HOW WCPH HIGH SCHOOL ELECTIVES FIT INTO THE CAREER CLUSTERS

Find out how you can align your high school electives to your career goals after high school

PATHWAYS
How to decide if you’re on a college or career ready pathway.
P. 2

CAREER CLUSTERS
Students investigate careers and design their courses of study to advance their career goals.
P. 4

New Graduation Requirements in Virginia

Find out how the new “Profile of a Graduate” requirements in Virginia will impact your graduation requirements.
P. 17 - 18

UPDATED 2018
WCPS PATHWAYS

Purpose Driven Curriculum and Pathways Program

An essential portion of our purpose driven curriculum will be the Pathway Program. The goal of our Pathway Program for WCPS High School Students is to ensure that our experience and course work has a purpose and that our curriculum is preparing students to attend a four-year college, attend a two-year technical college, transition into the workplace, or acquire functional life skills. We want our students, in conjunction with their parents, to begin formulating an idea of what they want to do after high school. This program is an integral part of our purpose driven curriculum which identifies different academic pathways for our students. These informed decisions will assist students to register in the appropriate coursework and ultimately enable them to be successful in their post-secondary endeavors. The first step to success is to pick a Pathway below.

Which pathway will be your journey to graduation?

Pre-vocational skills training, Modified Curriculum, Transition to Work, Applied Focus Towards Graduation, WCPS, WCTC, Specialized Programs, Functional Academic Setting, Gain Independent Living Skills

Dual Enrollment, Rigorous Curriculum, Top Academic Students, Major 4-year College plans, Governor's School, WCC Certificate or Associates Degree, WCTC, SAT/ACT preparation, College Visits, Student Leadership, Internships

Life Skills

Honors Academy

College Scholars

Career Readiness

Obtain Certifications to Enter the Workforce Right After High School, Scheduling Priorities Given to Vocational Training, Master Soft-skills needed for success in the workplace, WCPS, WCTC, Work-release Co-op classes, Interview Skills

Dual Enrollment, Structured Curriculum, High Ability Students, 4-year College Plans, WCC, WCTC, SAT/ACT Preparation, College Visits, Student Leadership, Scholarship Preparation, Internships or Apprenticeships

College Readiness

Transition to Work

Preparations Focused on Entering the Workforce Soon After High School, Scheduling Priorities Given to Skill-based Learning, WCPS, WCTC, Vocational Training Provided, Leave High School with a Work-related Credential, Co-ops, Apprenticeships, Job Shadowing, Resume Building, Interview Skills

Advanced Curriculum Studies, Strong Students, 4-year College or 2-year College, WCPS, WCTC, traditional high school curriculum, SAT/ACT Preparation, Student Leadership, Scholarship Preparation, Internships or Apprenticeships

WCPS = Wythe County Public Schools
WCC - Wytheville Community College
WCTC = Wythe County Technology Center
Co-Op = Cooperative Work Experience
1 - Honors Academy
This program will involve a small number of students, selected from all three high schools, who will demonstrate exceptional academic ability and talent. These students will be enrolled in dual credit classes, will participate in Governor's School or WCC Scholars Program, and will focus on STEM initiatives. These students will be challenged with a rigorous curriculum. This pathway is designed for our most advanced students.

2 - College Scholars
This program will involve students who have completed most of their high school requirements and who want to focus on gaining college credits. Students will be required to take a specific set of dual-enrollment classes that will prepare them to enter a four-year college.

3 - College Readiness
This program will involve students who plan on attending college, but who are not ready or interested in a full load of dual enrollment credits during high school. We will ensure these students have all of the necessary coursework to successfully enter most two or four-year colleges.

4 - Transition to Work
A - Students who want to transition to work with an Advanced Diploma
B - Students who want to transition to work with a Standard Diploma
This program is designed for students who possess a clear understanding of what vocation they want to engage in after high school. We will create a partnership with various local businesses to ensure that students are ready to enter the workplace having completed the necessary training and/or obtained the prerequisite certification to begin a job soon after high school graduation.

5 - Career Readiness
This program is designed for students who are focused on earning a certification or license for a specific vocation. Students in this pathway will be ready for work immediately after graduation. Students will enroll in classes at WCTC and WCC as appropriate. Consequently, students may opt to register in dual-enrollment vocational courses. Release time to work may be granted while earning high school credits.

6 - Life Skills/Graduation
This program will address students who are struggling with the traditional high school curriculum. These students will focus on functional academics which will help them gain independence, basic job skills, and daily living skills.

Additional information on College & Career Readiness may be found on the VDOE website.
Does the phrase "Your choices will affect the rest of your life" sound familiar? It's no exaggeration to say the elective choices you make in high school could pave a gratifying path to your future. As you begin to plan your academic pathway you will need to make important decisions on what training you want to receive in high school. Educational opportunities in Wythe County can prepare you for your ideal career path. Good careers don't just happen. Careful planning along with good choices and hard work will lead you to a happy and productive adult life as well. The first step on this journey is understanding what your options are and how to make your personal interests fit in the options you have in high school when it comes to coursework.

To simplify this decision making process, the US Dept. of Education developed 16 Career Clusters with their own instructional focus and skill requirements clearly defined.

