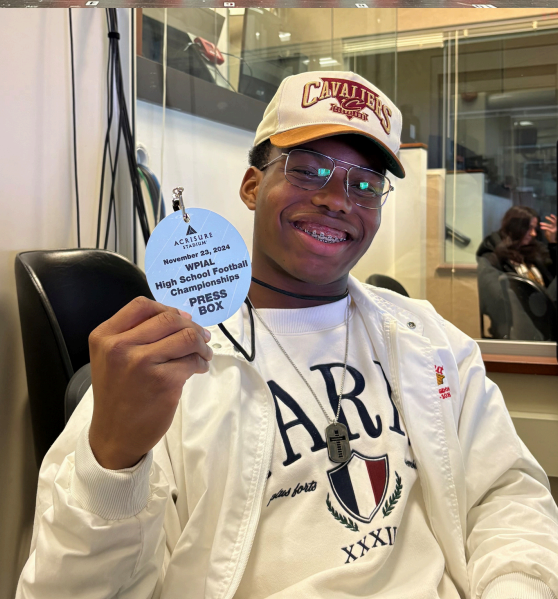




# WEST ALLEGHENY HIGH SCHOOL

# 25 26



## PROGRAM OF STUDIES



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## An Introduction to the 2025-2026 Program of Studies from the Superintendent of Schools and the High School Principal

West Allegheny School District is excited to present our 2025-2026 Program of Studies. Each year we revise our academic offerings to align courses and programs to student interests and up-and-coming career fields. Our academic programming includes a variety of opportunities for our students to engage in meaningful learning experiences. We encourage our students to review the Program of Studies with their families to determine which courses align best to their Career and College Pathway to provide the most relevant and personalized high school plan. We also encourage all students and families to review our graduation requirements and the scheduling process together. The scheduling timeline also includes several opportunities for you to learn more about course offerings and the scheduling timeline through in-person and virtual sessions with our administrative and counseling team. Our Counseling Department is happy to help support you with any individual questions or concerns you may have.

During the District's Curriculum Review Process for each department, new courses are recommended for the Program of Studies. Beginning with the 2025-2026 school year, the following are new courses:

### **BUSINESS, COMPUTER, & INFORMATION TECHNOLOGY**

- AI Adventures
- IT Fundamentals

### **ENGINEERING & TECH ED**

- Electrical & Mechanical Systems  
(formerly Home Systems)

### **ENGLISH**

- Journalism
- Professional & Technical  
Communications

### **PERFORMING ARTS**

- Modern Band 1
- Modern Band 2
- Modern Band 3

### **SCIENCE**

- Functional Nutrition & Health

### **SOCIAL STUDIES**

- AP US History (formerly WAVA only)
- Ethnic Studies (Semester WAVA course)

Additionally, we have added five (5) new Early College in High School Academy (ECIHTSA) programs:

1. Seton Hill University Concurrent Enrollment: Art Education Accelerated Bachelor Degree
2. Seton Hill University Concurrent Enrollment: Exercise Science Accelerated Bachelor Degree
3. Seton Hill University Concurrent Enrollment: Global Studies Accelerated Bachelor Degree
4. Seton Hill University Concurrent Enrollment: Pre-Art Therapy Accelerated Bachelor Degree
5. Community College of Allegheny County Dual Enrollment: Health Sciences Academy aligned to their Nursing Associate Degree

The 2025-26 Program of Studies provides an overview of the District's six Career and College Pathways aligned to Pennsylvania's sixteen career clusters. It showcases the **25** early college in high school programs available to students along with our other hallmark programs such as MCJROTC and Career and Technical Education. It also includes the Graduation Requirements for each graduating class.

Best wishes to all students as you prepare for the 2025–2026 school year.

Dr. Jerri Lynn Lippert  
*Superintendent*

Dr. Cheryl McHone  
*High School Principal*



# **2025-2026 Program of Studies**

## **Course Selections for Grades 9-12**

### **West Allegheny Board of School Directors:**

Mr. Robert Ostrander, President  
Mrs. Tracy Pustover, Vice President  
Mr. George Bartha  
Mrs. Vicki Bozic  
Mr. Todd Kosenina  
Mrs. Debbie Mirich  
Mr. Steven Pons  
Mr. Steve Psomas  
Mr. Seth Tomei

### **Prepared under the direction of:**

**Dr. Jerri Lynn Lippert**  
Superintendent of Schools

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Assistant Superintendent of Schools

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**Dr. Lynn Utchell**  
Assistant to the Superintendent for Special Education and Student Services



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*This document is searchable by keyword.*

# **WEST ALLEGHENY HIGH SCHOOL ADMINISTRATORS, COUNSELORS, AND SUPPORT STAFF**

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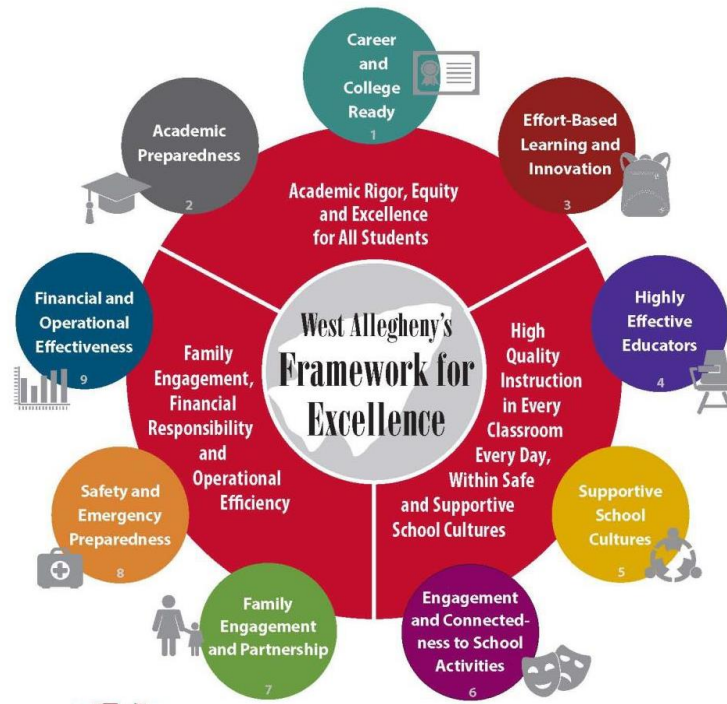


## Our Mission

The mission of West Allegheny School District, a leader in quality education, is to ensure that each student acquires the necessary knowledge and skills to be a responsible citizen, prepared for life-long learning and employment; this is accomplished by providing meaningful and personally challenging learning experiences within a safe, nurturing environment in partnership with family and community.

## Our Vision

The West Allegheny School District will create a learning environment in which students maximize their potential and achieve success in a cooperative partnership with students, parents, staff, administration, and community through a positive, supportive, caring climate which promotes the dignity of all individuals.



**GOAL 1: Career and College Ready:** All students will be career and college ready with a viable post-secondary plan and ability to persist.

**GOAL 2: Academic Preparedness:** All students will be academically prepared demonstrating content area mastery at all grade levels.

**GOAL 3: Effort-based Learning and Innovation:** All students will have a growth mindset demonstrating resiliency, perseverance and intellectual curiosity. All students will have access to innovative and relevant academic programming.

