chg. 2015-2016)	7001
1742	DSLEQMT ELE SYS	DIESEL EQUIPMENT ELECTRICAL SYSTEMS	7007
1743	DSLEQMT TUP/TS	DIESEL ENGINE TUNE UP AND TROUBLE SHOOTING	7007
1745	DSLEQMT MAINT	DIESEL PREVENTIVE MAINTENANCE AND INSPECTION	7007
1749	DSLEQMT TRUCK	DIESEL TRUCK CHASSIS CONCEPTS	7007
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**TR1960 POWER EQUIPMENT SYSTEMS**

**Required Courses:**

1962	EQ FUND I	FUNDAMENTALS OF POWER EQUIPMENT I	7006
1964	EQ FUND II	FUNDAMENTALS OF POWER EQUIPMENT II	7006
1966	EQ SERV I	POWER EQUIPMENT SERVICE I	7006
1968	EQ SERV II	POWER EQUIPMENT SERVICE II	7006

**Recommended Electives:**

1970	EQMT SYS APPS	POWER EQUIPMENT SYSTEMS APPLICATIONS	7006
1972	REC APPS	RECREATIONAL APPLICATIONS	7006
1973	EQMT COMDIES	COMPACT DIESELS	7006
1974	EQMT GENERATOR	GENERATORS	7006
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

**CAREER AND TECHNICAL EDUCATION:  
TRANSPORTATION, DISTRIBUTION AND LOGISTICS CLUSTER (TR)  
(Continued)**

**TRANSPORTATION OPERATIONS PATHWAY (continued)**

**TR2170 TRUCK DRIVING (ADULT)**

**Required Courses:**

2171	TRK DR TRNG	TRUCK DRIVER TRAINING	7074, 7960
------	-------------	-----------------------	------------

**TRANSPORTATION SYSTEMS/INFRASTRUCTURE PLANNING, MANAGEMENT AND REGULATION PATHWAY**

**TR1625 TRANSPORTATION TECHNOLOGY**

**Required Courses:**

1411	BUS CMPTR I MS	BUS CMPTR APP I MS WORD & EXCEL	0400, 0419, 0500, 0519, 0560, 0561, 0600, 0603, 0605
2411	TRANS SYS/TECH	TRANSPORTATION SYSTEMS AND TECHNOLOGY	ANY CERTIFIED TEACHER
2412	TRANS GEO/ECO	TRANSPORTATION GEOGRAPHY AND ECONOMICS	ANY CERTIFIED TEACHER

**SELECT AT LEAST ONE SPECIALIZATION TO COMPLETE**

2413	INTRO TRNS MGMT	INTRODUCTION TO TRANSPORTATION MANAGEMENT	7112, 7960
2414	INTRO AVIATION	INTRODUCTION TO AVIATION	7112, 7960
2415	INTEL TRANSP SYS	INTELLIGENT TRANSPORTATION SYSTEMS	7112, 7960
2416	INTRO MARIT TRAN	INTRODUCTION TO MARITIME TRANSPORTATION	7112, 7960
2417	INTRO RR TRANSP	INTRODUCTION TO RAILWAY TRANSPORTATION	7112, 7960

**Recommended Electives:**

0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA
------	----------------	-------------------------------------	--

**TR2215 GLOBAL LOGISTICS AND SUPPLY CHAIN MANAGEMENT (ADVANCED CAREERS)**

1555	AC GLOBAL LOG I	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT I	7453
1556	AC GLOBAL LOG II	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT II	7454
1557	AC GLOBAL LOG III	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT III	7455
1558	AC GLOBAL LOG IV	AC GLOBAL LOGISTICS & SUPPLY CHAIN MANAGEMENT IV	7456

**WAREHOUSING AND DISTRIBUTION CENTER OPERATIONS PATHWAY**

**TR1920 MATERIALS DISTRIBUTION**

**Required Courses:**

1921	MATDST-FUND	FUNDAMENTALS OF MATERIALS DISTRIBUTION	7098
1923	MATDST-EQUIP	MATERIALS DISTRIBUTION EQUIPMENT	7098
1925	MATDST-MGMT	MATERIALS MANAGEMENT	7098
1927	MATDST-SPVSR	SUPERVISORY SKILLS IN WAREHOUSING	7098

**Recommended Electives:**

2436	FOUND ENGR	FOUNDATIONS IN ENGINEERING	0608, 1800, 1801, 1802, 1803
2442	MFG SYSTEMS	MANUFACTURING SYSTEMS	0608, 1800, 1801, 1802
0520	WKBD INTE/TRAN	WORK-BASED INTEGRATION & TRANSITION	ANY CERTIFIED TEACHER RELEVANT TO SUBJECT AREA

## PERSONNEL

Endorsement codes utilized in this section:

0002	Principal Junior/Senior High	3200	Teacher Counselor
0003	Principal Elementary/Junior High	3302	School Nurse
0004	Principal Elementary/Secondary	3400	School Librarian
0005	Counselor	3440	School Library Media
0007	Attendance Director	3600	Elementary Education
0012	Elementary/Middle/Junior High Principal	3605	Multi-Subjects
0013	Middle/Junior/Senior High Principal	4000	School Social Work & Attendance
0015	Principal	4105	Specific Learning Disabilities
0070	Vocational Administrator	4111	Behavioral disorders including Autism
0800	Language Arts	4112	Behavioral Disorders excluding Autism
1000	English	4113	Mentally Impaired – Mild – Moderate
1001	English/Language Arts	4115	Multi-Categorical (LD, BD, MI)
1900	Mathematics	4300	Reading Specialist
1905	Mathematics through Algebra I	4301	Reading Endorsement
4500	Gifted	5005	Social Service & Attendance
7900	Adult Basic Education	0609	Technology Integration Specialist

8001	ABE TEACHER	ADULT BASIC EDUCATION	7900 OR VALID PROFESSIONAL CERTIFICATE
8003	ASST PRIN	ASSISTANT OR VICE PRINCIPAL	0002, 0003, 0004, 0012, 0013, 0015
8005	ATH DIRECTOR	ATHLETIC DIRECTOR	
8007	ATT DIRECTOR	ATTENDANCE DIRECTOR	0007, 4000, 5005
3049	TITLE I MATH	TITLE I MATH	1900, 1905, 3600, 3601, 3605
4809	TITLE I READ	TITLE I READING	4300, 4301, 4400, 4410, 4420

### COLLABORATIVE/CONSULTATIVE TEACHER OF:

8011	COLTCH-EL	ELEMENTARY REGULAR EDUCATION	
8013	COLTCH-GIFT	GIFTED	4500
8015	COLTCH-SEC	SECONDARY	
8017	COLTCH-SPED	SPECIAL EDUCATION	APPROPRIATE SPECIAL EDUCATION ENDORSEMENT FOR THE CATEGORY OF SPECIAL EDUCATION SERVICES BEING PROVIDED
8021	COMPTR SPEC	COMPUTER SPECIALIST/COORDINATOR	
8023	COUNSELOR	COUNSELOR	0005, 3200
8025	DEAN	DEAN	
8027	HOMEBOUND	HOMEBOUND TEACHER	
8029	JOB PLACEMNT	JOB PLACEMENT COORDINATOR	
8031	LIBRARIAN	LIBRARIAN	3400, 3440
8033	OCC THRPST	OCCUPATIONAL THERAPIST	
8035	PHYS THRPST	PHYSICAL THERAPIST	
8037	PRINCIPAL	PRINCIPAL	0002, 0003, 0004, 0012, 0013, 0015
8039	PSYCHOLOGIST	PSYCHOLOGIST	3800, 3801
8041	NURSE	SCHOOL NURSE	3302
8043	SPCH THRPST	SPEECH THERAPIST	2300, 2310, 2400
8044	SPCH ASST	SPEECH ASSISTANT	2300, 2310, 2311, 2400
8045	VOC DIRECTOR	VOCATIONAL DIRECTOR	0002, 0004, 0013, 0015, 0070
8047	WRK BS CRDNT	WORK-BASED COORDINATOR	
8060	INTERVENTNST	INTERVENTIONIST	4115, 4111, 4112, 4113, 4105, 4500, 3600, 3605, 4300, 4301, 0800, 1000, 1001, 1900, 1905
8061	TIS	TECHNOLOGY INTEGRATION SPECIALIST	0609
8062	SOCIAL WKR	SOCIAL WORKER	4000, 5005

## **SECTION 3**

### **CONTENT DESCRIPTIONS**

## **COMPUTER & INFORMATION SCIENCES**

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN COMPUTER TECHNOLOGY; COMPUTER PROGRAMMING; AND THE ELECTRONIC MANIPULATION, PROCESSING, AND TRANSMISSION OF DATA.*

### **BASIC COMPUTER**

BASIC COMPUTER COURSES INTRODUCE THE COMPUTER AND PERIPHERAL DEVICES, THE FUNCTIONS AND USES OF COMPUTERS, THE LANGUAGE OF THE COMPUTER INDUSTRY, POSSIBLE APPLICATIONS, AND OCCUPATIONS RELATED TO COMPUTER HARDWARE AND SOFTWARE. LEGAL AND ETHICAL ISSUES MAY BE EXPLORED, AS WELL AS THE EFFECT OF THE COMPUTER ON MODERN SOCIETY. PERFORMANCE OF SOME COMPUTER OPERATIONS MAY BE REQUIRED.

### **BASIC PROGRAMMING**

BASIC PROGRAMMING COURSES PROVIDE THE OPPORTUNITY TO GAIN EXPERTISE IN COMPUTER PROGRAMS USING THE BASIC LANGUAGE, AS WITH MORE GENERAL COMPUTER PROGRAMMING COURSES, THE EMPHASIS IS ON HOW TO STRUCTURE AND DOCUMENT COMPUTER PROGRAMS, AND HOW TO USE PROBLEM-SOLVING TECHNIQUES. AS STUDENTS ADVANCE, THEY LEARN TO CAPITALIZE ON THE FEATURES AND STRENGTHS OF THE BASIC LANGUAGE (LOOPS, SUBSCRIPTED VARIABLES, AND SEQUENTIAL AND RANDOM ACCESS DATA FILES) AND TO PLACE MORE EMPHASIS ON CLARITY AND EFFICIENCY.

### **COMPUTER GRAPHICS**

COMPUTER GRAPHICS COURSES PROVIDE STUDENTS WITH THE OPPORTUNITY TO EXPLORE THE CAPABILITY OF THE COMPUTER TO PRODUCE VISUAL IMAGERY AND TO APPLY GRAPHIC TECHNIQUES TO VARIOUS FIELDS, SUCH AS ADVERTISING, TV/VIDEO, AND ARCHITECTURE. MODELING, SIMULATION, ANIMATION, AND IMAGE RETOUCHING ARE POSSIBLE COURSE TOPICS.

### **COMPUTER AND INFORMATION SCIENCES**

COURSES IN THIS CATEGORY OFFER INSTRUCTION IN RELATED TOPICS THAT ARE NECESSARY OR HELPFUL IN OCCUPATIONS INVOLVING COMPUTER AND COMPUTER-RELATED TECHNOLOGIES; SUCH TOPICS MAY INCLUDE MATHEMATICS, SCIENCE, AND/OR TECHNICAL READING.

### **COMPUTER SCIENCE/PROGRAMMING**

COMPUTER SCIENCE/PROGRAMMING COURSES PROVIDE THE BACKGROUND KNOWLEDGE AND SKILLS TO CONSTRUCT COMPUTER PROGRAMS IN ONE OR MORE LANGUAGES, SUCH AS COBOL, C++, JAVA, AND OTHER WEB PROGRAMMING LANGUAGES. INITIALLY, STUDENTS LEARN TO STRUCTURE, CREATE, DOCUMENT, AND DEBUG COMPUTER PROGRAMS. IN ADVANCED COURSES, MORE EMPHASIS IS PLACED ON DESIGN, STYLE, CLARITY, AND EFFICIENCY. COMPUTER SCIENCE/PROGRAMMING COURSES MAY PROVIDE OPPORTUNITIES TO APPLY THE LEARNED SKILLS TO RELEVANT APPLICATIONS SUCH AS MODELING, DATA MANAGEMENT, GRAPHICS, AND TEXT PROCESSING.