The Career Cluster framework is useful for students to help connect their required course work towards a career interest.

Since you are required to take a certain amount of credits in high school, you might as well use your time effectively to obtain the basic skills needed to put you on the path towards a productive career.

Within each cluster, there are elective courses that correspond to a collection of educational opportunities to prepare you for your chosen career.
What classes should I take to make the most out of my time in high school?

STEP 1:
Log in and take the Student Interest Inventory on MajorClarity.com to help determine what career choices are available based on what activities you enjoy, your personal qualities, and the subject you like.

<table>
<thead>
<tr>
<th>Career Cluster</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture, Food &amp; Natural Resources</td>
<td>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</td>
</tr>
<tr>
<td>Architecture &amp; Engineering</td>
<td>Careers in designing, planning, managing, building and maintaining the built environment.</td>
</tr>
<tr>
<td>A/V Technology &amp; Communications</td>
<td>Careers in designing, planning, managing, building and maintaining the built environment.</td>
</tr>
<tr>
<td>Business Management &amp; Administration</td>
<td>Planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.</td>
</tr>
<tr>
<td>Education &amp; Training</td>
<td>Planning, managing and providing education and training services, and related learning support services.</td>
</tr>
<tr>
<td>Family &amp; Consumer Sciences</td>
<td>Planning, services for financial and investment planning, banking, insurance, and business financial management.</td>
</tr>
<tr>
<td>Government &amp; Public Administration</td>
<td>Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.</td>
</tr>
<tr>
<td>Health Science</td>
<td>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</td>
</tr>
<tr>
<td>Hospitality &amp; Tourism</td>
<td>Management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.</td>
</tr>
<tr>
<td>Human Services</td>
<td>Preparing individuals for employment in career pathways that relate to families and human needs.</td>
</tr>
<tr>
<td>Information Technology</td>
<td>Design, development, support and management of hardware, software, multimedia, and systems integration services.</td>
</tr>
<tr>
<td>Law Enforcement &amp; Security</td>
<td>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>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.</td>
</tr>
<tr>
<td>Marketing</td>
<td>Planning, managing, and performing marketing activities to reach organizational objectives.</td>
</tr>
<tr>
<td>Science, Technology &amp; Engineering</td>
<td>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</td>
</tr>
<tr>
<td>Transportation, Distribution &amp; Logistics</td>
<td>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</td>
</tr>
</tbody>
</table>

STEP 2:
Explore the career clusters that best match your interests and talents.
STEP 3: Investigate what type of education or training your selected career clusters require:

College Pathway or Career Readiness Pathway

STEP 4: Decide which WCPS pathway will lead you towards your career path:

Honors Academy
College Scholars
College Readiness
Transition to Work
Career Readiness
Life Skills

STEP 5: Talk with your school counselor about which high school core classes and electives you will need to take to better prepare you for your career aspirations.

Use the following pages in this guidebook to see which electives your high school can offer you based on your career interests.
### How WCPS High School Electives Fit into the Career Clusters

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<th>WCPS ELECTIVES</th>
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<tr>
<td><strong>Agriculture, Food &amp; Natural Resources</strong></td>
<td>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</td>
<td>Agribusiness Teacher, Landscaping and Groundskeepers, Farmworkers and Laborers, Veterinary Occupations, Environmental Engineer, Farmer/ Rancher, Fish Hatchery Manager, Park Naturalist, Soil &amp; Water Conservationist, Wildlife Biologist, Zoologist, Forestry Mgt., Extension Agent, National Park Service Employee</td>
<td>AGR8073  Applied Ag Concepts&lt;br&gt;AGR8034  Horticulture Science&lt;br&gt;AGR8035  Horticulture Sci II&lt;br&gt;AGR8008  Intro Animal Systems&lt;br&gt;AGR8010  Ag Prod Technology&lt;br&gt;AGR8088  Veterinary Science&lt;br&gt;AGR8080  Equine Mgt&lt;br&gt;AGR8014  Operating Farm Bus&lt;br&gt;AGR8040  Intro to Natural Res&lt;br&gt;AGR8041  Fisheries and Wildlife Mgt&lt;br&gt;AGR8042  Forestry Mgt&lt;br&gt;AGR8012  Ag Prod Mgt&lt;br&gt;CTE8672  Welding I&lt;br&gt;CTE8673  Welding II&lt;br&gt;ENG2315  Appalachian Studies&lt;br&gt;HPE7640  Adv PE&lt;br&gt;<em>See Ag Dept Pathways in WCPS Program of Studies</em></td>
</tr>
<tr>
<td><strong>Architecture &amp; Construction</strong></td>
<td>Careers in designing, planning, managing, building and maintaining the built environment.</td>
<td>Architect, Carpenter, Block/Brick Layer, Civil Engineer, Construction Manager, Contractor, Computer Information System, Manager/ Designer, Education and Training Director, Electrician, Mechanical Engineer, Urban Planner/ Designer, General Contractor/ Builder, Interior Designer, Plumber, Safety Director, Solar Energy Technician</td>
<td>CTE8515  Building Trades I&lt;br&gt;CTE8516  Building Trades II&lt;br&gt;CTE8530  Computer Aided Design I&lt;br&gt;CTE8531  Computer Aided Design II&lt;br&gt;ART 9120  Foundations of Art I&lt;br&gt;ART9120  Art I&lt;br&gt;ART9130  Art II&lt;br&gt;ART9140  Art III&lt;br&gt;ART9145  Art IV&lt;br&gt;ART9146  Art V&lt;br&gt;ART9190  Digital Photography&lt;br&gt;ENG2315  Appalachian Studies&lt;br&gt;HPE7640  Adv PE&lt;br&gt;CTE8672  Welding I&lt;br&gt;CTE8673  Welding II</td>
</tr>
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</table>
## How WCPS High School Electives Fit Into the Career Clusters

