

# 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?**

### *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.

### *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.

### *College Readiness*

This program will involve students who plan to attend 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.

### *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 has been 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. 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 wee 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.

### *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.

### *Exploring the Pathways to your Future*

Does the phrase "Your choices will affect the rest of your life" sound familiar? It is 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.

# How WCPS High School Electives Fit Into the Career Clusters

## Agriculture, Food & Natural Resources

### *Description*

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.

### *Sample Occupations*

Agribusiness Teacher, Landscaping and Groundskeepers, Farmworkers and Laborers, Veterinary Occupations, Environmental Engineer, Farmer/ Rancher, Fish Hatchery Manager, Park Naturalist, Soil & Water Conservationist, Wildlife Biologist, Zoologist, Forestry Mgt., Extension Agent, National Park Service Employee

### *WCPS Electives*

|                                    |  |
|------------------------------------|--|
| AGR8073 Applied Ag Concepts        | AGR8042 Forestry Mgt                                       |
| AGR8034 Horticulture Science       | AGR8010 Ag Prod Technology                                 |
| AGR8035 Horticulture Sci II        | AGR8012 Ag Prod Mgt  |
| AGR8008 Intro Animal Systems       | AGR8014 Operating Farm Bus                                 |
| AGR8010 Ag Prod Technology         | AGR8019 Agricultural Fabrication and Emerging Technologies |
| AGR8088 Veterinary Science         | CTE8672 Welding I  |
| AGR8080 Equine Mgt                 | CTE8673 Welding II   |
| AGR8014 Operating Farm Bus         | ENG2315 Appalachian Studies                                |
| AGR8040 Intro to Natural Res       | HPE7640 Adv PE   |
| AGR8041 Fisheries and Wildlife Mgt |  |

## Architecture & Construction

### *Description*

Careers in designing, planning, managing, building and maintaining the built environment.

### *Sample Occupations*

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

### *WCPS Electives*

|  |                             |
|--|-----------------------------|
| AGR8073 Applied Ag Concepts                                | ART9130 Art II              |
| AGR8019 Agricultural Fabrication and Emerging Technologies | ART9140 Art III             |
| CTE8515 Building Trades I                                  | ART9145 Art IV              |
| CTE8516 Building Trades II                                 | ART9146 Art V               |
| CTE8530 Computer Aided Design I                            | ART9190 Digital Photography |
| CTE8531 Computer Aided Design II                           | ENG2315 Appalachian Studies |
| ART 9120 Foundations of Art I                              | HPE7640 Adv PE              |
| ART9120 Art I  | CTE8672 Welding I           |
|  | CTE8673 Welding II          |

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

### ***Description***

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                      | MUS9297 Piano Lab II                                       |
| ART9130 Art II                     | MUS9285 Interm Chorus                                      |
| ART9140 Art III                    | MUS9289 Adv Chorus   |
| ART9145 Art IV                     | ENG1215 Yearbook   |
| ART9146 Art V                      | ENG1410 Drama I  |
| ART9190 Digital Photography        | ENG1420 Drama II   |
| BUS6611 Digital Applications       | ENG1445 TV Production                                      |
| BUS6630 Design Multimedia&Web Tech | ENG1448 Forensics  |
| MUS9222 Music Appreciation         | ENG2315 Appalachian Studies                                |
| MUS9225 Music Theory               | ENG1171D DE Creative Writing                               |
| MUS9233 Intermed Band              | CTE 6640 Intro to Game Design & Develop.(Virtual Virginia) |
| MUS9234 Adv Band                   | CTE8672 Welding I (Creativity with plasma cutter)          |
| MUS9245 Guitar Lab                 | CTE8673 Welding II (Creativity with plasma cutter)         |
| MUS9250 Percussion Ensemble        |  |
| MUS9255 Piano Lab                  |  |