**GOAL 4: Highly Effective Educators:** All students will have educators committed to fostering active engagement, empowerment, productive disposition, critical thinking and the love of learning in and out of their classrooms.

**GOAL 5: Supportive School Cultures:** All students will be educated in safe and supportive school cultures fostering wellness, acceptance and the ability to learn and thrive free of bullying, harassment and other negative influences.

**GOAL 6: Engagement and Connectedness to School Activities:** All students will have opportunities to engage in school-based activities that support and enhance connectedness to school and develop positive relationships with staff.

**GOAL 7: Family Engagement and Partnership:** The District will foster productive parent engagement in partnership to support student success and connectedness to school.

**GOAL 8: Safety and Emergency Preparedness:** The District will prepare all students and staff for emergency situations and ensure all facilities are well-maintained and equipped with enhanced security measures.

**GOAL 9: Financial and Operational Effectiveness:** The District is committed to maintaining program enhancements in academics, arts and athletics with fiscal responsibility and operational efficiency, capitalizing on cost-saving measures that are repurposed to support student success.



# WEST ALLEGHENY SCHOOL DISTRICT

*A Tradition of Excellence ... A Vision for Tomorrow*

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Dear West Allegheny High School Students and Families,

We are pleased to share our 2025-2026 Program of Studies. Our Program of Studies outlines our course offerings, course sequencing, and requirements for graduation to help guide you throughout your high school experience. The purpose of our Program of Studies is to serve as a comprehensive document that includes multiple opportunities and programming options to best prepare you to meet your individual post-secondary goals and to become career and/or college ready by the time you graduate.

West Allegheny High School is dedicated to ensuring that every student is career and/or college ready with a viable post-secondary plan upon graduation. Our Program of Studies is designed to connect you with course offerings and programs to meet your career and college goals. WAHS offers six (6) Career and College Pathways: (1. Health and Natural Sciences 2. Engineering, Manufacturing, Technology & Trade 3. Arts, Communications & Hospitality 4. Business Administration and Finance 5. Education, Human and Public Services 6. Information Technology). The Career and College Pathways provide recommended course offerings to guide your course selections. High school is a great opportunity for students to not only get connected to courses that align with their post-secondary goals, but to also try new courses from other career pathways! As you consider what pathway you want to take in life — whether that be to enter the workforce, an apprenticeship program, a branch of the armed services, or continue your education at a four-year, two-year, or technical college - your teachers, counselors, and administrators are here to support and guide you through career exploration and the course selection process.

Research supports that students taking a college level course in high school are 50% more likely to graduate from college. To that end, students not only have the opportunity to engage in college-level course work but also earn college credits while in high school. Within the Early College in High School Academies (ECIHSAs), students can earn industry credentials, certificates, associate degrees, and/or accelerate the completion of a bachelor's degree or master's degree as outlined in the corresponding program. Our early college programs continue to expand and offer a variety of programs. New this year, senior students may choose to participate in our Health Sciences Academy, a dual enrollment program with the Community College of Allegheny. Additionally, our ECIHSA program has expanded to include a new partner, Seton Hill University. Students can engage in courses aligned to Seton Hill's curriculum in 18 different courses aligned to four programs: Art Education, Exercise Science, Global Studies, or Pre-Art Therapy. While engaging in these programs at WAHS, students are able to develop their college transcripts and progress towards a degree with one of our post-secondary partners (Community College of Allegheny County, Robert Morris University, Seton Hill University, Community College of Beaver County, and Rosedale Technical College). Our concurrent enrollment ECIHSA courses, taught by West Allegheny teachers, are eligible for both high school and college credit, saving our families thousands of dollars in tuition fees! More information regarding our ECIHSA programs and the opportunities available to earn college credits while attending WAHS is included in the pages to follow.

As you embark on this exciting journey, our team of school counselors and administrators are available to answer your questions and support you throughout your high school career as you prepare for your post-secondary endeavors.

Sincerely,

Dr. Cheryl McHone  
*Lead Principal*

Dr. Katharine Roche  
*Academic Principal and  
Director of Special Projects*

Mr. Gary Hutsler  
*Assistant Principal  
Class of 2026 & 2027*

Mrs. Toni Baldanzi  
*Assistant Principal  
Class of 2028 & 2029*

Dr. Jerri Lynn Lippert  
*Superintendent*

Dr. Christopher Shattuck  
*Assistant Superintendent*

Dr. Shana Nelson  
*Assistant to the  
Superintendent for  
Curriculum, Instruction,  
and Professional Learning*

Dr. Lynn Utchell  
*Assistant to the Superintendent for  
Special Education and Student  
Services*

# Scheduling Timeline

## 2025-2026

Date:	Time:	Who:	What:	Where:
January 8, 2025	8:30-9:30	8 <sup>th</sup> grade families	WAMS Monthly Coffee & Conversation 2024-2025 Scheduling Focus	Virtual Teams Meeting
January 23, 2025	11:00 am	8 <sup>th</sup> grade families	Rising Freshman Families meeting to learn about the scheduling process	Virtual Teams Meeting (recorded)
January 23, 2025	During the school day AM Advisory (9:44-10:23)	9 <sup>th</sup> -11 <sup>th</sup> grade students	Choosing Wisely Presentation	Virtual during students scheduled class (Virtual option for WAVA/Hybrid)
January 23-31, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	Student Course Selection Review and Teacher Recommendation	In respective schools
January 23, 2025	5:00 pm	8 <sup>th</sup> -11 <sup>th</sup> grade families	Choosing Wisely: Program of Studies Presentation for Families	Virtual Teams Meeting
January 24, 2025	During the school day in SS Classes	8 <sup>th</sup> grade students	Rising Freshman Scheduling Part 1: Pathways & Programs Overview Scheduling Process Review	Middle School
January 27, 2025	8:30 am	8 <sup>th</sup> -11 <sup>th</sup> grade families	HS Admin hosting Coffee & Conversations about scheduling	Virtual Teams Meeting
January 27, 2025	During the school day in SS Classes	8 <sup>th</sup> grade students	Rising Freshman Scheduling Part 2: Scheduling Workshop	Middle School
February 4, 2025	7:45 am	8 <sup>th</sup> grade students	Rising Freshman Scheduling Part 3: Course request and career planning survey	In students scheduled class (Virtual option for WAVA/Hybrid)
February 5, 2025	During the school day PM Advisory (12:32-1:11)	9 <sup>th</sup> -11 <sup>th</sup> grade students	Course request and career planning survey	In students scheduled class (Virtual option for WAVA/Hybrid)
February 5-28, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	School counselors review of course requests, pathways, academic planning, and schedules with students	Counselors will communicate individual meetings with students
March 31-June 12, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	Registration Window for Summer Enrichment Courses (WAVA)	
April 7, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	Summer Enrichment Courses Begin (WAVA)	
May 27-June 19, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	Registration Window for Summer Credit Recovery Courses (WAVA)	
May 28, 2025	During the school day	8 <sup>th</sup> -12 <sup>th</sup> grade families	Senior Celebration	High School
May 30, 2025	During the school day	8 <sup>th</sup> -12 <sup>th</sup> grade families	2025-26 Schedule Move Up Day	High School
June 2, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	Credit Recovery Courses Begin (WAVA)	
May 30-June 13, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade students	Schedule change request window <b>NO REQUESTS WILL BE COLLECTED OUTSIDE OF THIS WINDOW</b>	Must be submitted using Schedule Change Request form ( <a href="https://forms.gle/H8W4qxs3Q1bnxV6u8">https://forms.gle/H8W4qxs3Q1bnxV6u8</a> )
June 23-August 3, 2025	On going	Entire District	PowerSchool Inactive due to Maintenance	
August 4, 2025	On going	8 <sup>th</sup> -11 <sup>th</sup> grade families	Summer Enrichment & Credit Recovery Courses Due (WAVA)	
August 7, 2025	4:00 pm	All students	Final Student Schedules Released in PowerSchool	PowerSchool

Items highlighted in blue are family events.