### Arts, A/V Technology, & Communications

**Career Cluster:** Careers in designing, planning, managing, building and maintaining the built environment.

**Sample Occupations:** Graphic Designer, Writer, Author, Editor, Photographer, Multimedia Design, Architect, Film Career, Performing Arts, Journalism, Broadcasting, Telecommunications, Radio Broadcaster, Interior Design, Home Furnishing Coordinator, Curator or Gallery Manager, Costume Designer, Video Editor, Video Production, Stage Designer,

**WCPS Electives:**
- ART9120 Art I
- ART9130 Art II
- ART9140 Art III
- ART9145 Art IV
- ART9146 Art V
- ART9190 Digital Photography
- BUS6630 Design Multimedia & Web Tech
- MUS9222 Music Appreciation
- MUS9225 Music Theory
- MUS9233 Intermed Band
- MUS9234 Adv Band
- MUS9245 Guitar Lab
- MUS9250 Percussion Ensemble
- MUS9255 Piano Lab
- MUS9297 Piano Lab II
- MUS9285 Interm Chorus
- MUS9289 Adv Chorus
- ENG1215 Yearbook
- ENG1410 Drama I
- ENG1420 Drama II
- ENG1445 TV Production
- ENG1448 Forensics
- ENG2315 Appalachian Studies
- ENG1171D DE Creative Writing
- CTE 6640 Intro to Game Design & Develop (Virtual VA)
- CTE8672 Welding I (Creativity with plasma cutter)

### Business Management & Administration

**Career Cluster:** Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

**Sample Occupations:** Accountant, Advertising Sales, Analyst Sales, Analyst, Auditor, Bookkeeper, Business Consultant, Certified Public Accountant, Chief Executive Officer, Corporate Trainer, Entrepreneur, Facilities Manager, Financial Analyst, Finance Director, General Manager, Human Resources Manager, Investment Executive Legal Secretary, Marketing Analyst, Meeting and Convention Planner, Office Manager, Paralegal, Personnel Recruiter, Public Relations Manager, Receptionist, Sales Representative, Wholesale and Retail Buyer