## **Business Management & Administration**

### ***Description***

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***

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| BUS6611 Digital Applications          | LAN5510 Spanish I                     |
| BUS6612 Computer Info Systems         | LAN5520 Spanish II                    |
| BUS6630 Design Multimedia&Web Tech    | LAN5530 Spanish III                   |
| BUS6320 Accounting                    | LAN5540 Spanish IV                    |
| BUS10020 Computer Science Foundations | LAN5550 Spanish V                     |
| BUS 10011 Computer Science Principles | MTH3190A Advanced Prob and Stats      |
| BUS10021 Computer Science Programing  | MKT8110 Intro to Marketing            |
| BUS6131D DE Business Law              | MKT8120 Marketing                     |
| BUS 6810D DE Into to Business         | MKT8130 Adv Marketing                 |
| BUS6120 D DE Personal Finance         | MKT8130C Marketing Co-op              |
| LAN5110 French I                      | ENG1448 Forensics                     |
| LAN51200 French II                    | MTH 3190D Intro to Elem.Stats (SVETN) |
| LAN5130 French III                    | CTE 6120 Finance (SVETN)              |
| LAN5140 French IV                     |                                       |

## **Education & Training**

### ***Description***

Planning, managing and providing education and training services, and related learning support services.

### ***Sample Occupations***

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

## ***WCPS Electives***

|  |  |
|--|--|
| CTE8285 Early Childhood 1              | ART9146 Art V                            |
| CTE8286 Early Childhood 2              | ART9190 Digital Photography              |
| BUS6611 Digital Applications           | MUS9222 Music Appreciation               |
| BUS6612 Computer Info Systems          | MUS9225 Music Theory                     |
| BUS6630 Design Multimedia and Web Tech | MUS9233 Intermed Band                    |
| LAN5110 French I                       | MUS9234 Adv Band                         |
| LAN51200 French II                     | MUS9245 Guitar Lab                       |
| LAN5130 French III                     | MUS9250 Percussion Ensemble              |
| LAN5140 French IV                      | MUS9255 Piano Lab                        |
| LAN5510 Spanish I                      | MUS9297 Piano Lab II                     |
| LAN5520 Spanish II                     | MUS9285 Interm Chorus                    |
| LAN5530 Spanish III                    | MUS9289 Adv Chorus                       |
| LAN5540 Spanish IV                     | ENG1215 Yearbook                         |
| LAN5550 Spanish V                      | ENG1410 Drama I                          |
| MIL7913 Military Science 1             | ENG1420 Drama II                         |
| MIL7916 Military Science 2             | ENG1445 TV Prodcution                    |
| MIL7918 Military Science 3             | ENG1448 Forensics                        |
| MIL7919 Military Science 4             | ENG2315 Appalachian Studies              |
| MIL7920 Military Science 5             | HPE7640 Adv PE                           |
| MIL7922 Military ScienceA 6            | SOC2900 Principles of Psychology (SVETN) |
| ART9120 Art I                          | SOC2500D Principles of Sociology (SVETN) |
| ART9130 Art II                         | ENG1171D DE Creative Writing             |
| ART9140 Art III                        | ENG1165D American Literature             |
| ART9145 Art IV                         |  |

## **Finance**

### *Description*

Planning, services for financial and investment planning, banking, insurance, and business financial management.

### *Sample Occupations*

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

### *WCPS Electives*

BUS6611 Digital Applications  
BUS6612 Computer Info Systems  
BUS6630 Design Multimedia and Web Tech  
BUS6320 Accounting  
BUS6302 Cyber Security  
BUS6131D DE Business Law (SVETN)  
BUS 6810D DE Into to Business (SVETN)

BUS6120 D DE Personal Finance  
MKT8110 Intro to Marketing  
MKT8120 Marketing  
MKT8130 Adv Marketing  
MKT8130C Marketing Co-op  
MTH 3190D Intro to Elem.Stats (SVETN)  
CTE 6120 Finance (Dual Enrollment)

## **Government & Public Administration**

### *Description*

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.

### *Sample Occupations*

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,

### *WCPS Electives*

CTE8702 Criminal Justice I  
CTE8703 Criminal Justice II  
BUS6611 Digital Applications  
BUS6302 Cyber Security  
BUS6131D DE Business Law  
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  
MIL7913 Military Science 1

MIL7916 Military Science 2  
MIL7918 Military Science 3  
MIL7919 Military Science 4  
MIL7920 Military Science 5  
MIL7922 Military ScienceA 6  
MKT8110 Intro to Marketing  
MKT8120 Marketing  
MKT8130 Adv Marketing  
MKT8130C Marketing Co-op  
ENG1215 Yearbook  
ENG1448 Forensics  
MTH 3190D Intro to Elem.Stats (SVETN)  
CTE8702 Criminal Justice I (WCTC or SVETN)  
CTE8703 Criminal Justice II (WCTC or SVETN)  
Any Foreign Lan not offered by WCPS (Virtual VA)