# Schedule Change Procedures

## Scheduling Philosophy

West Allegheny High School offers a comprehensive educational program to meet the needs and interests of all students. The master schedule is developed from course requests submitted at the start of the second semester and is finalized before the end of the school year (Move Up Day). The number of sections (periods) a course is offered is highly dependent on the number of course requests submitted. As such, the possibility does exist that a class will be filled early in the scheduling process due to heavy enrollment or not be scheduled due to an insufficient number of students requesting a course. Throughout the scheduling process, school counselors meet with students to provide input and recommendations.

During the scheduling process it is important to understand:

- Schedule change requests to adjust a class period(s) or teacher(s) will not be honored.
- Requests to change a lunch period will only be considered for medical reasons and may require a note from a physician.
- Extenuating circumstances sometimes arise that may necessitate the need to consider a change. All extenuating circumstances will be reviewed by a school counselor and/or an administrator on a case-by-case basis.

## Special Schedule Requests

Students may submit Special Schedule Requests to personalize their course of study while at West Allegheny High School. These special requests should be submitted when students enter their course requests using the ***Special Schedule Requests Form*** and require an electronic parent signature. This will help to ensure that the schedule received on Move Up Day accurately reflects the student's goals for the coming school year.

Special Schedule Request	Who is Eligible?	Description
Independent Study	Seniors & Juniors	The Independent Study program is designed to meet the needs of junior and senior students who have exhausted the options in a particular curriculum area or desire to pursue course work not offered within the available course offerings. Independent Study courses may be considered when a student is on track to meet all requirements for graduation. Independent Study courses cannot replace a required or existing course offered.
ACCELERATE Internship	Seniors & Juniors	Senior and Junior students are welcome to submit a request for an internship. An internship is a highly structured, sustained professional learning experience in which students work closely with an industry professional for a defined period of time at an established workplace to participate in and observe meaningful, practical work related to a student's field of study or career interest. Internships differ from Independent Studies by allowing students the opportunity to apply the learning they have received, gain experience in the workforce, and learn from practicing industry professionals. West Allegheny School District offers several internships on-site and is continuing to develop new internships as interests and needs are identified.
Early Release Late Start	Seniors (Juniors & Sophomores- Dual Enrollment purposes only)	Senior students are eligible for early release or late start based on dual enrollment, employment, or for special circumstances. Only students who are on track for graduation may apply for an Early Release or Late Start. Junior and sophomore students wishing to participate in a dual enrollment program outside of ECIHSA may also be eligible for early release or late start.
Fewer Than Seven Credits	Seniors	Senior students on track to meet all graduation requirements may request to take fewer than seven (7) credits to allow time in their day to participate in an internship or pre-apprenticeship, work, or participate in a dual enrollment program (outside of the ECIHSA program).
Lunch Waiver	All grade levels	Students may apply to waive their lunch period for three or six days, with parent/guardian approval, if they have a schedule conflict, wish to take additional courses, add Keystone Remediation, or include a study hall in their schedule.

Academic Waiver	All grade levels	Certain courses at West Allegheny High School have prerequisites or other academic guidelines made to assure success in a course scheduled for the next year. Course recommendations are determined based on multiple factors including current and past grades and standardized test scores, as well as work ethic and motivation displayed in class (i.e. homework completion, class participation). If a parent/guardian believes that their student can be successful in a course that the student is not recommended for, they may submit a waiver request to administration for review. <b>Submission of an Academic Waiver Request does not guarantee the class will be added or changed.</b>
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### Schedule Change Requests

1. All schedule change requests for the upcoming school year must be submitted via the electronic [Schedule Change Request Form](#) and requires an electronic parent signature. All requests must be submitted by the end of the 2<sup>nd</sup> Friday in June. **No schedule change requests will be honored if received after the 2<sup>nd</sup> Friday in June.**
2. Students must exercise caution before changing/dropping courses to ensure that graduation requirements, future goals, and NCAA requirements (when eligible) are being met.
3. Students must maintain at least 7.00 credits per year unless otherwise permitted by administration through an approved academic plan.
4. The [Schedule Change Request Form](#) may be used for the following reasons: a **computer error and/or to add/drop a class.**
5. Special Request Forms, including academic waiver request, lunch waiver request, early release/late start request, independent study request, request for fewer than seven credits, and/or change of interest/post-secondary goals requires the submission of a physical form (Appendix E).
6. Withdrawal from a course after the midpoint of the first quarter of that course will result in a W for the course, and the W will remain on the student's transcript.

### Repeating Courses

1. Students repeating a class that they failed will get credit upon successful completion of the repeating class. Both the failing grade and passing grade will be reflected on the student's transcript and averaged into the student's GPA.
2. A student who chooses to repeat a course that they had passed will have both courses shown on their transcript and both grades averaged into the GPA. The second successful attempt will count as an elective credit toward West Allegheny graduation requirements.



Scan to access the  
Schedule Change Request Form

## Requirements for Promotion and Graduation

A minimum of 26.25 total credits, as outlined on the following pages, are required to be earned in grades 9-12. It is the student's and parent's responsibility to know the requirements for promotion and graduation and to make plans accordingly. The credits listed below are minimum requirements; however, students are encouraged to take additional credits and/or higher-level courses. *All students are required to schedule and maintain a minimum of 7.00 credits each academic year unless otherwise approved by a principal.*

Minimum Credit Requirements for Promotion for All Students	
In order to be promoted each year, students must pass a minimum number of credits. Listed below is the <u>minimum total number of credits</u> a student must have earned by the end of each grade to be promoted to the next grade level. Opportunities for credit recovery will be available during the summer at a cost to the student.	
9	5.00
10	10.00
11	17.25
Graduation	26.25

These requirements are established by the Pennsylvania Department of Education and the West Allegheny School District. Students and parents are reminded that ALL credits AND requirements must be satisfied upon the completion of a student's senior year to participate in commencement ceremonies. Throughout the following pages, courses may be denoted using one or more of the symbols below.