**WCPS Electives:**
- BUS6152 Keyboarding
- BUS6621 Office Admin
- BUS6612 Computer Info Systems
- BUS6630 Design Multimedia & Web Tech
- BUS6320 Accounting
- BUS6131D DE Business Law
- BUS 6810D DE Into to Business
- BUS6120 D DE Personal Finance
- LAN5110 French I
- LAN51200 French II
- LAN5130 French III
- LAN5140 French IV
- LAN5510 Spanish I
- LAN5520 Spanish II
- LAN5530 Spanish III
- LAN5540 Spanish IV
- LAN5550 Spanish V
- MKT8110 Intro to Marketing
- MKT8120 Marketing
- MKT8130 Adv Marketing
- MKT8130C Marketing Co-op
- ENG1448 Forensics
- MTH 3190D Intro to Elem Stats (SVETN)
- CTE 6120 Finance (SVETN)
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<tr>
<td>Planning, managing and providing education and training services, and related learning support services.</td>
<td>Elementary Teacher, High School Teacher, Middle School Teacher, Principal, Administrator, Teacher Assistant, Coach, School Counselor, Librarian, Assessment Specialist, Occupation Tech Administrator, Child Care Worker, College/University Faculty, Counselor, Curriculum Developer, Education Researcher, Psychologists (Clinical, Development, Social), Social Worker, Speech-Language, Pathologist/ Audiologist</td>
<td>CTE8285 Early Childhood 1 CTE8286 Early Childhood 2 BUS6152 Keyboarding BUS6612 Computer Info Systems BUS6630 Design Multimedia and Web Tech LANS110 French I LANS1200 French II LANS130 French III LANS140 French IV LANS510 Spanish I LANS520 Spanish II LANS530 Spanish III LANS540 Spanish IV LANS550 Spanish V MIL7913 JROTC LET 1 MIL7916 JROTC LET 2 MIL7918 JROTC LET 3 MIL7919 JROTC LET 4 MIL7920 JROTC LET 5 MIL7922 JROTC LETA 6 ART9120 Art I ART9130 Art II ART9140 Art III ART9145 Art IV ART9146 Art V ART9190 Digital Photography MUS9222 Music Appreciation MUS9225 Music Theory MUS9233 Intermed Band MUS9234 Adv Band MUS9245 Guitar Lab MUS9250 Percussion Ensemble MUS9255 Piano Lab MUS9297 Piano Lab II MUS9285 Interm Chorus MUS9289 Adv Chorus ENG1215 Yearbook ENG1410 Drama I ENG1420 Drama II ENG1445 TV Production ENG1448 Forensics ENG2315 Appalachian Studies HPE7640 Adv PE SOC2900 Principles of Psychology (SVETN) SOC2500D Principles of Sociology (SVETN) ENG1171D DE Creative Writing</td>
<td></td>
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</tr>
<tr>
<td><strong>Finance</strong></td>
<td>Planning, services for financial and investment planning, banking, insurance, and business financial management.</td>
<td>Accountant, Actuary, Auditor, Financial Manager, Bank Teller, Commodities Representative, Controller, Credit Analyst, Debt Counselor, Economist, Financial Planner/ Analyst, Foreign Exchange Manager, Fund Raiser, Insurance Broker, Internal Auditor, Investment Advisor, Loan Officer, Non-Profit Manager, Personal Financial Advisor, Tax Examiner/ Preparer, Title Researcher and Examiner, Treasurer</td>
<td>BUS6152 Keyboarding&lt;br&gt; BUS6621 Office Admin&lt;br&gt; BUS6612 Computer Info Systems&lt;br&gt; BUS6630 Design Multimedia and Web Tech&lt;br&gt; BUS6320 Accounting&lt;br&gt; BUS6302 Cyber Security Fundamentals&lt;br&gt; BUS6131D DE Business Law (SVETN)&lt;br&gt; BUS 6810D DE Into to Business (SVETN)&lt;br&gt; BUS6120 D DE Personal Finance (SVETN)&lt;br&gt; MKT8110 Intro to Marketing&lt;br&gt; MKT8120 Marketing&lt;br&gt; MKT8130 Adv Marketing&lt;br&gt; MKT8130C Marketing Co-op&lt;br&gt; MTH 3190D Intro to Elem.Stats (SVETN)&lt;br&gt; CTE 6120 Finance (SVETN)</td>
</tr>
<tr>
<td><strong>Government &amp; Public Administration</strong></td>
<td>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</td>
<td>Postal Service Employee, Interpreter, Translator, Compliance Officer, Tax Preparers, Occupational/Safety Specialist, Real Estate Appraiser/Assessor, Foreign Services Officer, Cryptographer, Intelligence Analyst, Lobbyist, Policy Analyst, Government Auditor, Congressional Aide, tax Examiner, Auditor/Assessor, Investigator/Examiner, Court Administrator, Court, Municipal, and License Clerks,</td>
<td>CTE8702 Criminal Justice I&lt;br&gt; CTE8703 Criminal Justice II&lt;br&gt; BUS6302 Cyber Security&lt;br&gt; BUS6131D DE Business Law&lt;br&gt; LAN5110 French I&lt;br&gt; LAN51200 French II&lt;br&gt; LAN5130 French III&lt;br&gt; LAN5140 French IV&lt;br&gt; LAN5510 Spanish I&lt;br&gt; LAN5520 Spanish II&lt;br&gt; LAN5530 Spanish III&lt;br&gt; LAN5540 Spanish IV&lt;br&gt; LAN5550 Spanish V&lt;br&gt; MIL7913 JROTC LET 1&lt;br&gt; MIL7916 JROTC LET 2&lt;br&gt; MIL7918 JROTC LET 3&lt;br&gt; MIL7919 JROTC LET 4&lt;br&gt; MIL7920 JROTC LET 5&lt;br&gt; MIL7922 JROTC LEA 6&lt;br&gt; MKT8110 Intro to Marketing&lt;br&gt; MKT8120 Marketing&lt;br&gt; MKT8130 Adv Marketing&lt;br&gt; MKT8130C Marketing Co-op&lt;br&gt; ENG1215 Yearbook&lt;br&gt; ENG1448 Forensics&lt;br&gt; MTH 3190D Intro to Elem.Stats (SVETN)&lt;br&gt; CTE8702 Criminal Justice I (WCTC or SVETN)&lt;br&gt; CTE8703 Criminal Justice II (WCTC or SVETN)&lt;br&gt; Any Foreign Lan not offered by WCPS (Virtual)</td>
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<th>WCPS</th>
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</table>
| **Health Science**   | Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development | Acupuncturist, Athletic Trainer, Audiologist, Biomedical/Clinical Engineer, Chiropractor, Dietary Technician, Doctor, Dental Hygienist, Dentist, Nurse, Home Health Aide, Medical Lab Technologist, Microbiologist, EMT and Paramedic, Pathologist, Pharmacist, Physical Therapist, Physician, Registered Nurse | CTE8357 Practical Nursing 1  
CTE8358 Practical Nursing 2  
FAM8210 Individual Devlopment  
FAM8219 Indep Living  
FAM8227 Life Planning  
FAM8229 Nutrition & Wellness  
LANS110 French I  
LANS120 French II  
LANS130 French III  
LANS140 French IV  
LANS510 Spanish I  
LANS520 Spanish II  
LANS530 Spanish III  
LANS540 Spanish IV  
LANS550 Spanish V  
HPE7640 Adv PE  
SOC2900 Principles of Psychology (SVETN)  
SOC2500D Principles of Sociology (SVETN)  
CTE8383D Medical Terminology (SVETN)  
LANS310 Latin I (Virtual VA)  
LANS320 Latin II (Virtual VA)  
LANS330 Latin III (Virtual VA) |