### **COMPUTER SYSTEMS**

COMPUTING SYSTEMS COURSES OFFER A BROAD EXPLORATION OF THE USE OF COMPUTERS IN A VARIETY OF FIELDS. COURSE CONTENT MAY HAVE A CONSIDERABLE RANGE, BUT TYPICALLY INCLUDES THE INTRODUCTION OF ROBOTICS AND CONTROL SYSTEMS, COMPUTER-ASSISTED DESIGN, COMPUTER-AIDED MANUFACTURING SYSTEMS, AND OTHER COMPUTER TECHNOLOGIES AS THEY RELATE TO INDUSTRY APPLICATIONS.

### **COMPUTER TECHNOLOGY**

COMPUTER TECHNOLOGY COURSES INTRODUCE STUDENTS TO THE FEATURES, FUNCTIONS, AND DESIGN OF COMPUTER HARDWARE, AND PROVIDE INSTRUCTION IN THE MAINTENANCE AND REPAIR OF COMPUTER COMPONENTS AND PERIPHERAL DEVICES.

### **GENERAL COMPUTER APPLICATIONS**

DESIGNED FOR STUDENTS WITH AN INTEREST IN EXPLORING THE USES OF THE PERSONAL COMPUTER, GENERAL COMPUTER APPLICATIONS COURSES PROVIDE EXPERIENCE IN THE PROPER USE OF PREVIOUSLY WRITTEN SOFTWARE PACKAGES. A WIDE RANGE OF APPLICATIONS ARE EXPLORED, INCLUDING (BUT NOT LIMITED TO) WORD PROCESSING, SPREADSHEET, GRAPHICS, AND DATABASE PROGRAMS. ELECTRONIC MAIL AND DESKTOP PUBLISHING MAY ALSO BE INCLUDED. EXERCISES AND PROBLEMS MAY BE FROM ANY FIELD, OR MAY BE DEFINED BY THE STUDENT(S).

### **NETWORK TECHNOLOGY**

NETWORK TECHNOLOGY COURSES INTRODUCE STUDENTS TO THE TECHNOLOGY INVOLVED IN THE TRANSMISSION OF DATA BETWEEN AND AMONG COMPUTERS THROUGH DATA LINES, TELEPHONE LINES, OR OTHER TRANSMISSION MEDIA (SUCH AS HARD WIRING, CABLE TELEVISION NETWORKS, RADIO WAVES, AND SO ON). THE COURSE MAY EMPHASIZE THE CAPABILITIES OF NETWORKS, NETWORK TECHNOLOGY ITSELF, OR BOTH.

CONTENT TOPICS EMPHASIZING NETWORK CAPABILITIES INCLUDE ELECTRONIC MAIL, PUBLIC NETWORKS AND ELECTRONIC BULLETIN BOARDS; TOPICS EMPHASIZING THE TECHNOLOGY INCLUDE NETWORK SOFTWARE, HARDWARE, AND PERIPHERALS INVOLVED IN SETTING UP AND MAINTAINING A COMPUTER NETWORK.

**OBJECT-ORIENTED LANGUAGES**

OBJECT-ORIENTED LANGUAGES COURSES INCLUDE THE STUDY OF OBJECT-ORIENTED LANGUAGES SUCH AS VISUAL BASIC, VISUAL FOX PRO, VISUAL DBASE, VISUAL C++, DELPHI, POWER BUILDER, ETC.

**OPERATING SYSTEMS**

OPERATING SYSTEMS COURSES INCLUDE THE STUDY OF BASIC DOS COMMANDS; WINDOWS 95, 98, ME, 2000, NT; LINUX; OR OTHER PLATFORMS.

**PASCAL PROGRAMMING**

PASCAL PROGRAMMING COURSES PROVIDE THE OPPORTUNITY TO GAIN EXPERTISE IN COMPUTER PROGRAMS USING THE PASCAL LANGUAGE, AS WITH MORE GENERAL COMPUTER PROGRAMMING COURSES, THE EMPHASIS IS ON HOW TO STRUCTURE AND DOCUMENT COMPUTER PROGRAMS, AND HOW TO USE PROBLEM-SOLVING TECHNIQUES. HOWEVER, AS STUDENTS ADVANCE, THEY LEARN TO CAPITALIZE ON THE FEATURES AND STRENGTHS OF PASCAL (TOP-DOWN DESIGN, PROCEDURES, AND LOOPS) AND TO PLACE GREATER EMPHASIS ON DESIGN AND EFFICIENCY.

## ENGLISH LANGUAGE ARTS

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN PRIMARILY THE USE OF THE ENGLISH LANGUAGE AS IT IS WRITTEN, READ, SPOKEN, AND UNDERSTOOD. COURSES INCLUDED HERE MAY COMBINE THESE GOALS, OR MAY DEAL WITH THEM SEPARATELY, AS INDIVIDUAL COURSES IN LITERATURE, COMPOSITION, SPEECH, ETC.*

### **ADVANCED COMMUNICATIONS**

ADVANCED COMMUNICATIONS COURSES FOCUS ON THE APPLICATION OF WRITTEN AND ORAL COMMUNICATION SKILLS THROUGH A VARIETY OF FORMAL AND INFORMAL EXPERIENCES. THE COURSE IS PERFORMANCE-BASED AND EMPHASIZES EFFECTIVE INTERPERSONAL AND TEAM BUILDING SKILLS. PRESENTATIONS INVOLVING TECHNOLOGY, RESEARCH, AND PROJECTS WILL BUILD PROBLEM-SOLVING STRATEGIES, CRITICAL THINKING, AND DECISION MAKING.

### **COMPOSITION (LOWER LEVEL)**

COMPOSITION (LOWER LEVEL) COURSES ARE DESIGNED FOR FRESHMEN AND/OR SOPHOMORES AND BUILD UPON PREVIOUS WRITING SKILLS. THESE COURSES SEEK TO DEVELOP THE WRITING PROCESSES AND PRACTICES NECESSARY FOR PRODUCING SUCCESSFUL HIGH SCHOOL COMPOSITIONS. STUDENTS TYPICALLY USE THE FIVE-STEP WRITING PROCESS TO CREATE NARRATIVE, PERSUASIVE, INFORMATIVE, AND DESCRIPTIVE MULTI-PARAGRAPH THEMATIC ESSAYS AND COMPOSITIONS. LITERATURE MAY BE STUDIED AS AN ACCOMPANIMENT, TO EXPOSE STUDENTS TO EXEMPLARY ILLUSTRATIONS OF VARIOUS FORMS OF WRITING.

### **COMPOSITION (UPPER LEVEL)**

COMPOSITION (UPPER LEVEL) COURSES ARE DESIGNED FOR JUNIORS AND/OR SENIORS AND BUILD UPON PREVIOUS WRITING SKILLS. STUDENTS TYPICALLY USE THE FIVE-STEP WRITING PROCESS TO CREATE NARRATIVE, PERSUASIVE, INFORMATIVE, AND DESCRIPTIVE MULTI-PARAGRAPH THEMATIC ESSAYS AND A VARIETY OF FUNCTIONAL WRITINGS. REINFORCING THE LOGIC AND CRITICAL THINKING SKILLS THAT ACCOMPANY GOOD WRITING, THESE COURSES PROVIDE CONTINUED AND ADVANCED INSTRUCTION IN WRITING FOR A VARIETY OF PURPOSES AND AUDIENCES. WORD CHOICE, USAGE, AND WRITING MECHANICS ARE EMPHASIZED. COMPOSITION (UPPER LEVEL) COURSES MAY EMPHASIZE COLLEGE OR BUSINESS PREPARATION; LITERATURE STUDY MAY BE AN ADDITIONAL COMPONENT IN ORDER TO ANALYZE EXAMPLES OF SEVERAL GENRES.

### **CREATIVE WRITING**

CREATIVE WRITING COURSES EMPHASIZE PROSE AND POETIC FORMS OF WRITING THAT EXPRESS THE WRITER'S THOUGHTS AND FEELINGS. METAPHORICAL LANGUAGE AND RELATIONAL THOUGHT ARE EVIDENT IN THE WRITING. WRITINGS ARE BASED MORE ON FICTION THAN FACTUAL AND LOGICAL PROGRESSION OF IDEAS.

### **ENGLISH 12 CR**

ENGLISH 12 COLLEGE OR CAREER READY IS A RIGOROUS COURSE DESIGNED TO INCREASE THE NUMBER OF STUDENTS WHO ARE COLLEGE AND/OR CAREER READY UPON GRADUATION FROM HIGH SCHOOL. STUDENT PLACEMENT IN THE COURSE MUST BE BASED UPON THE CRITERIA SET FORTH IN THE PLACEMENT GUIDANCE DOCUMENT PROVIDED TO COUNSELORS AND ADMINISTRATORS. THE COURSE IS INTENDED TO ASSIST THOSE STUDENTS WHO SCORE WITHIN A REASONABLE RANGE TO ADVANCE TO THE COLLEGE AND CAREER READINESS BENCHMARK ON ACT, ACT PLAN, OR ACT WORKKEYS, AS WELL AS STUDENTS WHOSE TEACHERS HAVE IDENTIFIED TARGETED AREAS FOR SKILL IMPROVEMENT AND KNOWLEDGE ACQUISITION THROUGH OBSERVED STUDENT CLASSROOM PERFORMANCE AND/OR PERFORMANCE ON OTHER STANDARDIZED ASSESSMENTS. THIS COURSE SERVES AS AN ENGLISH 12 CREDIT AND DEEMS STUDENTS ELIGIBLE FOR GRADUATION AND THE PROMISE SCHOLARSHIP. COURSE MODULES ARE LOCATED ON TEACH21. ENGLISH 12 CR IS NOT A REMEDIAL ENGLISH COURSE. UPON COMPLETION OF THE COURSE, STUDENTS WILL TAKE THE COMPASS ASSESSMENT TO DETERMINE IF THEY HAVE ATTAINED THE COLLEGE AND CAREER BENCHMARK SCORE.

### **ENGLISH AS A SECOND LANGUAGE**

ENGLISH AS A SECOND LANGUAGE (ESL) COURSES ARE DESIGNED FOR THE RAPID MASTERY OF THE ENGLISH LANGUAGE, AND ADDRESS READING, WRITING, SPEAKING, AND LISTENING PROFICIENCY SKILLS. THE ESL COURSE CONTENT MAY VARY, DEPENDING ON STUDENTS' LANGUAGE PROFICIENCY. BEGINNING LEVEL COURSES FOCUS PRIMARILY ON EXPLAINING BASIC ENGLISH LANGUAGE STRUCTURES, VOCABULARY AND GRAMMAR, USING ESL TEXTS. INTERMEDIATE AND ADVANCED ESL COURSES USE CONTENT FROM THE REGULAR CURRICULUM COUPLED WITH INSTRUCTION DESIGNED TO BUILD LANGUAGE DEVELOPMENT. AMERICAN CUSTOMS AND CULTURAL ISSUES, WHICH INFLUENCE LANGUAGE USAGE, MAY BE INCLUDED IN ESL CLASSES.

### **ENGLISH LANGUAGE AND LITERATURE - INDEPENDENT STUDY**

ENGLISH LANGUAGE AND LITERATURE - INDEPENDENT STUDY, OFTEN CONDUCTED WITH INSTRUCTORS AS MENTORS, ALLOW STUDENTS THE OPPORTUNITY TO EXPLORE PARTICULAR TOPICS WITHIN THE FIELD OF LANGUAGE ARTS THAT ARE NOT OFFERED AS PART OF THE REGULAR CURRICULUM. THESE COURSES MAY BE OFFERED WITH OTHER SUBJECT AREA COURSES OR AS AN OPPORTUNITY FOR STUDENTS TO EXPLORE A PARTICULAR TOPIC OF SPECIAL INTEREST.



