

Hampshire High School

Programs of Study



Classes of 2018 and Beyond

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HAMPSHIRE HIGH SCHOOL

HHS Mission: “Striving for Excellence”

HHS Core Beliefs:

- * We believe that every child has the ability to learn and that we must be innovative in our approach to ensure that we are servicing every student.
- * We believe that we are building a school of excellence today that will help to make a community of success for tomorrow.
- * We believe that literacy is a key agent in the acquisition of knowledge.

DEFINITIONS

Career Cluster—A broad grouping of related occupations representative of the type of occupations available in the world of work.

Concentration—A series of credits directly related to a student’s chosen postsecondary goal. Hampshire High school offers two types of concentrations:

- 1.) CTE concentrations that lead to certification and
- 2.) concentrations that have been developed at the county level and do not lead to CTE certification.

PLEASE NOTE:

Students who plan to attend college should take the courses that are required for general college admission: two years of a foreign language, a 4th science class, etc. Completion of a high school concentration, whether CTE or non-CTE, does not guarantee that the student has completed the courses required for admission to college. It is the student’s responsibility to be aware of what her/his potential college requires.

Graduation Requirements Class of 2018-2020

Core Academic Requirements:

4 English Credits
4 Math Credits
3 Science Credits
4 Social Studies Credits
1 Physical Education Credit
1 Health Credit
1 Arts Credit

18 Credits in core courses
+6 Personalized elective courses
24 Credits Required for Graduation

PLEASE NOTE:

It is highly recommended that students who plan to attend college take a fourth science and at least two years of a foreign language. Students are encouraged to check with the college/university they plan to attend to see the entrance requirements concerning foreign language.

Graduation Requirements Class of 2021 & Beyond

Core Academic Requirements:

4 English Credits
4 Math Credits
4 Science Credits
4 Social Studies Credits
1 Physical Education Credit
1 Health Credit
1 Arts Credit

19 Credits in core courses
+7 Personalized elective courses (One course must be Business Business Computer Applications I)
26 Credits Required for Graduation

Experiential Learning

In addition to the required courses, students are required to participate in one of the following:
Experiential Learning Options: Work-Based Experience, Community Service or Job Shadow.

CHOOSE A CLUSTER
(See Page 6)

SELECT A PATHWAY

COLLEGE-BOUND

Student plans to attend college after high school graduation.

SELECT A CONCENTRATION

Career Tech Education Concentration

Choose a CTE Concentration. Complete all courses required by state of WV to receive Completer's Certificate. (See Pages 6-14.)

non-Career Tech Education Concentration

Work with counselor to develop a customized Program of Study. Complete all courses required.

CAREER-BOUND

Student plans to enter the workforce, attend the military or receive specialized training after high school graduation.

SELECT A CONCENTRATION

Career Tech Education Concentration

Choose a CTE Concentration. Complete all courses required by state of WV to receive Completer's Certificate. (See Pages 6-14.)

non-Career Tech Education Concentration

Work with counselor to develop a customized Program of Study. Complete all courses required.

CAREER CLUSTERS

*AGRICULTURE, FOOD AND NATURAL RESOURCES

Jobs in the agriculture and natural resources career cluster involve planning, managing and performing agricultural production, horticulture and landscaping services, and related professional and technical services; planning, managing, and performing mining and extraction operations; managing and conserving natural resources; and performing related environmental services.

*CTE Concentrations available at Hampshire High School:

Agribusiness Systems
Animal Systems
Animal Processing
Natural Resources Management
Pet Grooming
Plant Systems
Power, Structural and Technical Systems

*ARCHITECTURE AND CONSTRUCTION

Jobs in the architecture and construction career cluster involve designing, planning, managing, building and maintaining the built environment.

*CTE Concentrations available at Hampshire High School:

Carpentry

*ARTS, W/V TECHNOLOGY AND COMMUNICATION

Jobs in the arts, audio/video technology and communications career cluster involve designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.

*CTE Concentrations available at Hampshire High School:

Visual Arts

*BUSINESS, MANAGEMENT AND ADMINISTRATION

Jobs in the business and administration career cluster involve planning, organizing, directing, performing and evaluating business functions essential to effective and productive business operations.