*	Course weighted on a 4.5 GPA scale
**	Course weighted on a 5.0 GPA scale
⌘	Course eligible for college credit through our Early College in High School Academy (ECIHSA)
⌘⌘	Awaiting final approval from our higher education partner
✓	Course eligible for industry-based credential
c	Course may count toward core course credit required for graduation – see the graduation requirements page for more information
(S)	Semester Course



# Requirements for Promotion and Graduation

## Full-Time West Allegheny Students

Requirement Category	Min Credit	Minimum Course Requirements	4 <sup>th</sup> Year Course Options	
English	4	English 9 or Honors English 9* English 10 or Honors English 10* English 11 or AP English Lang & Comp** Course from 4 <sup>th</sup> Year Course Options	Professional & Technical Com English 12 AP English Lit & Comp** Creative Writing ** AP Research **	Oral Communications ** Classic & Modern Lit ** Film Studies ** Journalism ** <i>Other approved Dual Enroll. ECIHSA courses</i>
Mathematics	4	Algebra 1 Algebra 2 or HEC Algebra 2** Geometry or Honors Geometry Course from 4 <sup>th</sup> Year Course Options	Trigonometry & Precalculus AP Precalculus** Discrete Math Probability & Statistics Personal Finance** AP Statistics** AP Calculus AB** AP Calculus BC**	Intro Data Analy w/Python** AP Comp Sci Principles** AP Computer Science A** Financial Accounting** Managerial Accounting** AP Economics** 2D/3D Game Development** Programming in C# & C++** <i>Other approved Dual Enroll. ECIHSA courses</i>
Science	4	Biology w/Lab or Honors Biology w/Lab* Concept Chem or Honors Chemistry* Concept Physics, Physics, AP Physics 1** Course from 4 <sup>th</sup> Year Course Options	AP Biology** AP Chemistry** AP Physics 2** Forensics Science Honors Anatomy & Physiology* Functional Nutrition & Health ** Environmental Science Virtual Reality** Exercise Science** Environmental Sustainability	Digital Electronics ** Green Energy (WAVA) Health Sciences (WAVA) Forestry & Natrl Res (S1-WAVA) Intro to Astronomy (S-WAVA) Intro to Marine Bio (S-WAVA) Intro to Vet Science (S2-WAVA) <i>Other approved Dual Enroll. ECIHSA courses</i>
Social Studies	4	U.S. History or Honors U.S. History* Amer Gov, Hon Amer Gov*, AP US Gov** World Cultures or AP World History** Course from 4 <sup>th</sup> Year Course Options	Criminal Justice & Invest** AP Psychology** AP U.S. History ** Corrections & Social Issues** Honors Psychology & Sociology* Sociology of Sports (S) Current Affairs (S) Hon Holocaust & Genocide Stud* Hon African Amer & Multicult St* AP Seminar** Business, Law, & Society ** Game Prod & Marketing** Spanish III **	Honors Spanish IV ** AP Spanish Lang & Culture **German III ** Honors German IV** AP German Lang & Culture ** USMC Junior ROTC IV French III (WAVA) Ethnic Studies (S-WAVA) Women's Studies (S-WAVA) Intro to World Religion (S-WAVA) Intro to Military Car (S-WAVA) Intro to Archaeology (S-WAVA) <i>Other approved Dual Enroll. ECIHSA courses</i>
Physical Education	0.5	Physical Education, Competitive Games, Lifelong Fitness, Physical Conditioning, Dance, Dance Company, Lifeguarding Certification*, Exercise Science **, Partners in PE**		
Health	0.5	Health		
Elective	9.25			
State Assessment		Proficient or Advanced on the Algebra I, Biology, and Literature Keystone Exams OR Demonstration of proficiency through an Act 158 pathway		
Career Readiness		Completion of Civics Exam taken during American Government, Honors American Government, or AP US Government & Politics Successful completion of the Career and Education Work Standards Portfolio including Career Seminar requirements Successful completion of Industry Based Learning Experience		
Total Required	26.25			

# Requirements for Promotion and Graduation

## Parkway West CTC Students

Any student who enrolls in a program offered at Parkway West CTC for a minimum of three years, including the senior year, will be required to earn a minimum of three credits of science and social studies, as long as the student meets the minimum required courses for each core academic area. A student who chooses not to re-enroll in a Parkway West program they attended previously would default to the requirements of a non-CTC student. This decision may result in the need to take more than one course in the core areas in a year, limiting elective options. *All students are required to schedule and maintain a minimum of 7.00 credits each academic year.*

Requirement Category	Minimum Credits	Minimum Course Requirements for All Students
English	4	English 9 or Honors English 9* English 10 or Honors English 10* English 11 or AP English Language & Composition** Additional Course from 4 <sup>th</sup> Year Course Options (see page 8)
Mathematics	4	Algebra 1 Algebra 2 or HEC Algebra 2** Geometry or Honors Geometry Additional Course from 4 <sup>th</sup> Year Course Options (see page 8)
Science	3	Biology with Lab or Honors Biology with Lab* Conceptual Chemistry, Honors Chemistry*, or Chemical Properties (PWCTC) Conceptual Physics, Physics, AP Physics 1***, or Principles of Tech (PWCTC)
Social Studies	3	U.S. History, Honors U.S. History*, or US History II (PWCTC) American Gov, Honors American Gov*, AP US Gov & Politics***, or Civics (PWCTC) World Cultures, AP World History***, or World Cultures (PWCTC)
Physical Education	0.5	Physical Education, Competitive Games, Lifelong Fitness, Physical Conditioning, Dance, Dance Company, Lifeguarding Certification*, Exercise Science **, Partners in PE**
Health	0.5	Health
Elective (at Parkway CTC)	12.25	
State Assessment		Proficient or Advanced on the Algebra I, Biology, and Literature Keystone Exams OR Demonstration of proficiency through an Act 158 pathway
Career Readiness		Completion of Civics Exam taken during American Gov, Honors American Gov, AP US Gov & Politics, or Civics (PWCTC) Successful completion of the Career and Education Work Standards Portfolio including Career Seminar requirements Successful completion of Industry Based Learning Experience
TOTAL	26.25	

# Requirements for Promotion and Graduation

## Standardized Assessment Timeline

Part of Career and College Readiness is having the ability to demonstrate mastery of skills and standards. The standardized assessments available to students at West Allegheny High School further develop learning and validate the knowledge gained throughout a student's high school career.

### Summary of Assessments

Algebra Keystone Exam	End of course – Algebra 1 or Conceptual Algebra	Required
Biology Keystone Exam	End of course – Biology or Honors Biology	Required
Literature Keystone Exam	End of course – English 10 or Honors English 10	Required
Civics Exam	Embedded in American Government, Honors American Government, and AP US Government & Politics courses	Required
PSAT 8/9	Mid-October of Freshmen Year	Required
PSAT	Mid-October of Sophomore Year	Required
PSAT/NMSQT	Mid-October of Junior Year	Recommended
SAT	Junior and/or Senior Year	Recommended
ACT	Junior and/or Senior Year	Recommended
ASVAB	Junior and/or Senior Year	Recommended <sub>1</sub>
Advanced Placement (AP) Exams	End of Course – Early May	Required
Industry Certification Exams	Embedded in corresponding courses	Required

1 - Required for students who have not met a Keystone proficiency pathway.