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</table>
| **Hospitality & Tourism** | Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services. | Restaurant Cook, Server or Host, Bartender, Recreation Worker, Hotel/Motel Management, Cruise Ship Management, Executive Chef, Food Service Manager, Amusement and Recreation Attendant or Manager, Golf Management, Manager, Resort Owner, Sales Professional, Event Planner, Interpreter, Travel Agent, Club Manager, Wedding Planner | CTE8275 Culinary Arts 1  
CTE8276 Culinary Arts 2  
BUS 6810D DE Into to Business (SVETN)  
BUS6621 Office Admin  
FAM8210 Individual Devlopment  
FAM8219 Indep Living  
FAM8227 Life Planning  
FAM8229 Nutrition & Wellness  
LANS110 French I  
LANS120 French II  
LANS130 French III  
LANS140 French IV  
LANS510 Spanish I  
LANS520 Spanish II  
LANS530 Spanish III  
LANS540 Spanish IV  
LANS550 Spanish V  
MKT8110 Intro to Marketing  
MKT8120 Marketing  
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MKT8130C Marketing Co-op  
ART9120 Art I  
ART9130 Art II  
ART9140 Art III  
ART9145 Art IV  
ART9146 Art V |
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| **Hospitality & Tourism**   | Hospitality encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.                                                 | Restaurant Cook, Server or Host, Bartender, Recreation Worker, Hotel/Motel Management, Cruise Ship Management, Executive Chef, Food Service Manager, Amusement and Recreation Attendant or Manager, Golf Management, Manager, Resort Owner, Sales Professional, Event Planner, Interpreter, Travel Agent, Club Manager, Wedding Planner | ART9190 Digital Photography  
MUS9222 Music Appreciation  
MUS9225 Music Theory  
MUS9233 Intermed Band  
MUS9234 Adv Band  
MUS9245 Guitar Lab  
MUS9250 Percussion Ensemble  
MUS9255 Piano Lab  
MUS9297 Piano Lab II  
MUS9285 Intern Chorus  
MUS9289 Adv Chorus  
ENG1215 Yearbook  
ENG1410 Drama I  
ENG1420 Drama II  
ENG1445 TV Production  
ENG1448 Forensics  
ENG2315 Appalachian Studies  
HPE7640 Adv PE  
CTE 6120 Finance (SVETN)  
Any Foreign Lan not offered by WCPS |
| **Human Services**          | Preparing individuals for employment in career pathways that relate to families and human needs.                                                                                                             | Personal Care Aide, Social Worker, Rehabilitation Counselor, Occupation Counselor, Child Care Workers, Clergy, Director or Assistant Directors for Child Care Facilities, Marriage or Family Counselor, Hairstylist, Nail Technician, Fitness Trainer, Massage Therapist, Mental Health Counselor, Personal Trainer, Teacher, Psychologist, Rehabilitation Counselor, School Counselors, Sociologists | CTE8285 Early Childhood 1  
CTE8286 Early Childhood 2  
CTE8527 Cosmetology I  
CTE8528 Cosmetology II  
FAM8210 Individual Development  
FAM8219 Indep Living  
FAM8227 Life Planning  
FAM8229 Nutrition & Wellness  
CTE8275 Culinary Arts 1  
CTE8276 Culinary Arts 2  
LANS110 French I  
LANS1200 French II  
LANS130 French III  
LANS140 French IV  
LANS510 Spanish I  
LANS520 Spanish II  
LANS530 Spanish III  
LANS540 Spanish IV  
LANS550 Spanish V  
ENG1448 Forensics  
ENG2315 Appalachian Studies  
HPE7640 Adv PE  
SOC2900 Principles of Psychology (SVETN)  
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<tr>
<td><strong>Law, Public Safety, Corrections &amp; Security</strong></td>
<td>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</td>
<td>Security Guards, Police, Sheriff, Deputy, Fire Fighter, Detective, Legal Secretary, Computer Security, Computer Forensics Examiner, Corrections Educators, Corrections Officer, Criminal Investigator, Special Agent, EMT, Emergency Management and Response Coordinator, Judge, Lawyer, Paralegal, Rescue Worker, Cyber Security</td>
<td>BUS6302 Cyber Security Fundamentals, CTE8702 Criminal Justice I (DE option avail), CTE8703 Criminal Justice II (DE option avail), CTE8702D DE Survey of Criminal Justice (SVETN), CTE8702D DE Survey of Criminology (SVETN), BUS6131D DE Business Law, MIL7913 JROTC LET 1, MIL7916 JROTC LET 2, MIL7918 JROTC LET 3, MIL7919 JROTC LET 4, MIL7920 JROTC LET 5, MIL7922 JROTC LETA 6, ENG1448 Forensics, ENG2315 Appalachian Studies, HPE7640 Adv PE, SOC2900 Principles of Psychology (SVETN), SOC2500D Principles of Sociology (SVETN), CTE8702 Criminal Justice I (SVETN), CTE8703 Criminal Justice II (SVETN)</td>
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</table>
### Manufacturing