*CTE Concentrations available at Hampshire High School:

Administrative Support
Business Finance and Accounting

EDUCATION AND TRAINING

Jobs in the education and training career cluster involve planning, managing, and providing education and training services and related learning support services, including assessment and library and information services.

No CTE Concentrations available at Hampshire High School

FINANCE

Jobs in the finance career cluster involve providing services for financial and investment planning, banking insurance and business financial management.

No CTE Concentrations available at Hampshire High School

GOVERNMENT AND PUBLIC ADMINISTRATION

Jobs in the government and public administration career cluster involve planning, managing, and providing government legislative and administrative and regulatory services and related general purpose government services at the federal, state and local levels.

No CTE Concentrations available at Hampshire High School

*HEALTH SCIENCES

Jobs in the health science career cluster involve planning, managing, and providing diagnostic, therapeutic, supportive, and information and research services in health care.

*CTE Concentrations available at Hampshire High School:

Therapeutic Services

*HOSPITALITY AND TOURISM

Jobs in the hospitality and tourism career cluster involve planning, managing and providing lodging, food, recreation, conventions and tourism, and related planning and support services such as travel-related services.

*CTE Concentrations available at Hampshire High School:

Restaurant Management

HUMAN SERVICES

Jobs in the human services career cluster involve tending to families and to human needs.

No CTE Concentrations available at Hampshire High School

*INFORMATION TECHNOLOGY

Jobs in the information technology career cluster involve the design, development, support and management of hardware, software multimedia and systems integration services.

*CTE Concentrations available at Hampshire High School:

Information Management
Simulation and Game Development

***LAW, PUBLIC SAFETY, CORRECTION AND SECURITY**

Jobs in the law and public safety career cluster involve planning, managing, and providing judicial, legal and protective services.

***CTE Concentrations available at Hampshire High School:**

Law and Public Safety

MANUFACTURING

Jobs in the manufacturing career cluster involve planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities, such as production planning and control, maintenance and manufacturing/process engineering.

No CTE Concentrations available at Hampshire High School

MARKETING

Jobs in the retail/wholesale sales and service career cluster involve planning, managing, and performing wholesaling and retailing services and related marketing and distribution support services including merchandise/product management and promotion.

No CTE Concentrations available at Hampshire High School

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

Jobs in the scientific research and engineering career cluster involve planning, managing and providing scientific research and professional technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

No CTE Concentrations available at Hampshire High School

***TRANSPORTATION, DISTRIBUTION AND LOGISTICS**

Jobs in the transportation, distribution, and logistics career cluster involve the planning, management and movement of people, materials and goods by road, air, rail and water, as well as related professional and technical support services such as transportation infrastructure planning and management; logistics services; and mobile equipment and facility maintenance.

***CTE Concentrations available at Hampshire High School:**

Automotive Technology

* Concentrations are available at Hampshire High School in these career clusters for CTE Completer Certificate if specific course pathways are followed. If you substitute other electives, you will not be eligible for the Completer Certificate.

Non-CTE concentrations are available in all career clusters. Guidance counselors can assist students in customizing these concentrations.

**The following CTE Concentrations are available at Hampshire High School
for both College Bound and Career Bound students.**

Agriculture, Food & Natural Resources Cluster

Production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

CONCENTRATION: AG0120 Agribusiness Systems (Begins in ninth grade)

Required Courses for CTE Completion:

1. 0101 Introduction to Agriculture, Food and Natural Resources
2. 0102 The Science of Agriculture
3. Specialization Course (choose one)
 - a. 0183 Forest Management
 - b. 0212 Horticulture
 - c. 0136 Advanced Principles of Agriculture
 - d. 0140 Animal Production and Management
 - e. 0112 Fundamentals of Agriculture Mechanics
 - f. 0139 Fundamentals of Animal Processing
 - g. 0200 Natural Resource Management
4. 0134 Agricultural Experience Program

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0113 Agricultural Structures
- 0214 Greenhouse Production and Management
- 0149 Companion Animal Care
- 0213 Floriculture

Careers in AG0120 Agribusiness Systems:

Pest control technician, chemical applicator, service technician, pest technician, technician, termite technician, pest control chemical technician, pest control applicator, pest control operator, renewal technician, groundskeeper, groundsman, outside maintenance worker, gardener, greenskeeper, grounds worker, grounds/maintenance specialist, utility worker, grounds maintenance worker, grounds supervisor, nursery worker, grower, greenhouse worker, plant production worker, transplant worker, cutter, field hand, garden center employee, harvester, nursery harvester, agricultural educator, bacteriologist, biochemist-nutritionist, bioengineer, dietician, food and fiber engineer, food scientist, microbiologist, quality control specialist.