## **FORENSICS**

FORENSIC COURSES OFFER STUDENTS THE OPPORTUNITY TO LEARN HOW TO EMPLOY ORAL SKILLS EFFECTIVELY IN FORMAL AND INFORMAL SITUATIONS. LOGIC AND REASONING, THE ORGANIZATION OF THOUGHT AND SUPPORTING MATERIALS, RESEARCH AND ANALYSIS, ARGUMENTATIVE STYLE AND SKILL, AND EFFECTIVE PRESENTATION OF ONE'S VOICE AND BODY ARE DEVELOPED THROUGH THESE COURSES. PARTICIPATION IN COMPETITION IS ENCOURAGED, BUT NOT ALWAYS REQUIRED.

## **LITERATURE**

LITERATURE COURSES OFFER THE OPPORTUNITY FOR STUDENTS TO STUDY AND REFLECT UPON THE THEMES PRESENTED IN THE BODY OF LITERATURE BEING PRESENTED. STUDENTS IMPROVE THEIR CRITICAL THINKING SKILLS AS THEY DETERMINE THE UNDERLYING ASSUMPTIONS AND VALUES WITHIN THE READING SELECTION, AND AS THEY UNDERSTAND HOW THE WORK REFLECTS SOCIETY'S PROBLEMS AND CULTURE. ORAL DISCUSSION IS AN INTEGRAL PART OF LITERATURE COURSES AND WRITTEN COMPOSITIONS ARE SOMETIMES REQUIRED, OFTEN WITH AN EMPHASIS TOWARD COLLEGE PREPARATION. LITERATURE COURSES MAY SURVEY REPRESENTATIVE WORKS, REFLECT A PARTICULAR GENRE OR A SPECIFIC THEME, OR SURVEY WORKS OF A PARTICULAR TIME OR PEOPLE.

### **LITERATURE (LOWER LEVEL)**

LITERATURE (LOWER LEVEL) COURSES ARE DESIGNED FOR FRESHMEN AND/OR SOPHOMORES AND TYPICALLY INTRODUCE TWO OR MORE GENRES OF LITERATURE (NOVEL, SHORT STORY, POETRY, ETC.), EXPLORATION OF EACH GENRE'S LITERARY ELEMENTS, DETERMINATION OF THEME AND INTENT, AND VOCABULARY AND SEMANTICS ARE OFTEN INCLUDED AS PART OF THE COURSE CONTENT. WRITING ASSIGNMENTS MAY BE REQUIRED AS AN ADDITIONAL METHOD TO IMPROVE UNDERSTANDING AND COMPREHENSION.

### **LITERATURE (UPPER LEVEL)**

LITERATURE (UPPER LEVEL) COURSES ARE DESIGNED FOR JUNIORS AND/OR SENIORS AND EMPHASIZE COMPREHENSION, DISCERNMENT, AND CRITICAL THINKING SKILLS IN THE READING OF TEXTS AND LITERATURE. MORE ADVANCED LITERARY TECHNIQUES (IRONY, SATIRE, HUMOR, CONNOTATION, TONE, RHYTHM, SYMBOLISM, ETC.), ARE EXPLORED THROUGH TWO OR MORE LITERARY GENRES, WITH THE AIM OF CREATING SOPHISTICATED READERS. WRITING ASSIGNMENTS MAY BE REQUIRED AS AN ADDITIONAL METHOD TO DEVELOP AND IMPROVE CRITICAL THINKING AND ANALYTIC SKILLS.

## **MASS COMMUNICATION**

COMMUNICATION COURSES ENABLE STUDENTS TO UNDERSTAND AND CRITICALLY EVALUATE THE ROLE OF MEDIA IN SOCIETY, COURSE CONTENT TYPICALLY INCLUDES INVESTIGATION OF VISUAL IMAGES, PRINTED MATERIAL, AND AUDIO SEGMENTS AS TOOLS OF INFORMATION, ENTERTAINMENT, AND PROPAGANDA; IMPROVEMENT OF PRESENTATION AND EVALUATIVE SKILLS IN RELATION TO MASS MEDIA; RECOGNITION OF VARIOUS TECHNIQUES FOR DELIVERY OF A PARTICULAR MESSAGE; AND, IN SOME CASES, CREATION OF A MEDIA PRODUCT. THE COURSE MAY CONCENTRATE ON A PARTICULAR MEDIUM.

PRODUCTION COURSES PROVIDE THE TECHNICAL KNOWLEDGE AND SKILLS NECESSARY FOR TELEVISION, VIDEO, FILM, AND/OR RADIO PRODUCTION. WRITING SCRIPTS, CAMERA OPERATION, USE OF GRAPHICS AND OTHER VISUALS, LIGHTING, AUDIO TECHNIQUES, EDITING, PRODUCTION PRINCIPLES, AND CAREER OPPORTUNITIES ARE TYPICAL TOPICS COVERED IN THESE COURSES. STUDENTS ARE USUALLY REQUIRED TO PRODUCE THEIR OWN PROGRAM OR SEGMENT. ADDITIONAL TOPICS SUCH AS BROADCAST INDUSTRY REGULATIONS, RADIO/TV OPERATION, POWER OF THE MEDIUM, PHOTOGRAPHY, TRANSMISSION TECHNOLOGY, AND SO ON MAY BE INCLUDED.

## **PUBLIC SPEAKING**

PUBLIC SPEAKING COURSES ENABLE STUDENTS, THROUGH PRACTICE, TO DEVELOP COMMUNICATION SKILLS FOR A VARIETY OF SPEAKING SITUATIONS (SUCH AS SMALL AND LARGE GROUP DISCUSSIONS, DELIVERY OF LECTURES OR SPEECHES IN FRONT OF AUDIENCES, ETC.). COURSE TOPICS MAY INCLUDE (BUT ARE NOT LIMITED TO) RESEARCH AND ORGANIZATION, WRITING FOR VERBAL DELIVERY, STYLISTIC CHOICES, VISUAL AND PRESENTATION SKILLS, ANALYSIS AND CRITIQUE, AND DEVELOPMENT OF SELF-CONFIDENCE.

## **TECHNICAL WRITING**

TECHNICAL WRITING CLASSES PREPARE STUDENTS TO WRITE RESEARCH PAPERS AND/OR TECHNICAL REPORTS. RESEARCHING (PRIMARY AND SECONDARY SOURCES), ORGANIZING (MATERIAL, THOUGHTS, AND ARGUMENTS), AND WRITING IN A PERSUASIVE OR TECHNICAL STYLE ARE EMPHASIZED TOPICS.

## **FINE AND PERFORMING ARTS EDUCATION - ART**

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN THE DEVELOPMENT OF ARTISTIC SKILL AND APPRECIATION IN DANCE, DRAMA, MUSIC, AND VISUAL ART.*

### **ART PORTFOLIO**

INTENDED FOR STUDENTS WHO ARE GIFTED IN ART, ART PORTFOLIO COURSES OFFER THE OPPORTUNITY TO CREATE A PROFESSIONAL BODY OF WORK THAT REFLECTS PERSONAL STYLE AND TALENT. STUDENTS ARE OFTEN ENCOURAGED TO DISPLAY THEIR WORK PUBLICLY.

### **CERAMICS/POTTERY**

CERAMICS/POTTERY COURSES COVER THE SAME TOPICS AS CREATIVE ART-COMPREHENSIVE COURSES, BUT FOCUS ON CREATING THREE-DIMENSIONAL WORKS OUT OF CLAY AND CERAMIC MATERIAL. PARTICULAR ATTENTION IS PAID TO THE CHARACTERISTICS OF THE RAW MATERIALS, THE TRANSFORMATION UNDER HEAT, AND THE VARIOUS METHODS BY WHICH OBJECTS ARE CREATED AND FINISHED.

### **COMPUTER-ASSISTED ART**

COMPUTER-ASSISTED ART COURSES ENABLE STUDENTS TO DISCOVER AND EXPLORE HOW THE COMPUTER CAN BE USED TO CREATE OR TO ASSIST IN THE PRODUCTION OF VARIOUS FORMS OF ARTWORK. PREVIOUS COURSES IN THE INTENDED ART FORM ARE USUALLY NOT REQUIRED FOR ENROLLMENT. COMPUTER-ASSISTED ART COURSES PROVIDE THE OPPORTUNITY TO BECOME MORE ADEPT IN BOTH THE ART FORM AND IN THE USE OF THE COMPUTER.

### **CRAFTS**

CRAFTS COURSES TEACH THE SAME LESSONS AS CREATIVE ART-COMPREHENSIVE COURSES, BUT DO SO WITH A FOCUS ON CRAFT. A WIDE RANGE OF CRAFTS MAY BE SURVEYED, OR THE COURSE MAY FOCUS ON ONLY ONE TYPE; POSSIBILITIES INCLUDE CALLIGRAPHY, QUILTING, SILK-SCREENING, CAKE DECORATING, TOLE-PAINTING, MASK-MAKING, KNITTING, CROCHETING, PAPER-MAKING, AND SO ON.

### **CREATIVE ART-COMPREHENSIVE**

CREATIVE ART-COMPREHENSIVE COURSES PROVIDE STUDENTS WITH THE KNOWLEDGE AND OPPORTUNITY TO EXPLORE AN ART FORM AND TO CREATE INDIVIDUAL WORKS OF ART. CAREER OPPORTUNITIES IN THE ART WORLD MAY ALSO BE DISCUSSED AND EXPLORED. INITIAL COURSES COVER THE LANGUAGE, MATERIALS, AND PROCESSES OF A PARTICULAR ART FORM AND THE DESIGN ELEMENTS AND PRINCIPLES SUPPORTING A WORK OF ART. AS STUDENTS ADVANCE AND BECOME MORE ADEPT, THE INSTRUCTION REGARDING THE CREATIVE PROCESS BECOMES MORE REFINED, AND STUDENTS ARE ENCOURAGED TO DEVELOP THEIR OWN ARTISTIC STYLES. ALTHOUGH THE FOCUS OF CREATIVE ART COURSES IS CREATION, THE STUDY OF MAJOR ARTISTS, ART MOVEMENTS, AND STYLES MAY ALSO BE INCLUDED.

### **CREATIVE ART-DRAWING/PAINTING**

CREATIVE ART-DRAWING/PAINTING COURSES COVER THE SAME TOPICS AS CREATIVE ART-COMPREHENSIVE COURSES, BUT FOCUS ON DRAWING AND PAINTING. IN KEEPING WITH THIS ATTENTION ON TWO-DIMENSIONAL WORK, STUDENTS TYPICALLY WORK WITH SEVERAL MEDIA (SUCH AS PEN AND INK, PENCIL, CHALK, WATERCOLOR, TEMPERA, OILS, AND ACRYLICS, AND SO ON) BUT SOME COURSES MAY FOCUS ON ONLY ONE.

### **CREATIVE ART-SCULPTURE**

CREATIVE ART-SCULPTURE COURSES COVER THE SAME TOPICS AS CREATIVE ART-COMPREHENSIVE COURSES, BUT FOCUS ON CREATING THREE-DIMENSIONAL WORKS. STUDENTS TYPICALLY WORK WITH SEVERAL MEDIA (SUCH AS CLAY, CERAMICS, WOOD, METALS, TEXTILES, AND SO ON) BUT SOME COURSES MAY FOCUS ON ONLY ONE.

### **PHOTOGRAPHY**

PHOTOGRAPHY COURSES EXPOSE STUDENTS TO THE MATERIALS, PROCESSES, AND ARTISTIC TECHNIQUES OF TAKING ARTISTIC PHOTOGRAPHS. STUDENTS LEARN ABOUT THE OPERATION OF A CAMERA, COMPOSITION, LIGHTING TECHNIQUES, DEPTH OF FIELD, FILTERS, CAMERA ANGLES, AND FILM DEVELOPMENT. THE COURSE MAY COVER BLACK AND WHITE, OR COLOR PHOTOGRAPHY, OR BOTH. AS STUDENTS ADVANCE, THE INSTRUCTION REGARDING THE CREATIVE PROCESS BECOMES MORE REFINED, AND STUDENTS ARE ENCOURAGED TO DEVELOP THEIR OWN ARTISTIC STYLE. IN ORDER TO DEVELOP EACH STUDENT'S STYLE AND ARTISTIC EYE, MAJOR PHOTOGRAPHERS, ART MOVEMENTS, AND STYLES MAY ALSO BE STUDIED.