### State Mandated Assessments

<b>Algebra Keystone Exam</b>	End of course (Algebra 1 or Conceptual Algebra)	Required
The Algebra Keystone Exam is an end-of-course state assessment designed to evaluate proficiency in Algebra. As part of the graduation requirements, each student must demonstrate proficiency on the Algebra Keystone Exam, or fulfill one of the other pathways provided, to earn a diploma from West Allegheny (see the <i>State Assessment Graduation Requirement Pathways</i> on the following pages for more details). Each student is provided the opportunity to take the Keystone Exams in May of the year they are taking a Keystone affiliated course. A student who previously completed a Keystone-related course but did not take the Keystone Exam may also participate in testing for graduation purposes. Additionally, any student who has taken a Keystone Exam and did not score Proficient may re-take the exam.		
<b>Biology Keystone Exam</b>	End of course (Biology or Honors Biology)	Required
The Biology Keystone Exam is an end-of-course state assessment designed to evaluate proficiency in Biology. As part of the graduation requirements, each student must demonstrate proficiency on the Biology Keystone Exam, or fulfill one of the other pathways provided, to earn a diploma from West Allegheny (see the <i>State Assessment Graduation Requirement Pathways</i> on the following pages for more details). Each student is provided the opportunity to take the Keystone Exams in May of the year they are taking a Keystone affiliated course. A student who previously completed a Keystone-related course but did not take the Keystone Exam may also participate in testing for graduation purposes. Additionally, any student who has taken a Keystone Exam and did not score Proficient may re-take the exam.		
<b>Literature Keystone Exam</b>	End of course (English 10 or Honors English 10)	Required
The Literature Keystone Exam is an end-of-course state assessment designed to evaluate proficiency in Literature. As part of the graduation requirements, each student must demonstrate proficiency on the Literature Keystone Exam, or fulfill one of the other pathways provided, to earn a diploma from West Allegheny (see the <i>State Assessment Graduation Requirement Pathways</i> on the following pages for more details). Each student is provided the opportunity to take the Keystone Exams in May of the year they are taking a Keystone affiliated course. A student who previously completed a Keystone-related course but did not take the Keystone Exam may also participate in testing for graduation purposes. Additionally, any student who has taken a Keystone Exam and did not score Proficient may re-take the exam.		



<b>Civics Exam</b>	Embedded in American Government & AP US Government & Politics courses	Required
The Civics Exam is an end-of-course assessment, required by the state, designed to evaluate a student's civic knowledge. As part of West Allegheny graduation requirements, every student must complete the Civics Exam, which is embedded within the American Government and AP US Government & Politics curriculum. Most students will complete this exam during their sophomore year of high school. Any student who does not take American Government or AP US Government & Politics while attending West Allegheny High School will be required to complete the Civics Exam prior to being eligible to graduate.		

### National Assessments

<b>PSAT 8/9</b>	Mid-October of Freshman Year	Required
The Preliminary SAT (PSAT) 8/9 measures critical reading skills, math problem-solving skills, and writing skills through three sections: Reading, Writing and Language, and Math. In mid-October, all students in ninth grade take the PSAT 8/9 (fees covered by the District) as part of our Annual Career and College Assessment Day. By assessing the student's current knowledge, the PSAT 8/9 serves as a gauge for college readiness. Early experience with this assessment allows each student to connect to the free resource, Khan Academy, with access to individualized practice.		
<b>PSAT</b>	Mid-October of Sophomore Year	Required
The Preliminary SAT (PSAT) measures critical reading skills, math problem-solving skills, and writing skills through three sections: Reading, Writing and Language, and Math. In mid-October, all students in tenth grade take the PSAT (fees covered by the District) as part of our Annual Career and College Assessment Day. By assessing the student's current knowledge, the PSAT serves as a gauge for college readiness. Early experience with this assessment allows each student to connect to the free resource, Khan Academy, with access to individualized practice.		
<b>PSAT/NMSQT</b>	Mid-October of Junior Year	Recommended
The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is the same exam as the PSAT, but also serves as the National Merit Scholarship Qualifying Test for juniors in a nationwide competition for recognition, awards, and scholarships. The PSAT/NMSQT is available to West Allegheny students in eleventh grade as part of our Annual Career and College Assessment Day in mid-October. Any student who chooses to take the PSAT/NMSQT must register and assume the related costs. Registration links can be found on the College Admissions page of the WAHS website under Guidance. College Board provides fee waivers for juniors taking the PSAT/NMSQT based on federal aid status.		
<b>SAT</b>	Junior and/or Senior Year	Recommended
The SAT is an entrance exam used by many colleges and universities and includes three parts: Reading, Writing and Language, and Math. The exam is scored on a scale from 400-1600. West Allegheny High School offers the SAT School Day in mid-October and March. National test dates are offered at West Allegheny in November and May. Additional national test dates (offered at West Allegheny in November and May) are also offered by SAT and can be found on the College Board website ( <a href="http://www.collegeboard.com">www.collegeboard.com</a> ). Any student who chooses to take the SAT is responsible for the related costs and must register through the College Board ( <a href="http://www.collegeboard.com">www.collegeboard.com</a> ). College Board provides fee waivers for SAT national test dates or fee reductions for SAT school day testing based on federal aid status.		
<b>ACT</b>	Junior and/or Senior Year	Recommended
The ACT is an entrance exam used by many colleges and universities. This test measures a student's ability in English, Mathematics, Reading, Science Reasoning, and Writing (optional) and is scored on a standard scale from 1 to 36. West Allegheny High School offers the ACT School Day in October and March. Additional national test dates are also offered by ACT and can be found on their website ( <a href="http://www.act.org">www.act.org</a> ). It is recommended that any student interested in taking the ACT for admission purposes do so as a junior or early in their senior year. Juniors are also encouraged to take the test. Any student who chooses to take the ACT is responsible for the related costs and must register through ACT ( <a href="http://www.act.org">www.act.org</a> ). ACT provides fee waivers for national test dates (not school day) based on federal aid status.		
<b>ASVAB</b>	Junior and/or Senior Year	Recommended <sub>1</sub>
The "Student" ASVAB (Armed Services Vocational Aptitude Battery) Test is an aptitude test that provides each student with insight into potential career areas that align to the student's strengths. This test provides each student with feedback in four critical areas: Arithmetic Reasoning, Word Knowledge, Paragraph Comprehension, and Mathematics Knowledge. The ASVAB is available to any junior or senior student who wishes to take it during our Annual Career and College Assessment Day in mid-October. After scores are returned to each student, a representative from the Military Entrance Processing Service (MEPS) will return to offer a guided analysis of the results. While this exam is administered by the military, there is no service obligation, scores, or information that will be shared with the military unless requested by the student.		