## **Health Science**

### *Description*

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development

### *Sample Occupations*

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

### *WCPS Electives*

BUS6611 Digital Applications  
CTE8357 Practical Nursing 1  
CTE8358 Practical Nursing 2  
FAM8210 Individual Developm  
FAM8219 Indep Living  
FAM8227 Life Planning  
FAM8229 Nutrition & Wellness  
LAN5110 French I  
LAN5120 French II  
LAN5130 French III  
LAN5140 French IV  
LAN5510 Spanish I  
LAN5520 Spanish II  
LAN5530 Spanish III

LAN5540 Spanish IV  
LAN5550 Spanish V  
HPE7640 Adv PE  
SCI4320 Dual Enrollment Biology II  
SCI4330 Anatomy and Physiology \*Possible Dual Enrollment  
SOC2900 Principles of Psychology (SVETN)  
SOC2500D Principles of Sociology (SVETN)  
CTE8383D Medical Terminology (SVETN)  
LAN5310 Latin I (Virtual VA)  
LAN5320 Latin II (Virtual VA)  
LAN5330 Latin III (Virtual VA)  
LAN5340 Latin IV (Virtual VA)

## **Hospitality & Tourism**

### *Description*

Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

### *Sample Occupations*

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

## ***WCPS Electives***

CTE8275 Culinary Arts 1  
CTE8276 Culinary Arts 2  
BUS6611 Digital Applications  
BUS 6810D DE Into to Business (SVETN)  
FAM8210 Individual Developm  
FAM8219 Indep Living  
FAM8227 Life Planning  
FAM8229 Nutrition & Wellness  
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  
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 Prodcution  
ENG1448 Forensics  
ENG2315 Appalachian Studies  
HPE7640 Adv PE  
CTE 6120 Finance (SVETN)  
Any Foreign Lan not offered by WCPS

## **Human Services**

### ***Description***

Preparing individuals for employment in career pathways that relate to families and human needs.

### ***Sample Occupations***

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

## ***WCPS Electives***

BUS6611 Digital Applications  
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  
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  
ENG1448 Forensics  
ENG2315 Appalachian Studies  
HPE7640 Adv PE  
SOC2900 Principles of Psychology (SVETN)  
SOC2500D Principles of Sociology (SVETN)



## Information Technology

### *Description*

Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

### *Sample Occupations*

Computer Programmer, Data Communications Analyst, Database Administrator, Instructional Designer, Multimedia Developer/Specialist, Network Analyst/Architect/ Engineer/Manager, Online Publisher, Senior Database Administrator, Systems Engineer, Technical Writer, Web Developer, Web Administrator, Software Designer, Game Developer, App Developer,

### *WCPS Electives*

|  |   |
|--|---|
| BUS6611 Digital Applications           | ART9190 Digital Photography               |
| BUS6612 Computer Info Systems          | MTH 3190A Adv Prob and Stats              |
| BUS6630 Design Multimedia and Web Tech | MTH 3190D Intro to Elem.Stats (SVETN)     |
| BUS6302 Cyber Security Fundamentals    | CTE8450 Engineering Explorations          |
| BUS10020 Computer Science Foundations  | CTE8451 Engineering Analysis & App II     |
| BUS 10011 Computer Science Principles  | CTE8452 Engineering Concepts and Proc III |
| BUS10021 Computer Science Programing   | CTE8530 Computer Aided Design I           |
| ENG1215 Yearbook                       | CTE8531 Computer Aided Design II          |

## Law, Public Safety, Corrections & Security

### *Description*

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

### *Sample Occupations*

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

### *WCPS Electives*

|  |  |
|--|--|
| BUS6611 Digital Applications                   | MIL7919 Military Science 4               |
| BUS6302 Cyber Security Fundamentals            | MIL7920 Military Science 5               |
| CTE8702 Criminal Justice I (DE option avail)   | MIL7922 Military ScienceA 6              |
| CTE8703 Criminal Justice II (DE option avail)  | ENG1448 Forensics                        |
| CTE8702D DE Survey of Criminal Justice (SVETN) | ENG2315 Appalachian Studies              |
| CTE8702D DE Survey of Criminology (SVETN)      | HPE7640 Adv PE                           |
| BUS6131D DE Business Law                       | SOC2900 Principles of Psychology (SVETN) |
| MIL7913 Military Science 1                     | SOC2500D Principles of Sociology (SVETN) |
| MIL7916 Military Science 2                     | CTE8702 Criminal Justice I (SVETN)       |
| MIL7918 Military Science 3                     | CTE8703 Criminal Justice II (SVETN)      |