CONCENTRATION: AG0220 Animal Systems (Begins in ninth grade)

Required Courses for CTE Completion:

1. 0101 Introduction to Agriculture, Food and Natural Resources
2. 0140 Animal Production and Management
3. Specialization Course (choose one)
 - a. 0230 Livestock Production
 - b. 0149 Companion Animal Care
4. 0134 Agricultural Experience Program

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0139 Fundamentals of Animal Processing
- 0112 Fundamentals of Agriculture Mechanics

Careers in AG0220 Animal Systems:

Breeder, dog breeder, animal technician, artificial insemination technician, breeding manager, broodmare foreman, stallion manager, cat breeder, cattery operator, equine breeder, trainer, dog trainer, horse trainer, guide dog instructor, guide dog trainer, agility instructor, cutting horse trainer, dog and cat behavior specialist, guide dog instructor, livestock handler, cowboy, farm hand, ranch hand, farrowing worker, herdsman, milking worker, vaccinator, breeding technician, egg gatherer, groomer, dog groomer, aquarist, kennel attendant, kennel technician, pet groomer, animal care giver, kennel manager, pet stylist, animal care technician; aquaculture cooperative marketing director, aquaculture director, aquaculture program director, farm operations technical director, finfish aquaculture specialist, hatchery manager, recirculating aquaculture systems specialist, agricultural educator, bacteriologist, biochemist-nutritionist, bioengineer, dietician, food and fiber engineer, food scientist, microbiologist, quality control specialist.

Agriculture, Food & Natural Resources Cluster (Continued)

CONCENTRATION: AG0223 Pet Grooming

Required Courses for CTE Completion:

1. 0170 Introduction to Pet Grooming, Boarding & Obedience
2. 0171 Pet Grooming & Understanding Personalities
3. 0173 Pet Grooming, Boarding and Obedience Entrepreneurship
4. Specialization Course (choose one)
 - a. 1180 Advanced Pet Grooming & Understanding Personalities
 - b. 1181 Pet Boarding & Obedience

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0149 Companion Animal Care
- 0146 Leadership Development

Careers in AG0223 Pet Grooming:

Pet groomer

CONCENTRATION: AG0230 Animal Processing (Begins in ninth grade)

Required Courses for CTE Completion:

1. 0101 Introduction to Agriculture, Food and Natural Resources
2. 0139 Fundamentals of Animal Processing
3. 0151 Animal Processing
4. Specialization Course (choose one)
 - a. 0134 Agricultural Experience Program

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0140 Animal Production and Management
- 0146 Leadership Development

Careers in AG0230 Animal Processing:

Meat cutter, journeyman meat cutter, butcher, meat clerk, meat wrapper, meat trimmer, meat packer, boning room worker, meat packager, production worker, trimmer, breast trimmer, deboner, wing scorer, agricultural educator, bacteriologist, biochemist-nutritionist, bioengineer, dietician, food and fiber engineer, food scientist, microbiologist, quality control specialist.

CONCENTRATION: AG0170 Natural Resources Management (Begins in ninth grade)

Required Courses for CTE Completion:

1. 0101 Introduction to Agriculture, Food and Natural Resources
2. 0200 Natural Resources Management
3. Specialization Course (choose one)
 - a. 0183 Forest Management
 - b. 0190 Fish and Wildlife Management
4. 0134 Agricultural Experience Program

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0102 The Science of Agriculture
- 0136 Advanced Principles of Agriculture
- 0146 Leadership Development

Careers in AG0170 Natural Resources Management:

Forest technician, forestry technician, wildlife technician, resource manager, resource technician, conservationist, fire technician, forest ranger, forestry aide, natural resources technician, log scaler, log buyer, inspector, log grader, log yard manager, procurement forester, log check scaler, raw material manager, timber buyer, veneer grader, soil conservationist, land reclamation specialist, land resource specialist, environmental analyst, resource conservation specialist, resource conservationist, erosion control specialist, land manager, watershed program manager, geological technician, geotechnician, field engineer, observer, technical assistant, exploration manager, geoscience technician, geoscientist, soils technician, geological E-logger, conservation officer, wildlife manager, district wildlife manager, game warden, natural resource officer, state conservation officer, state game warden, wildlife officer, cartographer, agricultural educator.

Agriculture, Food & Natural Resources Cluster (Continued)

CONCENTRATION: AG0210 Plant Systems (Begins in ninth grade)

Required Courses for CTE Completion:

1. 0101 Introduction to Agriculture, Food and Natural Resources
2. 0212 Horticulture
3. Specialization Course (choose one)
 - a. 0220 Fruit and Vegetable Production
 - b. 0214 Greenhouse Production and Management
 - c. 0213 Floriculture
 - d. 0240 Turf and Landscape Systems
4. 0134 Agricultural Experience Program

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0183 Forest Management
- 0102 The Science of Agriculture
- 0136 Advanced Principles of Agriculture
- 0146 Leadership Development

Careers in AG0210 Plant Systems:

Nursery worker, grower, greenhouse worker, plant production worker, transplant worker, cutter, field hand, garden center employee, harvester, nursery harvester, farm laborer, orchard worker, field irrigation worker, farm worker, field worker, irrigator, hired hand, hoe worker, picker, production manager, nursery manager, greenhouse manager, grower, propagation manager, farm manager, garden center manager, harvesting manager, horticulturist, perennial house manager, floral designer, florist, flower shop laborer /designer, floral artist, groundskeeper, groundsman, outside maintenance worker, gardener, greenskeeper, grounds worker, grounds/maintenance specialist, utility worker, grounds maintenance worker, grounds supervisor, soil and plant scientists, soil and water conservationists, forester, agricultural educator.

CONCENTRATION: AG0110 Power, Structural and Technical Systems (Begins in ninth grade)

Required Courses for CTE Completion:

1. 0101 Introduction to Agriculture, Food and Natural Resources
2. 0112 Fundamentals of Agriculture Mechanics
3. 0113 Agriculture Structures
4. 0134 Agricultural Experience Program

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0240 Turf and Landscape Systems
- 0214 Greenhouse Production and Management
- 6301 Physics
- 0102 The Science of Agriculture

Careers in AG0110 Power, Structural and Technical Systems:

Machine operators, electronics systems technicians, agricultural engineers, agricultural extension engineering specialists, heavy equipment maintenance technicians, recycling technicians, waste water treatment plant operators, equipment/parts managers, welders, machinists, communication technicians, agricultural applications software developers/programmers, database administrators, computer service technical support technicians, information lab specialists, GPS technicians, remote sensing specialist, agricultural educator.

Architecture and Construction Cluster

Designing, planning, managing, building and maintaining the built environment.

CONCENTRATION: AR1820 Carpentry (Begins in tenth grade)

Required Courses for CTE Completion:

1. 1842 Carpentry I
2. 1843 Carpentry II
3. 1844 Carpentry III
4. 1845 Carpentry IV

Careers in AR1820 Carpentry:

Residential and non-residential building construction; building finishing contractors; foundation, structure and building exterior contractors

Arts, A/V Technology and Communications Cluster

Designing, producing, exhibiting, performing, writing and publishing of multimedia content including visual and performing arts and design, journalism and entertainment services.

CONCENTRATION: AV2015 Visual Arts (Begins in ninth grade)

Required Courses for CTE Completion:

1. 1455 Web Page Publishing
2. 1431 Digital Imaging/Multimedia I
3. 3213 Art III
4. 3214 Art IV

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 1412 Business Computer Applications I
- 1413 Business Computer Applications II
- 0240 Turf and Landscape Systems
- 4051 Journalism
- 4071 School Yearbook
- 3211 Art I
- 3212 Art II

Careers in AV2015 Visual Arts:

Commercial and industrial designers, craft artists, fine artists (painters, sculptors, illustrators), multi-media artists and animators, photographers.