### **PRINTMAKING/GRAPHICS**

PRINTMAKING/GRAPHICS COURSES COVER THE SAME TOPICS AS CREATIVE ART-COMPREHENSIVE COURSES, BUT FOCUS ON DESIGN PRINCIPLES, PRINTMAKING, AND GRAPHIC DESIGN.

### **TEXTILES**

TEXTILES COURSES TEACH THE SAME LESSONS AS CREATIVE ART-COMPREHENSIVE COURSES, BUT DO SO WITH

A FOCUS ON CRAFT. A WIDE RANGE OF CRAFTS MAY BE SURVEYED, OR THE COURSE MAY FOCUS ON ONLY ONE TYPE; POSSIBILITIES INCLUDE WEAVING, MACRAMÉ, QUILTING, BATIK, STITCHERY, AND SO ON.

**VISUAL ART-INDEPENDENT STUDY**

COURSES IN VISUAL ART-INDEPENDENT STUDY, OFTEN CONDUCTED WITH INSTRUCTORS OR PROFESSIONAL ARTISTS AS MENTORS, ENABLE STUDENTS TO EXPLORE A PARTICULAR ART FORM IN MORE DETAIL AND DEPTH THAN IN OTHER COURSES. POLISHING TALENT, BUILDING CONFIDENCE FOR PROFESSIONAL SHOWINGS OR PORTFOLIO SUBMISSION, AND GAINING EXPERIENCE IN PUBLIC PERFORMANCES OR DISPLAYS ARE EMPHASIZED. CAREER OPPORTUNITIES MAY BE EXPLORED.

## **FINE AND PERFORMING ARTS EDUCATION - DANCE**

### **DANCE APPRECIATION**

DANCE APPRECIATION COURSES EXPAND KNOWLEDGE OF DANCE AS AN ART FORM, AND DEVELOP STUDENTS' ABILITY TO EVALUATE DANCE PERFORMANCES. LEARNING THE HISTORY OF ONE OR SEVERAL DANCE FORMS MAY ALSO BE INCLUDED AS A COURSE OBJECTIVE.

### **DANCE-INDEPENDENT STUDY**

COURSES IN DANCE-INDEPENDENT STUDY, OFTEN CONDUCTED WITH INSTRUCTORS OR PROFESSIONAL DANCERS/CHOREOGRAPHERS AS MENTORS, ENABLE STUDENTS TO EXPLORE A PARTICULAR DANCE FORM IN MORE DETAIL AND DEPTH THAN IN OTHER COURSES. POLISHING TALENT, BUILDING CONFIDENCE FOR PROFESSIONAL OR APPRENTICESHIP AUDITIONS, AND GAINING EXPERIENCE IN PUBLIC PERFORMANCE ARE EMPHASIZED. CAREER OPPORTUNITIES MAY BE EXPLORED.

### **DANCE REPERTORY**

DANCE REPERTORY COURSES PROVIDE THE OPPORTUNITY FOR STUDENTS WITH PRIOR DANCE EXPERIENCE TO DEVELOP DANCE TECHNIQUES IN SMALL GROUPS; THESE CLASSES REQUIRE AUDITIONS AND EMPHASIZE PERFORMANCE.

### **DANCE TECHNIQUE**

DANCE TECHNIQUE COURSES PROVIDE EXPERIENCE IN ONE OR SEVERAL DANCE FORMS (E.G., MODERN, JAZZ, BALLET, TAP). INITIAL CLASSES ARE USUALLY INTRODUCTORY IN NATURE, WHILE THE MORE ADVANCED CLASSES CONCENTRATE ON IMPROVING TECHNIQUE AND MAY OFFER OR REQUIRE CHOREOGRAPHIC AND EVALUATIVE EXPERIENCES.

### **EXPRESSIVE MOVEMENT**

EXPRESSIVE MOVEMENT COURSES DEVELOP STUDENTS' ABILITY TO MOVE EXPRESSIVELY, WITHOUT BEING BASED ON PARTICULAR DANCE FORMS OR ON DEVELOPING SPECIFIC DANCE TECHNIQUES.

## **FINE AND PERFORMING ARTS EDUCATION - GENERAL FINE ARTS**

### **FINE AND PERFORMING ART-INDEPENDENT STUDY**

COURSES IN FINE AND PERFORMING ART-INDEPENDENT STUDY, OFTEN CONDUCTED WITH INSTRUCTORS OR PROFESSIONAL ARTISTS AS MENTORS, ENABLE STUDENTS TO EXPLORE A PARTICULAR ART FORM IN MORE DETAIL AND DEPTH THAN IN OTHER COURSES. POLISHING TALENT, BUILDING CONFIDENCE FOR PROFESSIONAL SHOWINGS OR PORTFOLIO SUBMISSION, AND GAINING EXPERIENCE IN PUBLIC PERFORMANCES OR DISPLAYS ARE EMPHASIZED. CAREER OPPORTUNITIES MAY BE EXPLORED.

### **FINE AND PERFORMING ART-RELATED SUBJECTS**

COURSES IN THIS CATEGORY OFFER INSTRUCTION IN TOPICS RELATED TO THE FINE AND PERFORMING ARTS; SUCH TOPICS MAY INCLUDE DESIGN PRINCIPLES, PSYCHOLOGY, MATHEMATICS, AND/OR SCIENCE.

### **INTEGRATED FINE ARTS**

THESE COURSES EXPLORE SELF-EXPRESSION ACROSS THE FINE ARTS: ANY SUBSET OR ALL OF THE VISUAL ARTS, MUSIC, DANCE, THEATRE, AND LITERATURE MAY BE INCLUDED IN THE CURRICULUM FOR THESE COURSES. STUDENTS BOTH STUDY AND CRITIQUE THE WORKS OF OTHERS AND PARTICIPATE IN OR PRODUCE ART THEMSELVES. THESE COURSES OFTEN INCLUDE COMPARATIVE STUDY OF VARIOUS ART FORMS OVER TIME, E.G., THE INTERRELATIONSHIP OF LITERATURE, MUSIC, AND THE PERFORMING ARTS OF A PARTICULAR TIME PERIOD AND CULTURE.

## FINE AND PERFORMING ARTS EDUCATION - MUSIC

### **BAND-CONCERT**

COURSES IN CONCERT BAND ARE DESIGNED TO PROMOTE STUDENTS' TECHNIQUE FOR PLAYING BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS, AND COVER A VARIETY OF BAND LITERATURE STYLES, PRIMARILY FOR CONCERT PERFORMANCES.

### **BAND-CONCERT/MARCHING**

COURSES IN CONCERT/MARCHING BAND ARE DESIGNED TO DEVELOP SKILL AND TECHNIQUE FOR PLAYING BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS, AND COVER BAND LITERATURE STYLES FOR BOTH CONCERT AND MARCHING PERFORMANCES.

### **BAND-CONTEMPORARY**

CONTEMPORARY BAND COURSES DEVELOP TECHNIQUE FOR PLAYING BRASS, WOODWIND, PERCUSSION, AND STRING INSTRUMENTS, AS WELL AS GUITAR AND KEYBOARD, FOCUSING PRIMARILY ON CONTEMPORARY STAGE BAND LITERATURE STYLES, SUCH AS TRADITIONAL JAZZ, JAZZ IMPROVISATION, AND ROCK.

### **BAND-GENERAL**

GENERAL BAND COURSES DEVELOP TECHNIQUE FOR PLAYING BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS, AND COVER A VARIETY OF NON-SPECIFIED BAND LITERATURE STYLES (CONCERT, MARCHING, ORCHESTRAL, AND MODERN STYLES).

### **BAND-MARCHING**

COURSES IN MARCHING BAND ARE INTENDED TO DEVELOP TECHNIQUE FOR PLAYING BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS, AND COVER APPROPRIATE BAND LITERATURE STYLES, PRIMARILY FOR MARCHING PERFORMANCES.

### **GUITAR**

GUITAR COURSES PRESENT FUNDAMENTALS OF MUSIC AND GUITAR PLAYING TECHNIQUES, SUCH AS STRUMMING AND CHORDS; THE COURSES MAY INCLUDE MORE ADVANCED GUITAR PLAYING TECHNIQUES.

### **INDIVIDUAL TECHNIQUE-INSTRUMENTAL MUSIC**

INDIVIDUAL TECHNIQUE-INSTRUMENTAL MUSIC COURSES PROVIDE INSTRUCTION IN INSTRUMENTAL TECHNIQUES TO INDIVIDUALS. THESE COURSES MAY BE CONDUCTED ON EITHER AN INDIVIDUAL OR SMALL GROUP BASIS.

### **INDIVIDUAL TECHNIQUE-VOCAL MUSIC**

INDIVIDUAL TECHNIQUE-VOCAL MUSIC COURSES PROVIDE INSTRUCTION IN AND DEVELOPMENT OF VOCAL TECHNIQUES OTHER THAN THE ABILITY TO SING IN GROUPS. THESE COURSES MAY BE CONDUCTED ON EITHER AN INDIVIDUAL OR SMALL GROUP BASIS.

### **INSTRUMENTAL ENSEMBLES**

THESE COURSES ARE INTENDED TO DEVELOP TECHNIQUE FOR PLAYING BRASS, WOODWIND, PERCUSSION (E.G., STEEL BAND), AND/OR STRING INSTRUMENTS IN SMALL ENSEMBLE GROUPS. INSTRUMENTAL ENSEMBLE COURSES COVER ONE OR MORE INSTRUMENTAL ENSEMBLE OR BAND LITERATURE STYLES.

### **MUSIC HISTORY/APPRECIATION**

MUSIC HISTORY/APPRECIATION COURSES SURVEY DIFFERENT MUSICAL STYLES AND PERIODS WITH THE INTENT OF INCREASING ENJOYMENT OF DIFFERENT MUSICAL STYLES AND/OR DEVELOPING AN ARTISTIC OR TECHNICAL JUDGEMENT. MUSIC HISTORY/APPRECIATION COURSES MAY ALSO FOCUS ON DEVELOPING AN UNDERSTANDING OF A PARTICULAR STYLE OR PERIOD.

### **MUSIC-INDEPENDENT STUDY**

COURSES IN MUSIC-INDEPENDENT STUDY, OFTEN CONDUCTED WITH INSTRUCTORS OR PROFESSIONAL MUSICIANS OR VOICE COACHES AS MENTORS, ENABLE STUDENTS TO EXPLORE MUSIC AND THEIR OWN ABILITIES IN MORE DETAIL AND DEPTH THAN IN OTHER COURSES. POLISHING TALENT, BUILDING CONFIDENCE FOR PROFESSIONAL OR APPRENTICESHIP AUDITIONS, AND GAINING EXPERIENCE IN PUBLIC PERFORMANCE ARE EMPHASIZED. CAREER OPPORTUNITIES MAY BE EXPLORED.

### **MUSIC THEORY**

COURSES IN MUSIC THEORY TEACH AN UNDERSTANDING OF THE FUNDAMENTALS OF MUSIC, AND INCLUDE ONE OR MORE OF THE FOLLOWING TOPICS: COMPOSITION, ARRANGEMENT, ANALYSIS, AURAL DEVELOPMENT, AND SIGHT READING; MUSIC THEORY COURSES MAY OR MAY NOT REQUIRE PREVIOUS MUSICAL EXPERIENCE.

### **ORCHESTRA**

ORCHESTRA COURSES DEVELOP STUDENTS' ABILITIES TO PLAY BRASS, WOODWIND, PERCUSSION, AND STRING INSTRUMENTS, COVERING A VARIETY OF STRING AND ORCHESTRAL LITERATURE STYLES.