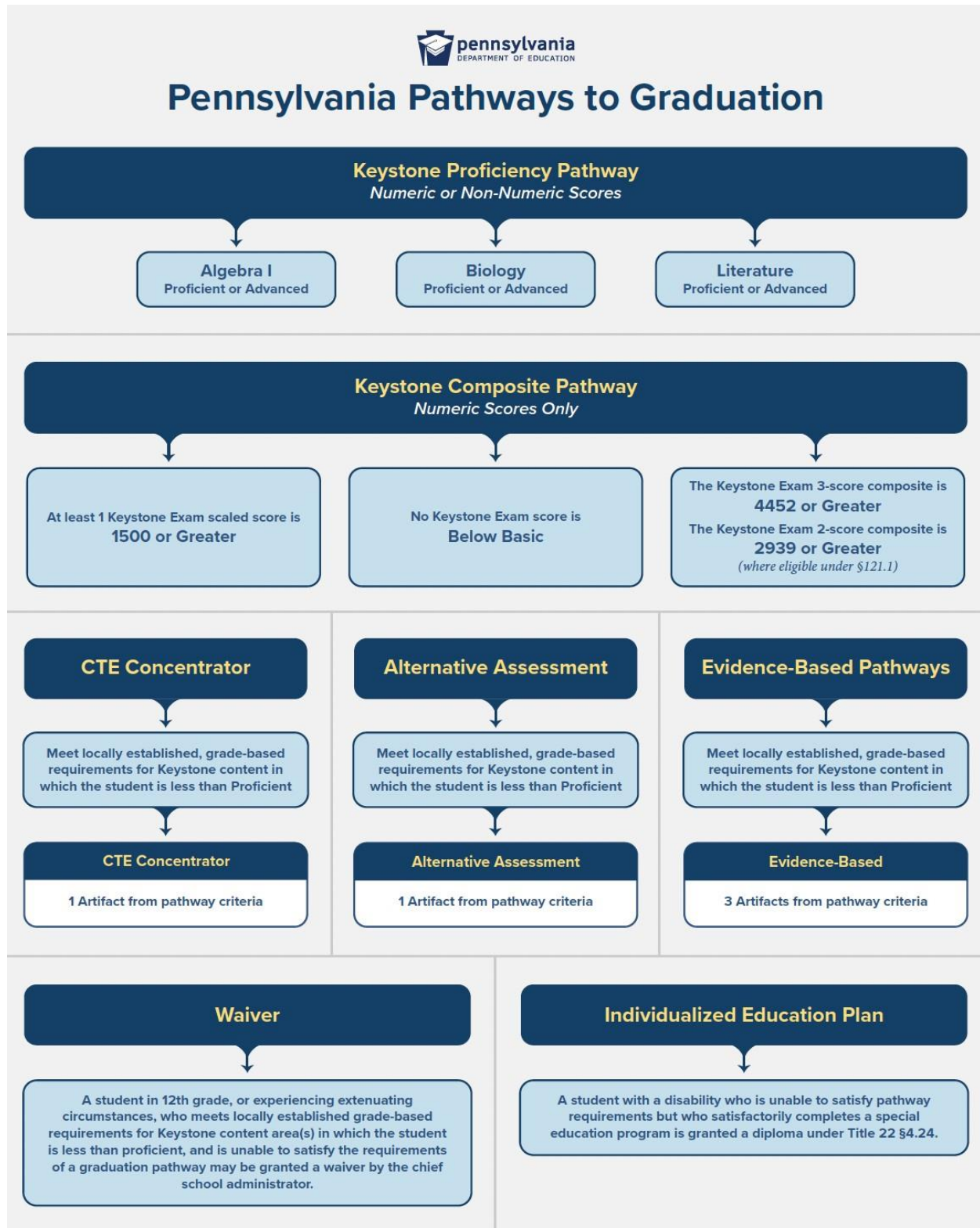
## Course Specific Assessments

Advanced Placement (AP) Exams	End of Course – Early May	Required <sub>2</sub>
<p>West Allegheny High School currently offers 23 Advanced Placement courses aligned to the College Board curriculum (see full list in the Weighted Courses section). These courses are designed to provide students with a rigorous college level course experience while still in high school. Students participating in AP courses are required to take the corresponding AP exam in May (paid for by the district). All AP exams are scored on a scale of 1 – 5. Research shows that students who have completed an AP course and receive at least a 2 on the exam have greater success in their first year of studies after high school. Many colleges and universities accept AP exam scores of 3 or higher for college credit and/or advanced placement into upper-level college courses.</p>		
Industry Certification Exams	Embedded in corresponding courses	Required
<p>Any student who elects to take a course in which an industry credential is available is required to complete the corresponding certification exams throughout the course of the school year. These exams, paid for by the district, provide the student with the opportunity to gain industry credentials while in high school. The testing dates for each certification exam will be set by the instructor of each course.</p>		

# Requirements for Promotion and Graduation

## State Assessment Pathways

In accordance with ACT 158, Pennsylvania's statewide graduation requirements, West Allegheny School District has aligned its graduation requirements to ensure the success of all students. Through one of the five pathways below, students will demonstrate that they are career, college, and community ready as they embark upon their post-secondary plans. All students will engage in the Algebra I, Biology, and Literature Keystone Exams upon completion of the aligned courses. If a student does not meet graduation requirements through the Keystone Proficiency Pathway, a student must meet the requirements through another pathway outlined below. Additional information regarding the five pathways can be found in Appendix B: Pathways to Graduation Guide.



# Pathway Criteria

CTE Concentrator	Alternative Assessment	Evidence-Based
1 Artifact	1 Artifact	3 Artifacts consistent w/student goals  ONE or more from Section One No more than TWO from Section Two
<p>Industry-based competency certification</p> <hr/> <p>Likelihood of industry-based competency assessment success</p> <hr/> <p>Readiness for continued engagement in CTE Concentrator program of study</p>	<p>Attainment of one alternative assessment score or better: ACT (21), ASVAB AFQT (31), PSAT/NMSQT (970), or SAT (1010)</p> <hr/> <p>Attainment of Gold Level or better on ACT WorkKeys</p> <hr/> <p>Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient</p> <hr/> <p>Attainment of 4 or better on IB Exam(s) related to each Keystone content area in which less than Proficient</p> <hr/> <p>Successful completion of concurrent enrollment course(s) related to each Keystone content area in which less than Proficient</p> <hr/> <p>Successful completion of a pre-apprenticeship program</p> <hr/> <p>Acceptance into accredited, non-profit Institution of Higher Education (IHE) 4yr program for college-level coursework</p>	<p><b>Section 1</b></p> <hr/> <p>Attainment of 630 or better on any SAT Subject Test</p> <hr/> <p>Attainment of Silver Level or better on ACT WorkKeys</p> <hr/> <p>Attainment of 3 or better on any AP Exam</p> <hr/> <p>Attainment of 3 or better on any IB Exam</p> <hr/> <p>Successful completion of any concurrent enrollment or postsecondary course</p> <hr/> <p>Industry-recognized credentialization</p> <hr/> <p>Acceptance into accredited, non-profit Institution of Higher Education (IHE) for college-level coursework in an other-than-4yr program</p> <hr/> <p><b>Section 2</b></p> <hr/> <p>Attainment of Proficient or Advanced on any Keystone Exam</p> <hr/> <p>Successful completion of a service-learning project</p> <hr/> <p>Letter guaranteeing full-time employment or military enlistment</p> <hr/> <p>Completion of an internship, externship, or cooperative education program</p> <hr/> <p>Compliance with NCAA Division II academic requirements</p>

# Requirements for Promotion and Graduation

## Career Readiness Graduation Requirements

West Allegheny High School's primary goal is to ensure that every student is career and/or college ready with a viable post-secondary pathway at the time of graduation. This objective is rooted in providing opportunities for each student to develop a deep knowledge of career opportunities and pathways, while allowing for experiences focused on the development of workforce habits and skills. The West Allegheny School Board of Directors has approved career readiness graduation requirements to meet the requirements established by the Pennsylvania Department of Education (PDE) and ensure that all West Allegheny High School graduates are career and/or college ready. This requirement is non-credit bearing and has three parts, which include:

**1) Successful completion of the Civics Exam**

According to PA-Act 35, all students are required to complete a locally developed Civics exam. West Allegheny has embedded this requirement in our American Government, Honors American Government, AP US Government & Politics, and Civics (PWCTC) courses, which are typically taken by students during their sophomore year of high school.

**2) Successful completion of a Career Education and Work Standards portfolio by the end of a student's junior year**

The portfolio consists of 20 artifacts culminating from three grade bands: 3<sup>rd</sup>-5<sup>th</sup>, 6<sup>th</sup>-8<sup>th</sup> and 9<sup>th</sup>-11<sup>th</sup> and will contain artifacts of each strand of the CEW Standards, including work samples, written reflections, and career-focused course work. A student's career portfolio culminates with the completion of eight (8) career artifacts during Advisory and the Career Seminar, which is embedded in World Cultures and AP World History courses during a student's junior year.