**Career Cluster Description:** 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.

**Sample Occupations:**
- Industrial manufacturing Machinists
- Biomedical Equipment Technician
- Computer Installer/Repairer
- HVAC Technician
- Plumbers
- Pipe-fitters
- Inspectors
- Labor Relations Manager
- Manger
- Supervisor
- Machine Technology, Medical Equipment Manufacturing
- Appliance Maker
- Production Managers
- Safety Coordinators
- Welder, Solar Energy Technology

**WCPS Electives:**
- CTE8450 Engineering Explorations
- CTE8451 Engineering Analysis & App II
- CTE8452 Engineering Concepts and Proc III
- CTE8515 Building Trades I
- CTE8516 Building Trades II
- CTE8539 Precision Machine Technology I
- CTE8540 Precision Machine Technology II
- 8073 Applied Ag Concepts
- 8010 Ag Prod Technology
- CTE 8019 Ag Fab and Emerging Tech
- CTE8672 Welding I
- CTE8673 Welding II

### Marketing, Sales & Service

**Career Cluster Description:** Planning, managing, and performing marketing activities to reach organizational objectives.

**Sample Occupations:**
- Retail Salesperson or Manager
- Real Estate
- Account Executive
- Chief Executive Officer (CEO)
- Entrepreneur
- Interior Designers
- Marketing Managers
- Market Researchers
- Public Relations Specialists
- Sales Representative
- Sales Executive
- Webmaster
- Public Relations Specialist

**WCPS Electives:**
- BUS6152 Keyboarding
- BUS6621 Office Admin
- BUS6612 Computer Info Systems
- BUS6630 Design Multimedia and Web Tech
- BUS6320 Accounting
- BUS6131D DE Business Law (SVETN)
- BUS 6810D DE Into to Business (SVETN)
- BUS6120 D DE Personal Finance (SVETN)
- LAN5110 French I
- LAN51200 French II
- LAN5130 French III
- LAN5140 French IV
- LAN5510 Spanish I
- LAN5520 Spanish II
- LAN5530 Spanish III
- LAN5540 Spanish IV
- LAN5550 Spanish V
- MKT8110 Intro to Marketing
- MKT8120 Marketing
- MKT8130 Adv Marketing
- MKT8130C Marketing Co-op
- ENG1215 Yearbook
- ENG1410 Drama I
- ENG1420 Drama II
- ENG1445 TV Production
- ENG1448 Forensics
- MTH 3190D Intro to Elem.Stats (SVETN)
- CTE 6120 Finance (SVETN)
<table>
<thead>
<tr>
<th>CAREER CLUSTER</th>
<th>DESCRIPTION</th>
<th>SAMPLE OCCUPATIONS</th>
<th>WCPS ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Science, Technology, Engineering &amp; Mathematics</strong></td>
<td>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</td>
<td>Anthropologist, Archaeologist, Civil Engineer, Environmental Scientist, Chemical Engineering, Chemist, Geologist, Computer Network Support, Computer Specialist, Computer Analyst, Statistician, Mechanical Engineer, Electronics, Any occupation listed in the HEALTH SCIENCE INFORMATION TECHNOLOGY, or AGRICULTURE clusters above</td>
<td>CTE8347 Practical Nursing 1&lt;br&gt;CTE8358 Practical Nursing 2&lt;br&gt;CTE8450 Engineering Explorations&lt;br&gt;CTE8451 Engineering Analysis &amp; App II&lt;br&gt;CTE8452 Engineering Concepts and Proc III&lt;br&gt;CTE8530 Computer Aided Design I&lt;br&gt;CTE8531 Computer Aided Design II&lt;br&gt;CTE8539 Precision Machine Technology I&lt;br&gt;CTE8540 Precision Machine Technology II&lt;br&gt;BUS6152 Keyboarding&lt;br&gt;BUS6612 Computer Info Systems&lt;br&gt;BUS6630 Design Multimedia and Web Tech&lt;br&gt;MTH 3190D Intro to Elem.Stats (SVETN)&lt;br&gt;MTH_TBD_D College Algebra (SVETN)&lt;br&gt;CTE8383D Medical Terminology (SVETN)&lt;br&gt;CTE 6640 Intro to Game Design &amp; Develop, (Virtual VA)&lt;br&gt;Students Should Take Math all 4 Yrs&lt;br&gt;Students Should Take Science all 4 Yrs</td>
</tr>
<tr>
<td><strong>Transportation, Distribution &amp; Logistics</strong></td>
<td>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</td>
<td>Flight Attendant, Airline employee, Air Traffic Controller, Consultants, Delivery Driver, Mail Carrier, Electrician, Engineer, Marketing Manager, Pilot, Sales Manager, Shipping and Receiving Supervisor, Technician, Truck Driver, Urban and Regional Planner, Warehouse Distribution, Sales and Service, Automotive Service Technicians, Logicians, Dispatchers, Bus Drivers, Military Career</td>
<td>CTE8506 Automotive Technology I&lt;br&gt;CTE8507 Automotive Technology II&lt;br&gt;CTE8508 Automotive Technology III&lt;br&gt;MIL7913 JROTC LET 1&lt;br&gt;MIL7916 JROTC LET 2&lt;br&gt;MIL7918 JROTC LET 3&lt;br&gt;MIL7919 JROTC LET 4&lt;br&gt;MIL7920 JROTC LET 5&lt;br&gt;MIL7922 JROTC LETA 6&lt;br&gt;MKT8110 Intro to Marketing&lt;br&gt;MKT8120 Marketing&lt;br&gt;MKT8130 Adv Marketing&lt;br&gt;MKT8130C Marketing Co-op</td>
</tr>
</tbody>
</table>
Additional Online Electives

Students may wish to pursue additional electives from any of our online options listed below. Online courses provide students exposure to academic subjects that support their chosen career cluster beyond what is available in the school building. All online courses require an approval process. Please check with your school counselor to receive the most recent and updated information regarding WCPS online classes.