**VOCAL ENSEMBLES**

VOCAL ENSEMBLE COURSES ARE INTENDED TO DEVELOP VOCAL TECHNIQUES AND THE ABILITY TO SING PARTS IN SMALL ENSEMBLE (E.G., SHOW CHOIR) OR MADRIGAL GROUPS. THE COURSE GOALS MAY INCLUDE THE DEVELOPMENT OF SOLO SINGING ABILITY; ONE OR SEVERAL ENSEMBLE LITERATURE STYLES MAY BE EMPHASIZED.

## **FINE AND PERFORMING ARTS EDUCATION - THEATRE**

### **DIRECTING**

USUALLY TAKEN AFTER SEVERAL OTHER DRAMA COURSES, DIRECTING COURSES ARE INTENDED TO IMPROVE STUDENTS' SKILLS IN TRANSLATING A SCRIPT TO A FINAL PRODUCTION. DIRECTING CLASSES ENABLE STUDENTS TO CREATE AN ARTISTIC VISION AND DEVELOP A PERSONAL AESTHETIC, BY EXPANDING THE STUDENTS' EXPOSURE TO DIFFERENT TYPES OF THEATRICAL TECHNIQUES AND TRADITIONS, AND PROVIDING OPPORTUNITIES TO DIRECT OTHERS' PERFORMANCES (EITHER IN SCENES OR IN A FULL PRODUCTION).

### **FILM/VIDEOTAPE**

FILM/VIDEOTAPE COURSES EXPOSE STUDENTS TO THE MATERIALS, PROCESSES, AND ARTISTIC TECHNIQUES INVOLVED IN FILM OR VIDEOTAPE. STUDENTS LEARN ABOUT THE OPERATION OF A CAMERA, LIGHTING TECHNIQUES, CAMERA ANGLES, DEPTH OF FIELD, COMPOSITION, STORYBOARDING, SOUND CAPTURE, AND EDITING TECHNIQUES. COURSE TOPICS MAY ALSO INCLUDE PRODUCTION VALUES AND VARIOUS STYLES OF FILMMAKING (DOCUMENTARY, STORYTELLING, NEWS MAGAZINES, ANIMATION, AND SO ON). AS STUDENTS ADVANCE, THE INSTRUCTION REGARDING THE CREATIVE PROCESS BECOMES MORE REFINED, AND STUDENTS ARE ENCOURAGED TO DEVELOP THEIR OWN ARTISTIC STYLE. IN ORDER TO DEVELOP EACH STUDENT'S STYLE AND ARTISTIC EYE, MAJOR FILMMAKERS, CINEMATOGRAPHERS, AND THEIR FILMS MAY ALSO BE STUDIED.

### **PLAYWRITING**

USUALLY TAKEN AFTER SEVERAL OTHER DRAMA COURSES, PLAYWRITING COURSES ARE INTENDED TO IMPROVE STUDENTS' SKILLS IN CREATING A SCRIPT SUITABLE FOR LIVE PRODUCTION. PLAYWRITING CLASSES ENABLE STUDENTS TO DEVELOP A PERSONAL VOICE, STYLE, AND AESTHETIC BY EXPANDING THEIR EXPOSURE TO VARIOUS PLAYWRIGHTS AND DIFFERENT TYPES OF THEATRICAL TECHNIQUES AND TRADITIONS, STUDENTS ARE EXPECTED TO WRITE ORIGINAL SCENES, ONE-ACT PLAYS, OR FULL PRODUCTIONS.

### **THEATRE-ACTING/PERFORMANCE**

DRAMA-ACTING/PERFORMANCE COURSES ARE INTENDED TO PROMOTE STUDENTS' EXPERIENCE AND SKILL DEVELOPMENT IN ONE OR MORE ASPECTS OF THEATRICAL PRODUCTION, BUT CONCENTRATE ON ACTING AND PERFORMANCE SKILLS. INITIAL COURSES ARE USUALLY INTRODUCTORY IN NATURE, WHILE THE MORE ADVANCED COURSES CONCENTRATE ON IMPROVING TECHNIQUE, EXPANDING THE STUDENTS' EXPOSURE TO DIFFERENT TYPES OF THEATRICAL TECHNIQUES AND TRADITIONS, AND INCREASING THEIR CHANCES OF PARTICIPATING IN PUBLIC PRODUCTIONS. CAREER OPPORTUNITIES IN THE THEATRE MAY BE DISCUSSED.

### **THEATRE-HISTORY AND LITERATURE**

HISTORY AND LITERATURE OF THE THEATRE COURSES EXPLORE IN DEPTH THE STRUCTURE, ELEMENTS, AND STYLE OF DRAMATIC COMPOSITIONS, AND, AS AN EXTENSION, HOW THE DRAMATIC LITERATURE INFLUENCED THEATRICAL PRODUCTION AND ACTING STYLES THROUGHOUT HISTORY. SOME COURSES MAY FOCUS MORE ON THE LITERATURE THAN ON THE THEATRE (WITH INCREASED EMPHASIS ON CRITIQUE AND ANALYSIS), BUT MOST INTERWEAVE THESE SUBJECTS, EXPLORING THEIR INTERRELATIONSHIP. MAJOR CONTRIBUTORS (PLAYWRIGHTS, DIRECTORS, AND SO ON) AND THE ARCHITECTURE OF THE THEATER MAY ALSO BE INCLUDED TOPICS OF STUDY.

### **THEATRE-INTRODUCTION**

INTRODUCTION TO THE THEATRE COURSES PROVIDE AN OVERVIEW OF THE ART, CONVENTIONS, AND HISTORY OF THE THEATRE. ALTHOUGH EXPERIENTIAL EXERCISES MAY BE INCLUDED, THE COURSES FOCUS ON LEARNING ABOUT THE THEATRE RATHER THAN PERFORMANCE. STUDENTS LEARN ABOUT ONE OR MORE OF THE FOLLOWING TOPICS: BASIC TECHNIQUES IN ACTING, MAJOR DEVELOPMENTS IN DRAMATIC LITERATURE OR MAJOR PLAYWRIGHTS, THE FORMATION OF THEATRE AS A CULTURAL TRADITION, AND CRITICAL APPRECIATION OF THE ART. OTHER ASPECTS OF THEATRICAL PRODUCTION SUCH AS TECHNICAL ASPECTS, COSTUME, MAKEUP, AND SO ON, MAY ALSO BE EXPLORED.

### **THEATRE-STAGECRAFT**

DRAMA-STAGECRAFT COURSES ARE INTENDED TO PROMOTE STUDENTS' EXPERIENCE AND SKILL DEVELOPMENT IN ONE OR MORE ASPECTS OF THEATRICAL PRODUCTION, BUT CONCENTRATE ON STAGECRAFT (SUCH AS LIGHTING, COSTUMING, SET CONSTRUCTION, MAKEUP, STAGE MANAGEMENT, AND SO ON). INITIAL COURSES ARE USUALLY INTRODUCTORY IN NATURE, WHILE THE MORE ADVANCED COURSES CONCENTRATE ON IMPROVING TECHNIQUE, EXPANDING THE STUDENTS' EXPOSURE TO DIFFERENT TYPES OF THEATRICAL TECHNIQUES AND TRADITIONS, AND INCREASING THEIR CHANCES OF PARTICIPATING IN PUBLIC PRODUCTIONS. CAREER OPPORTUNITIES IN THE THEATRE MAY BE DISCUSSED.

### **THEATRE/STAGECRAFT-COMPREHENSIVE**

DRAMA/STAGECRAFT COURSES ARE INTENDED TO PROMOTE STUDENTS' EXPERIENCE AND SKILL DEVELOPMENT IN ONE OR MORE ASPECTS OF THEATRICAL PRODUCTION. INITIAL COURSES ARE USUALLY INTRODUCTORY IN NATURE, WHILE THE MORE ADVANCED COURSES CONCENTRATE ON IMPROVING TECHNIQUE, EXPANDING THE STUDENTS' EXPOSURE TO DIFFERENT TYPES OF THEATRICAL TECHNIQUES AND TRADITIONS, AND INCREASING THEIR CHANCES OF PARTICIPATING IN PUBLIC PRODUCTIONS. CAREER OPPORTUNITIES IN THE THEATRE MAY BE



DISCUSSED.

**THEATRE/STAGECRAFT-INDEPENDENT STUDY**

COURSES IN DRAMA/STAGECRAFT-INDEPENDENT STUDY, OFTEN CONDUCTED WITH INSTRUCTORS OR ARTISTS AS MENTORS, ENABLE STUDENTS TO EXPLORE A PARTICULAR THEATRICAL FORM IN MORE DETAIL AND DEPTH THAN IN OTHER COURSES. POLISHING TALENT, BUILDING CONFIDENCE FOR PROFESSIONAL OR APPRENTICESHIP AUDITIONS, AND GAINING EXPERIENCE IN PUBLIC PERFORMANCE ARE EMPHASIZED. CAREER OPPORTUNITIES MAY BE EXPLORED.

## **HEALTH EDUCATION**

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN INDIVIDUAL HEALTH, PERSONAL SAFETY (INCLUDING FIRST AID SKILLS), AND COMMUNITY OR PUBLIC HEALTH.*

### **COMMUNITY HEALTH**

COMMUNITY HEALTH COURSES COVER NOT ONLY PERSONAL HEALTH TOPICS (NUTRITION, STRESS MANAGEMENT, ABUSE PREVENTION, DISEASE PREVENTION, FIRST AID, AND SO ON), BUT ALSO MORE GENERAL HEALTH ISSUES. THESE ADDITIONAL TOPICS MAY INCLUDE (AMONG OTHERS) AVAILABLE COMMUNITY RESOURCES, FUNDAMENTALS OF THE NATION'S HEALTH CARE SYSTEM, CONTEMPORARY WORLD HEALTH ISSUES, AND CAREER OPTIONS WITHIN THE HEALTH FIELD.

### **HEALTH EDUCATION**

TOPICS COVERED WITHIN HEALTH EDUCATION COURSES MAY VARY WIDELY, BUT TYPICALLY INCLUDE PERSONAL HEALTH (NUTRITION, MENTAL HEALTH AND STRESS MANAGEMENT, DRUG/ALCOHOL ABUSE PREVENTION, DISEASE PREVENTION, AND FIRST AID) AND CONSUMER HEALTH ISSUES. BRIEF STUDIES OF ENVIRONMENTAL HEALTH, PERSONAL DEVELOPMENT, AND/OR COMMUNITY RESOURCES MAY ALSO BE INCLUDED.

### **HEALTH AND FITNESS**

HEALTH AND FITNESS COURSES COMBINE THE TOPICS OF HEALTH EDUCATION COURSES (NUTRITION, STRESS MANAGEMENT, ABUSE PREVENTION, DISEASE PREVENTION, FIRST AID, AND SO ON) WITH AN ACTIVE FITNESS COMPONENT (TYPICALLY INCLUDING AEROBIC ACTIVITY AND FITNESS CIRCUITS) WITH THE INTENTION OF CONVEYING THE IMPORTANCE OF LIFE-LONG WELLNESS HABITS.

### **SAFETY AND FIRST AID**

SAFETY AND FIRST AID COURSES PROVIDE SPECIALIZED INSTRUCTION IN FIRST AID TECHNIQUES, CARDIOPULMONARY RESUSCITATION, RELIEF OF OBSTRUCTED AIRWAYS, AND GENERAL SAFETY PROCEDURES AND BEHAVIORS. COURSE TOPICS MAY INCLUDE AN OVERVIEW OF COMMUNITY AGENCIES AND HOTLINES PROVIDING EMERGENCY CARE AND INFORMATION.