Business Management and Administration Cluster

Planning, organizing, directing and evaluating of business functions essential to efficient and productive business operations.

CONCENTRATION: BM1465 Business & Administrative Support (Begins in ninth grade)

Required Courses for CTE Completion:

1. 1439 Business and Marketing Essentials
Specialization Course (Choose three)
 - a. 1401 Accounting Principles I
 - b. 1403 Accounting Principles II
 - c. 1411 Business Computer Applications I (Microsoft IT Word & Excel)
 - d. 1413 Business Computer Applications II (Microsoft IT PowerPoint and Access)
 - e. 0442 Marketing Principles
 - f. 1451 Personal Finance

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 1431 Digital Imaging/Multimedia

Careers in BM1465 Management & Administrative Support:

Administrative aide, administrative assistant, administrative secretary, clerk typist, computer operator, correspondence clerk, customer service representative, executive assistant, executive secretary, office assistant, office manager, receptionist, secretary, typist, word processor, accounting clerk, bookkeeper, advertising sales person, auditor, business consultant, personnel recruiter, OSHA/ADA compliance officer, medical transcriptionist, public relations manager, wholesale and retail buyer, entrepreneur, finance director, human resources manager, marketing analyst, investment executive, facilities manager.

CONCENTRATION: BM1410 Accounting (Begins in ninth grade)

Required Courses for CTE Completion:

1. 1401 Accounting Principles I
 2. 1403 Accounting Principles II
- Specialization Courses (Choose 2)
- a. 0422 Marketing Principles
 - b. 1439 Business and Marketing Essentials
 - c. 1451 Personal Finance
 - d. 1411 Business Computer Applications I (Microsoft IT Academy, Word & Excel)
 - e. 1413 Business Computer Applications II (Microsoft IT PowerPoint and Access)

Careers in BM1410 Accounting:

Accounting clerk, accounts payable clerk, accounts receivable clerk, bookkeeper, payroll clerk, auditor, business consultant, certified public accountant, finance director, investment executive, banking and finance, stock broker, loan officer, real estate broker, real estate sales agent, securities and commodities, budget analyst, tax accountant, bank teller, claims examiner, real estate appraiser, billing clerk, insurance sales.

Health Science Cluster

Planning, managing and providing therapeutic services, diagnostic service, health informatics, support services and biotechnology research and developments.

CONCENTRATION: HE0723 Therapeutic Services (Begins in 10th grade)

Required Courses for CTE Completion:

1. 0711 Foundations of Health Science
2. 0715 Advanced Principles of Health Science
3. 0789 Clinical Specialties I
4. 0790 Clinical Specialties II
 - a. Home Health Aide
 - b. Certified Nursing Assistant
 - c. Certified Patient Care
 - d. ECG Certified Technician
 - e. Certified Health Unit Coordinator
 - f. Certified Phlebotomy Technician

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 0721 Medical Terminology
- 6103 Advanced Anatomy and Physiology
- 6301 Physics
- 6121 AP Biology
- 6321 AP Chemistry

Careers in HE0723 Therapeutic Services:

Certified nursing assistant, direct care worker, EMT/Paramedic, home health aide, pre-pharmacy technician, certified patient care technician, certified ECG technician, certified health unit coordinator, certified phlebotomy technician, veterinary science aide, physical therapy aide, family caregiver, radiology aide, dental aide, community emergency response team, massage therapist, recreation therapist, acupuncturist, art/music therapist, athletic trainer, audiologist, chiropractor, dentist, dietician, exercise physiologist, mortician, nurse practitioner, occupational therapist, optometrist, physical therapist, physician, psychologist, registered nurse.

Hospitality and Tourism Cluster

Management, marketing and operation of restaurants and other food services, lodging, attractions, recreation events and travel related services.