<table>
<thead>
<tr>
<th>Pathway:</th>
<th>Grade:</th>
<th>Pre-requisite:</th>
<th>Link to more information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apex Learning</td>
<td>9 - 12</td>
<td>pre-approval see WCPS Program of Studies</td>
<td><a href="https://www.apexlearning.com/digital-curriculum/courses/catalog">https://www.apexlearning.com/digital-curriculum/courses/catalog</a></td>
</tr>
<tr>
<td>Virtual Virginia</td>
<td>9 - 12</td>
<td>pre-approval see WCPS Program of Studies</td>
<td><a href="https://www.virtualvirginia.org/courses_catalog/index.html">https://www.virtualvirginia.org/courses_catalog/index.html</a></td>
</tr>
<tr>
<td>SVETN Elite Learning</td>
<td>11 - 12</td>
<td>Virginia College Placement Test (VPT) in Reading and/or Math See School Counselor and WCC Career Coach for additional pre-requisites</td>
<td><a href="http://svetn.org/elite-learning/courses/">http://svetn.org/elite-learning/courses/</a></td>
</tr>
<tr>
<td>Linwood Holton Governor’s School</td>
<td>11 - 12</td>
<td>Virginia College Placement Test (VPT) in Reading and/or Math See School Counselor and WCC Career Coach for additional pre-requisites</td>
<td><a href="http://www.hgs.k12.va.us/Courses__Page.htm">http://www.hgs.k12.va.us/Courses__Page.htm</a></td>
</tr>
</tbody>
</table>

What to Know Before Taking Online Courses

- **Value an independent learning experience.**
- **Be organized from the beginning.**
- **Manage your time wisely. Don't get behind! Don't procrastinate!**
- **Reserve the same time each day to work on your assignments.**
- **Have a dedicated study space.**
- **Become familiar and follow the instructor's expectations.**
- **Identify learning objectives and goals.**
- **Build a Study Plan**
- **Ask for help when you need it.**
Virginia Graduation Requirements
for Students Entering as Freshman in 2017, 2016, 2015 or Prior

Three Diploma Options
There are three diploma options available for students who were first-time ninth graders in, and prior to, the 2017-2018 school year. Those three options are the Advanced Studies Diploma, Standard Diploma, and the Applied Studies Diploma.

Advanced Studies Diploma
The first diploma we will discuss is the Advanced Studies Diploma. The Advanced Studies diploma requires 26 standard units of credit and 9 verified credits. For students who see themselves attending a four year college such as JMU or VA Tech this diploma would be very helpful. For students with IEPs it should be noted, after graduating with an Advanced Studies Diploma, students will no longer qualify for free appropriate public education or FAPE, and will not be able to receive ongoing services through the public school system after graduation.

Standard Diploma
The Standard Diploma requires 22 standard units of credit and 6 verified credits. Although both the Advanced Studies and Standard Diploma are designed to prepare students to be college and career ready, this diploma allows students the opportunity to attend 2-year colleges including community colleges and some 4-year colleges. Also, for students that would like to master a trade or enroll in an apprenticeship such as welding or cosmetology this is the diploma that is often requested as a minimum requirement. For students with IEPs, it should be noted that after graduating with a Standard Diploma, students will no longer qualify for FAPE and will not be able to receive ongoing services through the public school system.

Applied Studies Diploma
The Applied Studies Diploma is for students who have completed the requirements of their IEP and who do not meet the requirements for other diplomas. Students who earn this diploma will be eligible for ongoing services, FAPE, through the age of 21.

Additional Requirements
Additional requirements for students earning an Advanced Studies or a Standard Diploma are that they must complete one virtual course and be trained in Emergency First aid, CPR and the use of an AED. If you are earning a Standard Diploma you must also complete two sequential electives and earn a career and technical education credential. For questions regarding either of these requirements, consult your school counselor.

For additional information please visit the VDOE website at http://www.doe.virginia.gov/instruction/graduation/index.shtml
**Virginia Profile of a Graduate Requirements**  
for Students Entering as Freshman in 2018 and Beyond

**Three Diploma Options**

There are three diploma options available for students who are or were first-time ninth graders in 2018-19 and beyond. The three options are the Advanced Studies Diploma, Standard Diploma, and the Applied Studies Diploma.

### Advanced Studies Diploma (Class of 2022)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Standard Units of Credit Required</th>
<th>Verified Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>History/Social Science</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>World Language</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health &amp; Physical Education</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Fine Arts or Career &amp; Technical Education</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Economics &amp; Personal Finance</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>26</strong></td>
<td><strong>5</strong></td>
</tr>
</tbody>
</table>

**Advanced Studies Diploma**

For students who see themselves attending a four year college such as JMU or VA Tech this diploma would be very helpful.