## **HUMANITIES**

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT COMBINE THE SUBJECT MATTER OF TWO OR MORE SUBJECT AREAS.*

### **HUMANITIES**

HUMANITIES COURSES EXAMINE AND EVOKE RESPONSES TO MAN'S CREATIVE EFFORTS AND HIS WORLD IN PARTICULAR HISTORICAL PERIODS OF HISTORY AND IN PARTICULAR CULTURES. COURSE CONTENT INCLUDES EXPLORATION, ANALYSIS, SYNTHESIS AND RESPONSE IN A VARIETY OF WAYS TO CULTURAL TRADITIONS, INCLUDING VIEWING, LISTENING, SPEAKING, READING, WRITING, PERFORMING, AND CREATING. THE COURSES MAY ALSO EXAMINE THE INTERRELATIONSHIP OF PAINTING, SCULPTURE, ARCHITECTURE, AND MUSIC.

### **HUMANITIES SURVEY**

HUMANITIES SURVEY COURSES PROVIDE AN OVERVIEW OF MAJOR EXPRESSIONS OF THE CULTURAL HERITAGE OF SELECTED WESTERN AND EASTERN CIVILIZATIONS. THE CONTENT SHOULD INCLUDE BUT NOT BE LIMITED TO THE EXAMINATION OF SELECTED EXAMPLES OF ART, MUSIC, LITERATURE, ARCHITECTURE, TECHNOLOGY, PHILOSOPHY, AND RELIGION OF THE CULTURES STUDIED. THE LANGUAGES AND POLITICAL INSTITUTIONS OF THE CULTURES STUDIES MAY ALSO BE INCLUDED.

### **ISSUES OF WESTERN HUMANITIES**

ISSUES OF WESTERN HUMANITIES COURSES INTRODUCE STUDENTS TO THE STUDY OF MAN'S CULTURAL HERITAGE AND PROVIDE AN OPPORTUNITY TO EXPLORE FUNDAMENTAL HUMANITY. THE CONTENT TYPICALLY INCLUDES THE FOLLOWING: DEFINITIONS OF THE HUMANITIES IN RELATION TO HISTORY, LITERATURE, RELIGION, PHILOSOPHY, ART, MUSIC, AND ARCHITECTURE; STUDY OF THE CULTURES OF GREECE, ROME, AND ONE OR MORE SETTINGS IN CONTEMPORARY TIME PERIODS. AFTER SUCCESSFULLY COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO ANALYZE AND CLARIFY THEIR SENSE OF THEMSELVES; EXAMINE AND CLARIFY THEIR RESPONSIBILITIES IN RELATION TO THOSE OF OTHERS; EXAMINE PHILOSOPHIES CONCERNING MORAL RESPONSIBILITY FOR THE FUTURE; AND EXAMINE PHILOSOPHIES ABOUT HUMAN MORTALITY.

## MATHEMATICS

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN THE SCIENCE OF NUMBERS AND THEIR OPERATIONS, INTERRELATIONS, COMBINATIONS, GENERALIZATIONS, AND ABSTRACTIONS; SPACE CONFIGURATIONS AND THEIR STRUCTURE, MEASUREMENT, AND TRANSFORMATIONS; AND THE APPLICATION OF MATHEMATICAL THOUGHT TO RELATED ENDEAVORS.*

### **ASSISTED MATH**

ASSISTED MATH COURSES OFFER STUDENTS THE OPPORTUNITY TO FOCUS ON THEIR MATH SKILLS. ASSISTANCE IS TARGETED TO STUDENTS' PARTICULAR WEAKNESSES, AND IS DESIGNED TO BRING MATH SKILLS UP TO THE DESIRED LEVEL, OR TO DEVELOP STRATEGIES TO WORK MATH PROBLEMS MORE EFFICIENTLY IN ORDER TO PROGRESS AT A STEADY RATE THROUGH SCHOOL.

### **MATHEMATICS-INDEPENDENT STUDY**

MATHEMATICS-INDEPENDENT STUDY COURSES, OFTEN CONDUCTED WITH INSTRUCTORS AS MENTORS, ENABLE STUDENTS TO EXPLORE MATHEMATICS TOPICS OF INTEREST, THESE COURSES MAY BE OFFERED IN CONJUNCTION WITH OTHER RIGOROUS MATH COURSES, OR MAY SERVE AS AN OPPORTUNITY TO EXPLORE A TOPIC OF SPECIAL INTEREST. THEY MAY ALSO SERVE AS AN OPPORTUNITY TO STUDY FOR AP EXAMS IF THE SCHOOL DOES NOT OFFER SPECIFIC COURSES FOR THAT ENDEAVOR.

### **MATHEMATICS I LAB**

MATH I-9 LAB IS A COURSE DESIGNED TO ALLOW STUDENTS ADDITIONAL TIME AND SCAFFOLDING TO MASTER MATH I NEXT GENERATION MATH CONTENT AND STANDARDS. THIS COURSE MUST BE TAUGHT DURING THE SAME INSTRUCTIONAL YEAR AS THE MATH I-9 COURSE.

## MISCELLANEOUS - INSTRUCTIONAL AND NON-INSTRUCTIONAL CLASSES

THESE COURSES INCLUDE COURSES THAT ARE NOT DEFINED IN THE CONTENT AREAS. "MISCELLANEOUS INSTRUCTIONAL CLASSES" AND "NON-INSTRUCTIONAL CLASSES" MAY INCLUDE COURSES FOR WHICH THE LEA REQUESTED A COURSE CODE AND HAS PROVIDED BOARD-APPROVED CSOS.

### ALTERNATE PROCESS/WORKPLACE SKILLS

WORKPLACE PROCESS SKILLS ARE THOSE SKILLS STUDENTS NEED FOR SUCCESSFUL ENTRY INTO WORK OR POST-SECONDARY EDUCATION—THE ABILITY TO SOLVE PROBLEMS, COMMUNICATE SUCCESSFULLY, WORK WITH OTHERS, APPLY SOUND JUDGMENT, ESTABLISH CLEAR OBJECTIVES FOR ADVANCING CAREER INTEREST, AND UTILIZE TECHNOLOGY TO ASSIST WITH SPECIFIC TASKS. KEY COMPONENTS OF THE PROCESS/WORK PLACE INSTRUCTIONAL GOALS FOR STUDENTS PARTICIPATING IN ALTERNATE ASSESSMENT AND WORKING ON A MODIFIED DIPLOMA ARE INCLUDED IN **WEST VIRGINIA'S ALTERNATE ASSESSMENT FRAMEWORK: LINKING INSTRUCTIONAL GOALS AND OBJECTIVES WITH ADAPTIVE SKILLS**.

### JROTC

**INTRODUCTION TO ROTC** COURSES INTRODUCE STUDENTS TO THE PURPOSES AND OBJECTIVES OF THE RESERVE OFFICER TRAINING CORPS PROGRAM. AS PART OF THAT INTRODUCTION, COURSE TOPICS MAY INCLUDE A BRIEF HISTORY OF THE MILITARY BRANCHES IN THE UNITED STATES AND THE BASICS OF MILITARY DRILL, CEREMONY, AND RANK STRUCTURE.

**MILITARY ROTC** COURSES INCLUDE INSTRUCTION IN THE HISTORY, ORGANIZATION, ROLE, OBJECTIVES, AND ACHIEVEMENTS OF A PARTICULAR BRANCH OF THE UNITED STATES ARMED FORCES; DEVELOPMENT OF PERSONAL FITNESS, STRONG CHARACTER, AND LEADERSHIP QUALITIES; AND EXPOSURE TO THE CAREER OPPORTUNITIES PROVIDED BY THE MILITARY. MILITARY CUSTOMS, COURTESIES, RANK, DRILL, AND CEREMONIES ARE TYPICALLY INCLUDED AS COURSE TOPICS; CITIZENSHIP AND SCHOLARSHIP ARE OFTEN EMPHASIZED AS WELL. SUBJECTS RELATED TO THE PARTICULAR BRANCH BEING STUDIED (SUCH AS MAP-READING, NAUTICAL SKILLS, AEROSPACE TECHNOLOGY, AND JET PROPULSION), AS WELL AS MORE GENERAL SUBJECTS (INTERNATIONAL LAW, WEAPONRY, CELESTIAL NAVIGATION, AND GEOPOLITICAL STRATEGY) MAY ALSO BE INCLUDED AS PART OF THE COURSE CONTENT.

**ROTC DRILL** COURSES PROVIDE STUDENTS WITH AN ADDITIONAL OPPORTUNITY TO IMPROVE THEIR SKILLS IN MILITARY PRECISION. MARCHING AND RIFLE MANIPULATION, BODY COORDINATION AND MECHANICS, AND PERFORMING AS A MEMBER OF AN ORCHESTRATED TEAM ARE PARTICULARLY EMPHASIZED. MEMBERS OF THESE CLASSES MAY TAKE PART IN CEREMONIES AND COMPETITIONS.

### KEYS TO INNERVISIONS

THE STUDENT WILL IDENTIFY, EXPLORE, AND UTILIZE THE SOCIAL SKILLS NECESSARY TO FACILITATE THEIR TRANSITION INTO THE ADULT WORLD. **KEYS TO INNERVISIONS** IS AN EDUCATIONAL CURRICULUM ABOUT CHANGE, SPECIFICALLY CHANGING THE BELIEFS AND BEHAVIORS THAT LEAD TO DRUG ABUSE AND DEPENDENCY AND OTHER AREAS, SUCH AS INSUBORDINATION, VIOLENCE, AND ATTENDANCE.

### MISCELLANEOUS INSTRUCTIONAL CLASSES

TYPES OF CLASSES IN THIS CATEGORY INCLUDE: TEST PREPARATION/STRATEGIES; STUDY SKILLS; DROPOUT PREVENTION PROGRAM; INTRODUCTION TO CAREER CLUSTERS; INTRODUCTION TO CAREER MAJORS; JOB EXPLORATION; WV CHALLENGE; ODYSSEY OF THE MIND; CREATIVE PROBLEM SOLVING; HIGHER ORDER THINKING SKILLS.

### NON-INSTRUCTION CLASSES

TYPES OF CLASSES IN THIS CATEGORY INCLUDE: HOMEROOM; STUDY HALL; LUNCH; RECESS; LIBRARY/AVC AIDE; STUDENT AIDE; OFFICE AIDE; TEACHER AIDE; GUIDANCE AIDE; CUSTODIAL AIDE; TUTORING PRACTICUM; SCHOOL ORIENTATION; COMMUNITY SERVICE; SCHOOL GOVERNANCE; SEMINARS; LEADERSHIP; PEER COUNSELING; INDEPENDENT RESEARCH; LEADERSHIP.