CONCENTRATION: HO1010 Pro-Start Restaurant Management (Begins in tenth grade)

Required Courses for CTE Completion:

1. 1013 Restaurant and Culinary Foundations
2. 1014 Restaurant Management Essentials
3. 1019 Advanced Principles in Food Production
4. 1020 Restaurant Professional

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 1445 Business and Marketing Essentials
- 0952 Nutrition and Food Science

Careers in HO1010 Pro-Start Restaurant Management:

Cook, line cook, prep cook, grill cook, fry cook, banquet cook, breakfast cook, back line cook, pastry baker, dietary aide, deli clerk, crew member, school cafeteria cook, server, food service worker, counter attendant, host/hostess, catering manager, kitchen manager, banquet manager, food and beverage director, purchasing director, waitress, server, waiter, food server, banquet server, cocktail server, restaurant server, room service server, food runner, baker, mixer, dough mixer, bakery manager, machine operator, bakery clerk, cake decorator, pastry chef, scaler, bakery chef, small business owner, food and beverage director, chefs and head cooks, president/CEO, chief financial officer, general manager, director of operations.

Information Technology Cluster

Design, develop, support and manage hardware, software, multimedia and systems integrations services.

CONCENTRATION: IT1450 Information Management (Begins in ninth grade)

Required Courses for CTE Completion:

1. 1411 Business Computer Applications I
2. 1431 Digital Imaging/Multimedia I
3. 1455 Web Page Publishing
4. Specialization Courses (Choose one)
 - a. 1413 Business Computer Applications II
 - b. 1429 Desktop Publishing
 - c. 1432 Digital Imaging/MultiMedia II

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 1439 Business & Marketing Essentials

Careers in IT1450 Information Management:

Administrative assistant, administrative secretary, clerk typist, computer operator, customer service representative, executive assistant, executive secretary, office assistant, office manager, receptionist, secretary, word processor, animator, graphic artist, graphic designer, webmaster, web designer, desktop publisher, legal secretary, library assistant, postal service mail sorter, police/fire/ambulance dispatchers, medical secretary, data entry clerks, tax preparers, cashiers, telemarketers, public relations manager, entrepreneur, personnel recruiter, medical transcriptionist.

CONCENTRATION: IT1445 Simulation and Game Development (Begins in tenth grade)

Required Courses for CTE Completion:

1. 1431 Digital Imaging/Multimedia I
2. 1455 Web Page Publishing
3. 1465 Game Design I
4. 1465 Game Design II

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 1429 Desktop Publishing
- 1411 Business Computer Applications I
- 1413 Business Computer Applications II

Careers in IT1445 Simulation and Game Development:

Animator, graphic artist, graphic designer, webmaster, web designer, desktop publisher, video game designer, game developer, digital graphic technician.

Law, Public Safety, Corrections and Security Cluster

Planning, managing and providing legal, public safety, protective services and homeland security, including professional and technical support services.

CONCENTRATION: LA1020 Law and Public Safety (Begins in tenth grade)

Required Courses for CTE Completion:

1. 1225 Fundamentals of Public Safety Leadership
2. 1226 Ethical Issues in Public Safety
3. 1039 Practical Applications in Public Safety
4. Specialization Course (Choose one)
 - a. Corrections
1034 Seminar in Corrections
 - b. Law Enforcement
1035 Seminar in Law Enforcement

Related Elective/Substitute Courses for students not completing a CTE concentration:

- 7321 Psychology
- 4076 Speech/Oral Communication
- 7341 Sociology
- 6765 Weight Training

Careers in LA1020 Law and Public Safety:

Police officer, correctional officer, security guard, emergency management specialist, legal/court officer, law office assistant, court reporter, unemployment fraud investigator, gaming investigator, highway patrol, immigration and customs inspectors, sheriffs and deputy sheriff, evidence technician, correctional officer, security guard, parking enforcement worker, private detectives and investigators, transit and railroad police, animal control officer, bailiff, police/ambulance dispatchers, FBI, CIA, emergency relief worker, bomb technician, manager/supervisor police and detectives, federal marshall, park ranger.