*For students with IEPs it should be noted, after graduating with an Advanced Studies Diploma, or Standard Diploma, students will no longer qualify for free appropriate public education or FAPE, and will not be able to receive ongoing services through the public school system after graduation.*

### Standard Diploma (Class of 2022)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Standard Units of Credit Required</th>
<th>Verified Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>History/Social Science</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>World Language, Fine Arts or Career &amp; Technical Education</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Economics &amp; Personal Finance</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>22</strong></td>
<td><strong>5</strong></td>
</tr>
</tbody>
</table>

If you are earning a Standard Diploma you must also complete two sequential electives and earn a career and technical education credential.

### Applied Studies Diploma

The Applied Studies Diploma is for students who have completed the requirements of their IEP and who do not meet the requirements for other diplomas. Students who earn this diploma will be eligible for ongoing services, FAPE, through the age of 21.

**Additional Requirements**

Additional requirements for students earning an Advanced Studies or a Standard Diploma are that they must complete one virtual course and be trained in Emergency First Aid, CPR and the use of an AED. For questions regarding either of these requirements, consult your school counselor.

For additional information please visit the VDOE website at [http://www.doe.virginia.gov/instruction/graduation/index.shtml](http://www.doe.virginia.gov/instruction/graduation/index.shtml)
Virginia Graduates Shall Acquire and Demonstrate Foundational Skills in The Five C’s

The life-ready student will experience the following during his or her K-12 education in VA:

- Achieve and apply appropriate academic and technical knowledge
- Attain and demonstrate productive workplace skills, qualities, and behaviors
- Align knowledge, skills, and personal interests with career opportunities
- Build connections and value for interactions with diverse communities

Wythe County Public Schools will integrate and promote The Five C’s in all core and elective subject areas.

Profile of a Virginia Graduate
In Virginia, the Life Ready Individual:

**CONTENT KNOWLEDGE**
- Attains and is able to use the knowledge and skills described in the Standards of Learning for core instruction areas (English, math, science, and history/social science), the arts, personal wellness, languages, and Career and Technical education programs.
- Attains and demonstrates the knowledge and skills necessary to transition to and achieve in a global society and be prepared for life beyond high school graduation.
- Explores multiple subject areas that reflect personal interests and abilities.
- Communications effectively in a variety of ways, and to a variety of audiences, to interact with individuals and within groups.
- Demonstrates workplace skills including collaboration, communication, creativity, critical thinking, problem solving, and responsible citizenship.
- Makes connections and is involved in the community through civic opportunities.
- Demonstrates integrity, maintains personal health and wellness, and shows respect for others.
- Shows respect for diversity of individuals, groups, and cultures in words and actions.
- Understands and demonstrates citizenship by participating in community and government decision-making.
- Understands knowledge, skills and abilities sought by employers for career opportunities.
- Aligns knowledge, skills, and abilities with personal interests to identify career opportunities.
- Sets goals for career, school and life and has knowledge of a variety of pathways, course work, and/or requirements to achieve goals.
- Develops skills to align to current workplace needs, and that adapt to evolving job opportunities.
- Applies skills and knowledge by participating in workplace experiences.
How do I determine which career cluster is right for me?
Students were given a career interest inventory in Middle School to help identify their top three potential Career Clusters. The interest inventory will help students explore career options based on their likes and dislikes. Students can find a career they will love based on their personality and work values. Some sample Career Cluster Inventories can be found at:

- https://www.vawizard.org/wizard/careersAssess

For additional information on Career Opportunities in all states go to http://www.careeroutlook.us/
Wythe County students can log-in to their Major Clarity account at https://platform.majorclarity.com/signin

If students change their minds, will they be able to change their pathways?
Absolutely! The WCPS Pathways or Career Clusters are not a permanent commitment. Students will continue to change their minds as their interests, likes, dislikes, and college and/or career aspirations change with their age and maturity. But it is good to get the discussion started now so students can use their time in high school to explore different career options.

Where can I find more information about college and/or career readiness?
The VA Department of Education has provided guidance on College and Career Readiness to prepare VA students for postsecondary education and employer expectations. For more information on their initiative go to: http://www.doe.virginia.gov/instruction/college_career_readiness/index.shtml

The VA Department of Education has also provided information and links to help students investigate the 16 Career Clusters to advance their career goals. To find out more about options for your career choice go to: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

The VA Education Wizard is a wonderful website to help secondary and post-secondary students in Virginia to career and/or college readiness. The IMAGINE tab on their website guides students to the reality of how much income is needed to live their preferred lifestyle. VA Wizard will help lead you down the path to building a career. For more information go to: https://www.vawizard.org/wizard/home

The VA Career and Technical Education Resource Center has provided students a way search for meaningful occupations either by browsing career clusters or by their favorite academic subject. To get more help finding a career to fit your interests, go to: http://www.cteresource.org/cpg/

The Wytheville Community College website has a fantastic link on to career pathways in our local region. Students can explore what the required criteria are for their career interests as well as what the salary range is for our region. For more information go to: http://www.wcc.vccs.edu/pathways