### MISCELLANEOUS CLASSES WITH LOCAL CSOS

- 7670 INTRODUCTION TO DIGITAL TECHNOLOGY.** THIS COURSE IS A “HIGH TECH, INTRODUCTION TO ENGINEERING COURSE THAT INTEGRATES THE FUNDAMENTALS OF MATHEMATICS, SCIENCE AND TECHNOLOGY RELEVANT TO AUDIO AND VIDEO DIGITAL SYSTEMS. STUDENTS LEARN TO USE ENGINEERING DESIGN PROCEDURES TO SOLVE PROBLEMS AND ANALYZE DIGITAL SIGNAL CONNECTIONS. THESE CONNECTIONS ARE MADE DIGITALLY WITHIN A VISUAL APPLICATION BUILDER. THIS SOFTWARE WAS DEVELOPED BY THE INFINITY PROJECT TO ENABLE HIGH SCHOOL STUDENTS TO ASSESS AND MANIPULATE THE AUDIO AND/OR VIDEO SYSTEMS THEY DESIGN AND THEREBY PREPARE THEM FOR SUCCESS WITH REAL-[WORLD] ENGINEERING/TECHNICAL EXPERIENCES.” TEXT: *MULTIMEDIA AND INFORMATION ENGINEERING*, PRENTICE-HALL. EQUIPMENT: THE INFINITY KIT WHICH CONTAINS THE DIGITAL SIGNAL PROCESSING HARDWARE AND THE VISUAL APPLICATION BUILDER SOFTWARE.
- 7671 EAGLES’ NEST PROGRAM.** “THE EAGLES’ NEST PROGRAM IS A UNIQUE RESA II LEADERSHIP TRAINING PROGRAM WHICH TRAINS HIGH SCHOOL STUDENTS TO BECOME MENTORS FOR ELEMENTARY AND MIDDLE SCHOOL CHILDREN. THE HIGH SCHOOL STUDENTS WORK WITH THE YOUNGER STUDENTS IN PROBLEM SOLVING, COMMUNICATION, WORKING WITH OTHERS, THE DANGERS OF SUBSTANCE ABUSE, TECHNOLOGY, SELF-MANAGEMENT, CAREER DEVELOPMENT, AND OTHER ISSUES CRITICAL TO THE SUCCESS OF THE YOUNGER STUDENTS.”
- 7672 RELEASE TO COLLEGE FOR COLLEGE COURSES.** THIS COURSE CODE CAN BE USED WHEN STUDENTS ARE AUDITING OR TAKING COLLEGE/UNIVERSITY COURSES FOR CREDIT. GENERALLY, WHEN THE STUDENT IS RECEIVING HIGH SCHOOL CREDIT, USE THE APPROPRIATE CONTENT AREA COURSE CODE IN WHICH HIGH SCHOOL CREDIT IS GIVEN. FOR EXAMPLE, IF A COLLEGE COURSE IN ENGLISH IS BEING GRANTED ENGLISH 12 CREDITS, USE COURSE CODE 4012, WITH AN “X” IN THE SIXTH POSITION.
- NOTE THE FOLLOWING:**
- USE AN “X” IN THE SIXTH POSITION FOR ALL COURSE CODES THAT ARE TAKEN AT A COLLEGE OR UNIVERSITY.
  - WHENEVER A CONTENT AREA COURSE CODE HAS AN “X” IN THE SIXTH POSITION, IT WILL BE CONSIDERED A DUAL-CREDIT COURSE.
  - WHENEVER COURSE CODE 7672 IS USED, PLACE AN “X” IN THE SIXTH POSITION OF THE COURSE CODE TO INDICATE IT IS A COLLEGE COURSE. THE COURSE WILL NOT BE CONSIDERED A DUAL-CREDIT COURSE.
- 7673 REAL ENTREPRENEURSHIP.** THE REAL ENTREPRENEURSHIP COURSE IS DESIGNED TO HELP PARTICIPANTS DEVELOP SKILLS, EXPAND THEIR KNOWLEDGE, AND CREATE TANGIBLE PRODUCTS, INCLUDING NEW ENTERPRISES. IT FOCUSES ON SKILLS, KNOWLEDGE, AND PRODUCTS.
- 7677 COLLEGE 101.** THIS IS A COLLEGE SUCCESS AND ORIENTATION COURSE DESIGNED TO DEVELOP CONFIDENCE AND IMPROVE CHANCES OF STUDENT SUCCESS AND RETENTION. IT WILL PROVIDE STUDENTS WITH ACTIVE PARTICIPATION IN THE ASSESSMENT AND DEVELOPMENT OF ABILITIES IN LINE WITH COLLEGE EXPECTATIONS INCLUDING AN ORIENTATION TO COLLEGE SERVICES AND ACTIVITIES, LEARNING AND TEST TAKING SKILLS, USING TRADITIONAL AND ELECTRONIC RESOURCES, PROBLEM SOLVING, PEOPLE SKILLS, SELF-MANAGEMENT SKILLS, AND CAREER/LIFE PLANNING STRATEGIES. THE CSOS HAVE BEEN PROVIDED BY WVSCTC.

## PHYSICAL EDUCATION

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN INSTRUCTION IN THE MOVEMENT AND PHYSICAL FITNESS OF THE BODY.*

### **CORPS MOVEMENT**

CORPS MOVEMENT COURSES EMPHASIZE PHYSICAL CONDITIONING, FUNDAMENTALS OF MOVEMENT, GROUP PRECISION, AND PUBLIC PERFORMANCE. THE COURSE MAY BE INTENDED FOR MEMBERS OF VARIOUS TEAMS, INCLUDING FLAG CORPS, RIFLE CORPS, CHEERLEADING SQUADS, AND SO ON.

### **FITNESS/CONDITIONING ACTIVITIES**

THE EMPHASIS IN FITNESS/CONDITIONING ACTIVITIES COURSES IS ON CONDITIONING ACTIVITIES THAT DEVELOP MUSCULAR STRENGTH, FLEXIBILITY, AND CARDIOVASCULAR FITNESS.

### **GYMNASTICS**

THESE COURSES ARE DESIGNED TO DEVELOP SKILLS IN GYMNASTICS; THEY MAY OR MAY NOT INCLUDE OTHER COMPONENTS SUCH AS HISTORY OF GYMNASTICS AND CONDITIONING.

### **INDIVIDUAL/DUAL SPORTS**

THESE COURSES PROVIDE EXPERIENCE AND DEVELOP SKILLS IN MORE THAN ONE INDIVIDUAL OR DUAL SPORT (SUCH AS TENNIS, GOLF, JOGGING, RACQUETBALL, AND SO ON).

### **LIFETIME FITNESS EDUCATION**

THE ACQUISITION OF KNOWLEDGE AND SKILLS REGARDING LIFETIME PHYSICAL FITNESS IS EMPHASIZED IN THESE COURSES; CONTENT MAY INCLUDE RELATED TOPICS SUCH AS NUTRITION, STRESS MANAGEMENT, AND CONSUMER ISSUES. STUDENTS MAY DEVELOP AND IMPLEMENT A PERSONAL FITNESS PLAN.

### **RECREATION SPORTS**

RECREATION SPORTS COURSES PROVIDE EXPERIENCE AND DEVELOP SKILLS IN MORE THAN ONE RECREATIONAL SPORT OR ACTIVITY (SUCH AS TENNIS, BADMINTON, CROQUET, FRISBEE, BOCCE BALL, FISHING, HIKING, CYCLING, AND SO ON).

### **SPORTS PHYSIOLOGY**

COURSES IN SPORTS PHYSIOLOGY EXAMINE ANATOMY AND PHYSIOLOGY AS THEY PERTAIN TO PARTICIPATION IN SPORTS ACTIVITIES; THEY MAY OR MAY NOT EMPHASIZE THE PREVENTION AND TREATMENT OF ATHLETIC INJURIES.

### **TEAM SPORTS**

TEAM SPORTS COURSES PROVIDE EXPERIENCE AND DEVELOP SKILLS IN MORE THAN ONE TEAM SPORT (SUCH AS VOLLEYBALL, BASKETBALL, SOCCER, AND SO ON).

### **WEIGHT TRAINING**

WEIGHT TRAINING COURSES DEVELOP SKILLS WITH FREE WEIGHTS AND UNIVERSAL STATIONS; THEY MAY OR MAY NOT INCLUDE OTHER COMPONENTS SUCH AS ANATOMY AND CONDITIONING.

## READING

### **ASSISTED READING**

ASSISTED READING COURSES OFFER STUDENTS THE OPPORTUNITY TO FOCUS ON THEIR READING SKILLS. ASSISTANCE IS TARGETED TO STUDENTS' PARTICULAR WEAKNESSES, AND IS DESIGNED TO BRING POOR READERS' READING COMPREHENSION UP TO THE DESIRED LEVEL, OR TO DEVELOP STRATEGIES TO READ MORE EFFICIENTLY IN ORDER TO PROGRESS AT A STEADY RATE THROUGH SCHOOL.



## SCIENCE

**ALL SCIENCE-SPECIFIC TOPICS COURSES MUST BE WRITTEN WITH THE FOLLOWING REQUIREMENTS:** THE SUBJECT MATTER MUST BE RIGOROUS (**ABOVE THE 9<sup>th</sup> GRADE PHYSICAL SCIENCE LEVEL**) AND MUST BE DELIVERED THROUGH AN INQUIRY-BASED PROGRAM OF STUDIES THAT ADDRESSES THE TWO CONTENT STANDARDS CONTAINED IN THE WEST VIRGINIA CONTENT STANDARDS AND OBJECTIVES FOR SCIENCE. STUDENTS SHALL ENGAGE IN ACTIVE INQUIRIES, INVESTIGATION, AND HANDS-ON ACTIVITIES FOR A MINIMUM OF 50% OF THE INSTRUCTIONAL TIME TO DEVELOP CONCEPTUAL UNDERSTANDING AND RESEARCH/LABORATORY SKILLS. ALL ELECTIVES SHALL INTEGRATE SAFETY INSTRUCTION IN ALL ACTIVITIES AND SHOULD INTEGRATE THE OTHER FIELDS OF SCIENCE, WHERE APPROPRIATE.

### **INTEGRATED SCIENCE-SPECIFIC TOPICS**

INTEGRATED SCIENCE-SPECIFIC TOPICS COURSES ARE TYPICALLY OFFERED TO STUDENTS WHO HAVE MASTERED THE CONCEPTS COVERED IN **6<sup>TH</sup> GRADE SCIENCE TO 9<sup>TH</sup> GRADE PHYSICAL SCIENCE** COURSES AND WHO DESIRE TO BUILD UPON AND EXTEND FUNDAMENTAL CONCEPTS, SKILLS, AND KNOWLEDGE IN BIOLOGY, CHEMISTRY, PHYSICS, AND THE EARTH AND SPACE SCIENCES THROUGH AN INTEGRATED APPROACH. THESE COURSES EMPHASIZE THEMATIC APPROACHES IN DEVELOPING CONCEPTUAL UNDERSTANDING (SUCH AS ENVIRONMENTAL STUDIES, ECOLOGY, ETC.).

### **LIFE SCIENCE-SPECIFIC TOPICS**

LIFE SCIENCE-SPECIFIC TOPICS COURSES ARE TYPICALLY OFFERED TO STUDENTS WHO HAVE MASTERED THE CONCEPTS COVERED IN **6<sup>TH</sup> GRADE SCIENCE TO 9<sup>TH</sup> GRADE PHYSICAL SCIENCE** COURSES AND WHO DESIRE TO BUILD UPON AND EXTEND FUNDAMENTAL LIFE SCIENCE CONCEPTS, SKILLS AND KNOWLEDGE. THESE COURSES EXAMINE BIOLOGICAL SYSTEMS IN MORE DETAIL, CONCENTRATING ON A PARTICULAR SUBTOPIC (SUCH AS BOTANY, ZOOLOGY, MICROBIOLOGY, GENETICS, ETC.).

### **EARTH AND SPACE SCIENCE-SPECIFIC TOPICS**

EARTH AND SPACE SCIENCE - SPECIFIC TOPICS COURSES ARE TYPICALLY OFFERED TO STUDENTS WHO HAVE MASTERED THE CONCEPTS COVERED IN **6<sup>TH</sup> GRADE SCIENCE TO 9<sup>TH</sup> GRADE PHYSICAL SCIENCE** COURSES AND WHO DESIRE TO BUILD UPON AND EXTEND FUNDAMENTAL ENVIRONMENTAL, EARTH AND SPACE SCIENCE CONCEPTS, SKILLS AND KNOWLEDGE. THESE COURSES EXAMINE ENVIRONMENTAL AND EARTH SCIENCE SYSTEMS IN MORE DETAIL, CONCENTRATING ON A PARTICULAR SUBTOPIC (SUCH AS GEOLOGY, OCEANOGRAPHY, METEOROLOGY, ASTRONOMY, ETC.).

### **PHYSICAL SCIENCE-SPECIFIC TOPICS**

PHYSICAL SCIENCE - SPECIFIC TOPICS COURSES ARE TYPICALLY OFFERED TO STUDENTS WHO HAVE MASTERED THE CONCEPTS COVERED IN **6<sup>TH</sup> GRADE SCIENCE TO 9<sup>TH</sup> GRADE PHYSICAL SCIENCE** COURSES AND WHO DESIRE TO BUILD UPON AND EXTEND FUNDAMENTAL PHYSICAL SCIENCE CONCEPTS, SKILLS AND KNOWLEDGE. THESE COURSES EXAMINE PHYSICAL SCIENCE (CHEMISTRY AND PHYSICS) IN MORE DETAIL.