## **Manufacturing**

### ***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, Engineer, HVAC Technician, Plumbers, Pipe-fitters, Inspector, Labor Relations Manager, Manger, Supervisor, Machine Technology, Medical Equipment Manufacturing, Appliance Maker, Production Managers, Safety Coordinators, Welder , Solar Energy Technology,

### ***WCPS Electives***

|   |   |
|---|---|
| 8073 Applied Ag Concepts                  | CTE8540 Precision Machine Technology II   |
| 8010 Ag Prod Technology                   | CTE 8019 Ag Fab and Emerging Tech         |
| CTE8450 Engineering Explorations          | CTE8672 Welding I                         |
| CTE8451 Engineering Analysis & App II     | CTE8673 Welding II                        |
| CTE8452 Engineering Concepts and Proc III | CTE8575 Industrial Technology I           |
| CTE8420 Technology of Robotic Design      | CTE8576 Industrial Technology II          |
| CTE8515 Building Trades I                 | CTE8554 Mechatronics I                    |
| CTE8516 Building Trades II                | CTE8555 Mechatronics II                   |
| CTE8539 Precision Machine Technology I    | 8475 Career Education Work-Based Learning |

## **Marketing**

### ***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***

|  |                                       |
|--|---------------------------------------|
| BUS6611 Digital Applications           | LAN5540 Spanish IV                    |
| BUS6612 Computer Info Systems          | LAN5550 Spanish V                     |
| BUS6630 Design Multimedia and Web Tech | MKT8110 Intro to Marketing            |
| BUS6320 Accounting                     | MKT8120 Marketing                     |
| BUS6131D DE Business Law (SVETN)       | MKT8130 Adv Marketing                 |
| BUS 6810D DE Into to Business (SVETN)  | MKT8130C Marketing Co-op              |
| BUS6120 D DE Personal Finance (SVETN)  | ENG1215 Yearbook                      |
| LAN5110 French I                       | ENG1410 Drama I                       |
| LAN51200 French II                     | ENG1420 Drama II                      |
| LAN5130 French III                     | ENG1445 TV Production                 |
| LAN5140 French IV                      | ENG1448 Forensics                     |
| LAN5510 Spanish I                      | MTH 3190D Intro to Elem.Stats (SVETN) |
| LAN5520 Spanish II                     | CTE 6120 Finance (SVETN)              |
| LAN5530 Spanish III                    |                                       |

## Science, Technology, Engineering & Mathematics

### *Description*

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.

### *Sample Occupations*

Anthropologist, Archaeologist, Civil Engineering, 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

### *WCPS Electives*

|   |   |
|---|---|
| BUS6611 Digital Applications              | CTE8530 Computer Aided Design I                       |
| BUS6612 Computer Info Systems             | CTE8531 Computer Aided Design II                      |
| BUS10020 Computer Science Foundations     | CTE8539 Precision Machine Technology I                |
| BUS 10011 Computer Science Principles     | CTE8540 Precision Machine Technology II               |
| BUS10021 Computer Science Programing      | CTE8575 Industrial Technology I                       |
| BUS6302 Cyber Security Fundamentals       | CTE8576 Industrial Technology II                      |
| BUS6611 Digital Applications              | CTE8554 Mechatronics I                                |
| BUS6612 Computer Info Systems             | CTE8555 Mechatronics II                               |
| BUS6630 Design Multimedia and Web Tech    | CTE8383D Medical Terminology (SVETN)                  |
| CTE8357 Practical Nursing 1               | CTE 6640 Intro to Game Design & Develop. (Virtual VA) |
| CTE8358 Practical Nursing 2               | MTH3190A Advanced Probability and Statistics          |
| CTE8450 Engineering Explorations          | MTH 3190D Intro to Elem.Stats (SVETN)                 |
| CTE8451 Engineering Analysis & App II     | MTH_TBD_D College Algebra (SVETN)                     |
| CTE8452 Engineering Concepts and Proc III | 8475 Career Education Work-Based Learning             |
| CTE8420 Technology of Robotic Design      |   |

Students Should Take Math all 4 Yrs

Students Should Take Science all 4 Yrs

## Transportation, Distribution & Logistics

### *Description*

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.