Transportation, Distribution and Logistics Cluster

Planning, management and movement of people materials, and goods by road, pipeline, air, rail and water and support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

CONCENTRATION: TR1620 Automotive Technology (Begins in tenth grade)

Required Courses for CTE Completion:

1. 1631/1627 Fundamentals of Automotive Technology & Electrical/Electronic Systems—Auto I
2. 1625/1637 Automotive Brakes, Steering and Suspension Systems—Auto II
3. 1623/1629 Basic Engine Concepts and Engine Performance—Auto III
4. 1633/1635 Heating and Air Conditioning and Manual/Automatic Drive Axles (Auto III, required for AST-NATEF)

Careers in TR1620 Automotive Technology:

Automotive service technicians and mechanics; automotive parts, accessories, tire store workers, automobile dealers, motorcycle mechanics, customer representative, mechanical engineering technician, service manager, lead technician, mechanical engineer, electrical engineer, automotive engineer.

Students should see their counselors to design an individual non-CTE Concentration.

Examples of Non-CTE Concentrations

CONCENTRATION: Agriculture College Bound

Required Courses:

1. 4th Science
2. Foreign Language I
3. Foreign Language II
4. Electives from Ag cluster

CONCENTRATION: Architecture College Bound

Required Courses:

1. 4th Science
2. Foreign Language I
3. Foreign Language II
4. Elective (*from list below*)
 - a. AP Courses
 - b. Science/Math Electives
 - c. CTE Electives

CONCENTRATION: Performing Arts

Required Courses (*Choose from the following*):

1. Web Page Publishing
2. Specialization Course (*Choose one set*)
 - a. Instrumental A1
3613 Band III
3614 Band IV
 - b. Instrumental A2
Guitar I
Guitar II
 - c. Vocal A
Chorus III
Chorus IV
 - d. Theatrical A
Theater III
Theater IV

Careers in AV2010 Performing Arts:

Actors, choreographers, dancers, directors—stage, motion pictures, television, and radio—entertainers and performers, sports and related workers, film and video editors, makeup artists, theatrical performance, music directors and composers, musicians and singers, producers and directors, program directors, talent directors, technical directors/managers, writers/authors, critic, teacher, instrument repair specialist, piano tuner, camera/light/sound technician.

CONCENTRATION: Communication/Media

Required Courses (*Choose from*):

- | | |
|------------------------------|---------------------------------------|
| 1. 4th Science | 8. Desktop Publishing |
| 2. Foreign Language I | 9. Psychology |
| 3. Foreign Language II | 10. Sociology |
| 4. Creative Writing | 11. Business Computer Applications I |
| 5. Journalism | 12. Business Computer Applications II |
| 6. School Yearbook | 13. Digital Imaging/Multimedia |
| 7. Speech/Oral Communication | 14. Web Page Publishing |

Careers in Communication/Media:

Authors/writers, journalists, reporters, editors, public speakers, public relations agent, media specialist, web page designer.

CONCENTRATION: Teaching College Bound

Required Courses:

1. 4th Science
2. Foreign Language I
3. Foreign Language II
4. Elective (*from list below*)

Recommended Electives (Choose one)

1. Parenting & Strong Families
2. Speech/Oral Communication
3. Psychology
4. Sociology
5. Business Computer Applications I
6. Business Computer Applications II

Students pursuing a career in education should take as many courses as possible in their area of interest, (i.e., math, English, social studies, science, etc.)

Careers in Teaching:

Elementary educators, secondary educators, education administrators, postsecondary instructors.

CONCENTRATION: Health and Wellness

Required Courses (Choose from):

1. Weight Training
2. Science Electives
3. CTE Electives
4. Foreign Language I
5. Foreign Language II
6. AP Courses

CONCENTRATION: STEM (Science, Technology, Engineering, Mathematics) College Bound

Required Courses (Choose from):

1. 4th Science
2. Foreign Language I
3. Foreign Language II
4. AP Courses
5. Science/Math Electives
6. CTE Electives

CONCENTRATION: HUMAN SERVICES

Required Courses (Choose from):

1. Foreign Language I
2. Foreign Language II
3. AP Courses
4. Social Studies/Science Electives
5. CTE Electives

CONCENTRATION: HUMANITIES

Required Courses (Choose from):

- | | |
|------------------------|---|
| 1. Foreign Language I | 4. Social Studies/English Language Arts Electives |
| 2. Foreign Language II | 5. CTE Electives |
| 3. AP Courses | 6. Arts Electives |