**3) Successful completion of one of the Industry Based Learning Indicators by the end of the first quarter of a student's senior year**

All West Allegheny students are required to complete and provide evidence of at least one of the following Industry-Based Learning Indicators by the end of the first quarter of their senior year:

1. Earn an approved industry recognized credential aligned with his/her career path (e.g. ServSafe, Pet First Aid)
2. Participate in a school approved career mentoring experience (e.g. Child Development, JROTC, Future Educators of America)
3. Participate in a substantial service-learning experience offered through the school and in partnership with an approved outside agency (e.g. Stand Together, Students in Action, Varsity iLead)
4. Demonstrate a high likelihood of success on the NOCTI assessment administered through Parkway West Career & Technology Center as measured by the pre-NOCTI scores and/or successful completion of assigned program objectives
5. Complete a work-based learning experience through three (3) job shadow experiences lasting approximately three (3) hours each for a total of nine (9) hours

The Career Readiness Graduation Requirements are outlined in the table below by grade level. Students who do not participate in the identified graduation requirements will be required to complete alternate assignments.

Grade	Requirement	Implementation
9	Post-Secondary Institution Visit	Grade Level Field Trip
9	Freshman Transition Program Activities	Advisory Lesson
9	Career Exploration Activities	Advisory Lesson
10	Civics Exam	Embedded in American Government, Honors American Government, AP US Government & Politics, and Civics (PWCTC) Courses
10	Post-Secondary Institution Visit	Grade Level Field Trip
10	Strengths Explorer Lesson	Advisory Lesson
10	Leadership Inventory	Advisory Lesson
11	Professional Communication Lesson	Advisory Lesson
11	Choosing Wisely: Academic Planning and Career & College Pathways	Advisory Lesson
11	Career Seminar Artifacts (Resume, Cover Letter, Budget Your Life, Entrepreneur Project, Curriculum Vitae)	Embedded in World Cultures and AP World History Courses
9-12	Evidence of successful completion of one of the Industry Based Learning Indicators	Varies by Student



## Early Graduation Guidelines

West Allegheny students must meet the minimum graduation requirements to be eligible for graduation. These requirements include: earning at least 26.25 credits after successfully completing eighth grade, successful completion of core academic courses, demonstrating proficiency in state assessed areas, completion of the Civics Exam, completion of an approved Industry Based Learning (IBL) indicator, and successful demonstration of the Career Education Work (CEW) standards. Completion of these requirements generally occurs over four consecutive school years. All graduation requirements are outlined in the Requirements for Promotion and Graduation section of this Program of Studies.

Any student who wishes to complete the graduation requirements in less than four school years may apply for early graduation as early as the end of their sophomore year of high school given they are on track to meet the following criteria:

- Earning more than 10.00 credits, at least 8.00 through core academic courses
- In good academic standing as demonstrated by a weighted GPA of 3.0 or higher
- Have an attendance rate of 90% or higher for their high school career
- Be without major disciplinary infractions
- Have evidence of a viable post-secondary plan (e.g. on track for acceptance to a 2 or 4 year school, enlistment in one of the armed forces, acceptance to an apprenticeship program)

Any student who meets all of the criteria listed above should begin by scheduling a pre-approval meeting with their school counselor and parents/guardians to discuss if applying for early graduation is appropriate for them. If the decision is made to move forward, the student must submit a written request for review to the high school administration **no later than one semester before the requested early graduation date**. The written request must include:

1. Rationale for applying for early graduation
2. A plan for the successful completion of all graduation requirements
3. A viable post-secondary plan including evidence
4. A timeline for meeting all requirements and requested graduation date

Once received, the high school administration will review for eligibility. If the student is eligible to move forward, the student will be required to meet with the superintendent and/or designee and/or a high school administrator for final approval.

Any student who is granted final approval must submit their evidence of post-secondary plans, maintain good academic standing, attendance, and behavior, and successfully complete all graduation requirements prior to the date agreed upon at their meeting. Once all graduation requirements are met, they will be eligible for graduation. In the event that a student does not meet graduation requirements, they will be moved back to their previous cohort.

If the student is requesting early graduation that aligns with the end of a school year (i.e. graduating in three years instead of four years) and is approved for early graduation, they will be permitted to participate in senior student level activities.

## Grading Scale

The West Allegheny School District utilizes the following grading scale. Quarterly report cards will designate student letter and percentage grades. Student transcripts will only reflect a student's final letter grade for each course. Courses graded as Pass/Fail will be designated with a P or F on both report cards and transcripts.

A 90 – 100%	<b>P</b> - Pass
B 80 – 89%	<b>F</b> - Fail
C 70 – 79%	<b>I</b> - Incomplete (awarded in special circumstances only)
D 60 – 69%	<b>M</b> - Medical (for physical education only)
F 59% and below	<b>W</b> - Withdrawal from a course after the first midterm of the first quarter (will remain on a student's transcript)
	<b>X</b> - Missing a major component of the course that <b>MUST</b> be completed to potentially pass the class. Seniors with an X grade will not be eligible for graduation.

## Grade Point Values and Weighted Courses

Grade Point Average (GPA) will be calculated at the end of each marking period and will be printed on the official transcript. Post-secondary institutions often use the combination of the student's GPA and score on the SAT or ACT along with other selection criteria unique to the institution in making admissions decisions.

West Allegheny High School utilizes a three-tiered point system for weighting classes. Students who earn a letter grade of "A," "B," or "C" in a weighted course will be awarded additional grade points per grading period. The final letter grade will remain the same; only the grade points will change.

The tables below represent the weighted and non-weighted point values for all full credit courses and courses with a lab. Only the point values increase, the credit for each course remains the same. Additionally, the point values are lower for courses that are not a full credit.

Percentages	Grade	AP & ECIHSA Courses	Other Honors Courses	All Other Courses
90-100	A	5.00	4.50	4.00
80-89	B	4.00	3.50	3.00
70-79	C	3.00	2.50	2.00
60-69	D	1.00	1.00	1.00
0-59	F	0	0	0

Percentages	Grade	AP & ECIHSA Courses with a Lab	Other Honors Courses with a Lab	All Other Courses with a Lab
90-100	A	7.50	6.75	6.00
80-89	B	6.00	5.25	4.50
70-79	C	4.50	3.75	3.00
60-69	D	1.50	1.50	1.50
0-59	F	0	0	0

AP – Advanced Placement  
 ECIHSA – Early College in High School Academy  
 HEC – Honors Early College

# Weighted Courses

## Advanced Placement (AP): Weighted on a 5.0 Scale

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The Advanced Placement (AP) Program is a nationally recognized rigorous curriculum sponsored by the College Board. The AP Program provides an opportunity for high school students to choose college level courses and receive undergraduate college credits or advanced standing if their AP Exam scores qualify. Over 90% of colleges in the United States give credit or provide advanced standing to students whose AP Exam scores are acceptable. Please visit [College Board's AP Credit Policy website](#) to view policies regarding colleges awarding credit for AP Exam scores.