### *Sample Occupations*

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

***WCPS Electives***

BUS6611 Digital Applications  
BUS6612 Computer Info Systems  
BUS6320 Accounting  
CTE8506 Automotive Technology I  
CTE8507 Automotive Technology II  
CTE8508 Automotive Technology III  
CTE8420 Technology of Robotic Design  
CTE8575 Industrial Technology I  
CTE8576 Industrial Technology II

MIL7913 Military Science 1  
MIL7916 Military Science 2  
MIL7918 Military Science 3  
MIL7919 Military Science 4  
MIL7920 Military Science 5  
MIL7922 Military Science 6  
MKT8110 Intro to Marketing  
MKT8120 Marketing  
MKT8130 Adv Marketing  
MKT8130C Marketing Co-op

## **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.

### ***Apex Learning***

All WCPS Pathways

Grades: 9 - 12 pre-approval

Pre-requisite: see WCPS Program of Studies

Link: <https://www.apexlearning.com/digital-curriculum/courses/catalog>

### ***Virtual Virginia***

All WCPS Pathways

Grades: 9 - 12 pre-approval

Pre-requisite: see WCPS Program of Studies

Link: <https://www.virtualvirginia.org/courses/catalog/index.html>

### ***SVETN***

Elite Learning

WCPS Pathways 1, 2, 3

Grades: 11 - 12

Pre-requisite: Virginia College Placement Test (VPT) in Reading and/or Math

More information: See School Counselor and WCC Career Coach for additional pre-requisites

Link: <http://svetn.org/elite-learning/courses/>

### ***Linwood Holton Governor's School***

WCPS Pathways 1 and 2

Grades: 11 - 12

Pre-requisite: Virginia College Placement Test (VPT) in Reading and/or Math See School Counselor and WCC Career Coach for additional pre-requisites

Link: [http://www.hgs.k12.va.us/Courses\\_Page.htm](http://www.hgs.k12.va.us/Courses_Page.htm)

## **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 work pace.
- 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 that 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 [www.doe.virginia.gov/instruction/graduation/index.shtml](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*

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

- *English: 4 standard units of credit required; 2 verified credits*
- *Mathematics: 4 standard units of credit required; 1 verified credit*
- *Science: 4 standard units of credit required; 1 verified credit*
- *History/Social Science: 4 standard units of credit required; 1 verified credit*
- *World Language: 3 standard units of credit required*
- *Health & Physical Education: 2 standard units of credit required*
- *Fine Arts or Career & Technical Education: 1 standard unit of credit required*
- *Economics & Personal Finance: 1 standard unit of credit required*
- *Electives: 3 standard units of credit required*

Total: 26 standard units of credit required; 5 verified credits required

### *Standard Studies Diploma*

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.

- *English: 4 standard units of credit required; 2 verified credits*
- *Mathematics: 3 standard units of credit required; 1 verified credit*
- *Science: 3 standard units of credit required; 1 verified credit*
- *History/Social Science: 3 standard units of credit required; 1 verified credit*
- *Health & Physical Education: 2 standard units of credit required*
- *World Language, Fine Arts, or Career & Technical Education: 2 standard unit of credit required*
- *Economics & Personal Finance: 1 standard unit of credit required*
- *Electives: 4 standard units of credit required*

Total: 22 standard units of credit required; 5 verified credits required

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.

It should be noted for students with IEPs, 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.

For additional information please visit the VDOE website at [www.doe.virginia.gov/instruction/graduation/index.shtml](http://www.doe.virginia.gov/instruction/graduation/index.shtml).

## ***Virginia Graduates Shall Acquire and Demonstrate the Foundational Skills in “The Five C’s”***

- 1. Critical Thinking**
- 2. Creative Thinking**
- 3. Collaboration**
- 4. Communication**
- 5. Citizenship**

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

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

Content Knowledge, Workplace Skills, Community and Civic Responsibility, and Career Planning.

## **Frequently Asked Questions**

### ***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:

- [ca.reertech.org/sites/default/files/Student Interest Survey-English.pdf](http://ca.reertech.org/sites/default/files/Student%20Interest%20Survey-English.pdf).
- [www.vawizard.org/wizard/careersAssess](http://www.vawizard.org/wizard/careersAssess)

### ***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 career clusters?***

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/collegecareerreadiness/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](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/lepg/>

***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>***