- CHEMISTRY-BASED COURSES PRESENT CHEMICAL PRINCIPLES AND REACTIONS IN MORE DETAIL, CONCENTRATING ON A PARTICULAR SUBTOPIC (SUCH AS ORGANIC CHEMISTRY, CHROMATOGRAPHY AND SPECTROSCOPY, PHYSICAL CHEMISTRY, ETC.).
- PHYSICS-BASED COURSES PRESENT THE PRINCIPLES OF MATTER AND ENERGY IN MORE DETAIL, CONCENTRATING ON A PARTICULAR SUBTOPIC (SUCH AS OPTICS, THERMODYNAMICS, QUANTUM PHYSICS, ETC.).

## **SOCIAL STUDIES**

*THIS SUBJECT AREA ENCOMPASSES COURSES THAT CONCERN THE STUDY OF HUMAN SOCIETY: THE INSTITUTIONS AND FUNCTIONING OF SOCIETY (INCLUDING POLITICAL, ECONOMIC, AND LEGAL SYSTEMS), THE RELATIONSHIPS CREATED AMONG MEMBERS OF A SOCIETY, AND THE HISTORY OF HUMAN CIVILIZATION AND ENDEAVOR.*

### **ANTHROPOLOGY**

ANTHROPOLOGY COURSES INTRODUCE STUDENTS TO THE STUDY OF HUMAN EVOLUTION WITH REGARD TO THE ORIGIN, DISTRIBUTION, PHYSICAL ATTRIBUTES, ENVIRONMENT, AND CULTURE OF HUMAN BEINGS. THESE COURSES A) MAY PROVIDE AN OVERVIEW OF ANTHROPOLOGY, INCLUDING BUT NOT LIMITED TO BOTH PHYSICAL AND CULTURAL ANTHROPOLOGY OR B) MAY EXAMINE A SPECIFIC TOPIC IN ANTHROPOLOGY, SUCH AS PHYSICAL ANTHROPOLOGY, CULTURAL ANTHROPOLOGY, OR ARCHEOLOGY.

### **BUSINESS LAW**

BUSINESS LAW COURSES PRESENT A HISTORY AND PHILOSOPHY OF LAW AND THE LEGAL SYSTEM IN THE UNITED STATES, WITH A PARTICULAR EMPHASIS ON THOSE TOPICS AFFECTING STUDENTS AS FUTURE BUSINESS LEADERS AND EMPLOYEES (SUCH TOPICS MAY INCLUDE CONTRACTS, COMMERCIAL PAPER AND DEBT INSTRUMENTS, PROPERTY RIGHTS, EMPLOYER/EMPLOYEE RELATIONSHIPS, AND CONSTITUTIONAL RIGHTS AND RESPONSIBILITIES).

### **INTERNATIONAL RELATIONS**

INTERNATIONAL RELATIONS COURSES PROVIDE AN INTRODUCTION TO INTERNATIONAL RELATIONS, INCLUDING AN EXAMINATION OF THE MODERN STATE; THE FOREIGN POLICIES OF NATIONS; THE DYNAMICS OF NATIONALISM, IDEOLOGY, AND CULTURE; AND THE ROLE OF INTERNATIONAL ORGANIZATIONS. THE COURSES MAY OR MAY NOT EMPHASIZE CONTEMPORARY EVENTS.

### **POLITICAL SCIENCE**

POLITICAL SCIENCE COURSES APPROACH THE STUDY OF POLITICS FROM A THEORETICAL PERSPECTIVE INCLUDING AN EXAMINATION OF THE ROLE OF GOVERNMENT, AND THE NATURE OF POLITICAL BEHAVIOR, POLITICAL POWER AND POLITICAL ACTION.

### **PSYCHOLOGY**

PSYCHOLOGY COURSES INTRODUCE STUDENTS TO THE STUDY OF INDIVIDUAL HUMAN BEHAVIOR. COURSE CONTENT TYPICALLY INCLUDES (BUT IS NOT LIMITED TO) AN OVERVIEW OF THE FIELD OF PSYCHOLOGY, TOPICS IN HUMAN GROWTH AND DEVELOPMENT, PERSONALITY AND BEHAVIOR, AND ABNORMAL PSYCHOLOGY. THESE COURSES MAY EXAMINE A SPECIFIC TOPIC IN PSYCHOLOGY, SUCH AS HUMAN GROWTH AND DEVELOPMENT OR PERSONALITY, RATHER THAN PROVIDING A MORE COMPREHENSIVE OVERVIEW.

### **SOCIOLOGY**

SOCIOLOGY COURSES INTRODUCE STUDENTS TO THE STUDY OF HUMAN BEHAVIOR IN SOCIETY. THESE COURSES PROVIDE AN OVERVIEW OF SOCIOLOGY, GENERALLY INCLUDING (BUT NOT LIMITED TO) TOPICS SUCH AS SOCIAL INSTITUTIONS AND NORMS, SOCIALIZATION AND SOCIAL CHANGE, AND THE RELATIONSHIPS OF INDIVIDUALS AND GROUPS IN SOCIETY. THESE COURSES MAY EXAMINE A SPECIFIC TOPIC IN SOCIOLOGY, SUCH AS CULTURE AND SOCIETY OR THE INDIVIDUAL IN SOCIETY, RATHER THAN PROVIDING AN OVERVIEW OF THE FIELD OF SOCIOLOGY.

### **TOPICS IN CITIZENSHIP**

TOPICS IN CITIZENSHIP EXAMINE SPECIFIC TOPICS NOT COVERED UNDER STATE-WRITTEN CSOS. THESE COURSES EXAMINE HOW TO PREPARE STUDENTS TO BECOME INFORMED AND ACTIVE CITIZENS WHO ACCEPT THEIR RESPONSIBILITIES, UNDERSTAND THEIR PRIVILEGES AND RIGHTS, AND PARTICIPATE ACTIVELY IN SOCIETY AND GOVERNMENT AS EFFECTIVE CITIZENS.

### **TOPICS IN ECONOMICS**

TOPICS IN ECONOMICS EXAMINE SPECIFIC TOPICS NOT COVERED UNDER STATE-WRITTEN CSOS. THESE COURSES EXAMINE ISSUES RELATED TO PRODUCTION AND DISTRIBUTION OF GOODS AND SERVICES. THE FOCUS IS HOW PEOPLE USE A VARIETY OF ECONOMIC SYSTEMS TO ATTEMPT TO SATISFY THEIR UNLIMITED NEEDS AND WANTS WITH LIMITED RESOURCES.

## **SOCIAL STUDIES (continued)**

### **TOPICS IN GEOGRAPHY**

THESE COURSES EXAMINE A SPECIFIC TOPIC IN GEOGRAPHY, SUCH AS PHYSICAL OR CULTURAL GEOGRAPHY, OR THE GEOGRAPHY OF A PARTICULAR AREA OR REGION, RATHER THAN PROVIDING AN OVERVIEW. TOPICAL GEOGRAPHY COURSES MAY OR MAY NOT CONCENTRATE ON U.S. GEOGRAPHY.

**TOPICS IN GOVERNMENT/POLITICS**

THESE COURSES EXAMINE A SPECIFIC TOPIC PERTAINING TO GOVERNMENT AND POLITICAL INSTITUTIONS, RATHER THAN PROVIDING A GENERAL OVERVIEW. THE COURSES CONCENTRATE ON ONE OF MANY POSSIBLE TOPICS RELATED TO GOVERNMENTAL STRUCTURE, FUNCTION, AND PURPOSE, SUCH AS THE CONSTITUTION, THE SUPREME COURT, CONGRESS, OR THE OFFICE OF THE PRESIDENCY.

**TOPICS IN U.S. HISTORY**

THESE COURSES EXAMINE SPECIFIC TOPICS IN U.S. HISTORY NOT COVERED UNDER STATE-WRITTEN CSOS. THESE COURSES EXAMINE PAST EVENTS IN HISTORY OF THE UNITED STATES. CONSIDERATION SHOULD BE GIVEN TO THE INTERRELATIONSHIP BETWEEN CAUSE AND EFFECT, CONTINUITY AND CHANGE, AND OTHER FACTORS THAT HISTORIANS USE AS THEY TRY TO EXPLAIN THE PAST AND THE PRESENT.

**TOPICS IN WORLD HISTORY**

THESE COURSES EXAMINE A SPECIFIC TOPIC IN WORLD HISTORY NOT COVERED UNDER STATE-WRITTEN CSOS. THESE COURSES EXPLAIN PAST AND PRESENT HISTORICAL EVENTS IN AREAS OUTSIDE OF THE UNITED STATES. CONSIDERATION SHOULD BE GIVEN TO THE INTERRELATIONSHIP BETWEEN CAUSE AND EFFECT, CONTINUITY AND CHANGE, AND OTHER FACTORS THAT HISTORIANS USE AS THEY TRY TO EXPLAIN THE PAST AND THE PRESENT.

**U.S. HISTORY-COMPREHENSIVE**

U.S. HISTORY-COMPREHENSIVE COURSES PROVIDE AN OVERVIEW OF THE HISTORY OF THE UNITED STATES, EXAMINING TIME PERIODS FROM DISCOVERY OR COLONIALISM THROUGH WORLD WAR II OR AFTER. POLITICAL, MILITARY, SCIENTIFIC, AND SOCIAL DEVELOPMENTS ARE TYPICALLY INCLUDED IN THE HISTORICAL OVERVIEW. COURSE CONTENT MAY OR MAY NOT INCLUDE A HISTORY OF THE NORTH AMERICAN PEOPLES PRIOR TO EUROPEAN SETTLEMENT.

**WEST VIRGINIA-SPECIFIC STUDIES**

THESE COURSES EXPLAIN PAST AND PRESENT EVENTS OF A LOCAL AREA OR OF WEST VIRGINIA IN GENERAL. CONSIDERATION SHOULD BE GIVEN TO THE INTERRELATIONSHIP BETWEEN CAUSE AND EFFECT, CONTINUITY AND CHANGE, AND OTHER FACTORS THAT HISTORIANS USE AS THEY TRY TO EXPLAIN THE PAST AND THE PRESENT.

**WORLD GEOGRAPHY**

WORLD GEOGRAPHY COURSES PROVIDE AN OVERVIEW OF WORLD GEOGRAPHY, BUT MAY VARY WIDELY IN TOPIC COVERAGE. POSSIBLE TOPICS INCLUDE THE PHYSICAL ENVIRONMENT; THE POLITICAL LANDSCAPE; THE RELATIONSHIP BETWEEN PEOPLE AND THE LAND; ECONOMIC PRODUCTION AND DEVELOPMENT; AND THE MOVEMENT OF PEOPLE, GOODS, AND IDEAS. THESE COURSES MAY OR MAY NOT PLACE AN EMPHASIS ON U.S. GEOGRAPHY.

## **SECTION 4**

### **COURSE REQUEST PROCEDURES**

## WVDE New Course Code Application – Elective Course

Complete the following application and submit it to the contact email address listed at the bottom of this application. A copy of the county-approved CSOs must be include with the application as new WVDE Course Code Applications cannot be reviewed until the county-approved CSOs have been received.

County: \_\_\_\_\_

County-Level Contact: \_\_\_\_\_

Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

School Year for course implementation:       SY 2013-2014       SY 2014-2015

Title of Course: \_\_\_\_\_

Course Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Course Grade Level: \_\_\_\_\_

Proposed Subject Area(s): \_\_\_\_\_

Endorsement Codes Aligned to the Course: \_\_\_\_\_

\_\_\_\_\_

I have attached the county-approved CSOs and Board Minutes along with this application. It contains complete information and reflects the intent of the county to create a new course. I have read and understand the submission timelines and that if this is received after the deadline, it may not be reviewed by the Course Code Review Team until the next cycle.

Signature of Contact: \_\_\_\_\_ Date: \_\_\_\_\_

**Email Application and County-Level Approved CSOs to:**  
Dewayne Duncan, Executive Director  
Office of Secondary Learning  
West Virginia Department of Education  
[ddduncan@access.k12.wv.us](mailto:ddduncan@access.k12.wv.us)