AP students will be required to take the AP Exam in May for each corresponding AP course in which they are enrolled. There is no cost to the student to take these exams. If for any reason, however, a student refuses to take any AP Exam(s) for which they are registered, the student will be entirely responsible for the cost of the exam of approximately \$99 plus any additional unused exam fees to West Allegheny School District. Additional fees apply to AP Capstone Seminar and Research Exams in the event that a student refuses to take either of those exams. In addition to student responsibility for these fees, if an AP Exam is not taken, the AP designation will be removed from the corresponding course on the student's transcript and the course weight will be dropped to the 4.5 weighted scale.

West Allegheny High School prepares students for Advanced Placement (AP) Exams in the subjects listed below. All courses followed by a ⌘ are eligible for college credit through our Early College in High School Academy. Additionally, students who elect to participate in the AP Capstone program have the opportunity to earn the AP Capstone Diploma or AP Seminar & Research Certificate. More information about both opportunities can be found on subsequent pages.

### AP Capstone

AP Seminar  
AP Research

### Arts

AP Drawing⌘

### English

AP English Language & Composition⌘  
AP English Literature & Composition⌘

### History and Social Sciences

AP U.S. Government & Politics⌘  
AP Economics⌘  
AP Psychology⌘  
AP U.S. History⌘  
AP World History⌘

### World Language

AP German Language & Culture⌘  
AP Spanish Language & Culture⌘

### STEM

AP Biology⌘  
AP Calculus AB⌘  
AP Calculus BC⌘  
AP Chemistry⌘  
AP Computer Science A⌘  
AP Computer Science Principles  
AP Physics 1⌘  
AP Physics 2⌘  
AP Precalculus⌘  
AP Statistics⌘

## Early College in High School Academy (ECIHTSA) – CCAC: Weighted on a 5.0 Scale

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West Allegheny High School has partnered with the Community College of Allegheny County to offer concurrent enrollment programs that allow students the opportunity to earn college credits through courses taught at the high school by West Allegheny teachers. The Early College in High School Academy (ECIHTSA) offers three concurrent enrollment programs – Multimedia Programming, Simulation, & Gaming Associate Degree, Multimedia Game Simulation Certificate, and Mechatronics Technology Certificate. In total, West Allegheny provides the opportunity through 14 high school courses for students to complete up to 26 CCAC courses allowing for up to 83 CCAC credits to be earned through concurrent enrollment.

### Multimedia Programming, Simulation, & Gaming Associate Degree/ Multimedia

#### Game Simulation Certificate

Introduction to Game Design  
3D Modeling & Animation  
2D/3D Game Development  
Game Production & Marketing  
Virtual Reality  
Intro to Data Analytics with Python  
AP Computer Science A  
Programming in C# & C++

### Mechatronics Technology Certificate

Principles of Technology  
Electrical & Mechanical Systems  
Manufacturing I  
Digital Electronics  
Fluid Systems & Motor Control  
Power Systems

# Weighted Courses

## Early College in High School Academy (ECIHS) – RMU: Weighted on a 5.0 Scale

West Allegheny High School has partnered with Robert Morris University to offer concurrent enrollment programs that allow students the opportunity to earn college credits through courses taught at the high school by West Allegheny teachers. The Early College in High School Academy (ECIHS) offers seven programs – six fast track to Bachelor's Degrees in Business Administration, Cybersecurity, Early Childhood Education, Engineering, Special Education, Criminal Justice/Pre-Law and a General Studies program. In total, West Allegheny provides the opportunity through 37 high school courses for students to complete up to 41 RMU courses allowing for up to 126 RMU credits to be earned through concurrent enrollment.

### Business Administration

Marketing  
Business Management & Leadership  
Business, Law, & Society  
Financial Accounting  
Managerial Accounting  
Sport Management

### Cybersecurity

IT Fundamentals  
Cybersecurity  
Computer Networking

### Criminal Justice and PreLaw

Criminal Justice & Investigations  
Corrections & Social Issues

### Early Childhood Education/Special Education

Partners in Physical Education  
Technology for Aspiring Teachers  
Child Development 1  
Child Development 2  
Partners in Exploring Foods

### Engineering

Introduction to Engineering  
CADD 2  
Engineering Material

### General Studies/Multiple Programs

Honors Early College Algebra 2  
AP Precalculus  
AP Calculus AB  
AP Calculus BC  
AP Statistics  
AP Economics  
AP U.S. Government & Politics  
AP World History  
AP Psychology  
AP U.S. History  
AP English Language & Composition  
AP English Literature & Composition  
Classic & Modern Literature  
Film Studies  
Oral Communications  
AP Biology  
AP Chemistry  
AP Physics 1

## Early College in High School Academy (ECIHS) – SHU: Weighted on a 5.0 Scale

West Allegheny High School has partnered with Seton Hill University to offer concurrent enrollment programs that allow students the opportunity to earn college credits through courses taught at the high school by West Allegheny teachers. The Early College in High School Academy (ECIHS) offers four fast track to Bachelor's Degrees in Art Education, Exercise Science, Global Studies, and Pre-Art Therapy. In total, West Allegheny provides the opportunity through 18 high school courses for students to complete up to 18 SHU courses allowing for up to 49 SHU credits to be earned through concurrent enrollment.

### Art Education and/or Pre-Art Therapy

Honors Art 4  
AP Drawing  
Advanced Ceramics 2

### Exercise Science

Exercise Science  
Functional Nutrition and Health

### Global Studies

Spanish 3  
Honors Spanish 4  
AP Spanish  
German 3  
Honors German 4  
AP German

### General Studies Courses

Creative Writing  
Journalism  
Personal Finance  
Physics 2  
Wind Ensemble  
Show Choir  
Jazz Studies

## Early College in High School Academy (ECIHS) – Rosedale Technical College Auto, Diesel and Skilled Trades: Weighted on a 5.0 Scale

West Allegheny High School has partnered with the Rosedale Technical College to offer seven dual enrollment programs – Automotive Technology Accelerated Associate Degree, Collision Repair Technology Accelerated Associate Degree, Construction Electricity Technology Accelerated Associate Degree, Diesel Technology Accelerated Associate Degree, Industrial Electricity Technology Accelerated Associate Degree, HVAC Technology Accelerated Associate Degree, and Welding Technology Diploma Program. All courses taken through the program will be included on students' WA transcript and be awarded a 5.0 weight. For specific course alignment, please refer to the corresponding program layout.

# Weighted Courses

## Early College in High School Academy (ECIHS) – CCBC Aviation Academy: Weighted on a 5.0 Scale

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West Allegheny High School has partnered with the Community College of Beaver County to offer three dual enrollment programs – Aerospace Management Associate Degree, Air Traffic Controller Associate Degree, and Professional Pilot Associate Degree. All courses taken through the program will be included on the students' WA transcript and be awarded a 5.0 weight. For specific course alignment, please refer to the corresponding program layout.

## Additional Weighted Courses: Weighted on a 4.5 Scale

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### Arts

Band  
Wind Ensemble

### English

Honors English 9  
Honors English 10

### Health & Physical Education

Lifeguarding Certification

### History and Social Sciences

Honors African American & Multicultural Studies  
Honors American Government  
Honors U.S. History  
Honors Holocaust & Genocide Studies  
Honors Psychology & Sociology

### STEM

Honors Anatomy & Physiology  
Honors Biology  
Honors Chemistry  
Honors Geometry



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# WEST ALLEGHENY HIGH SCHOOL

## - Parent Guide to the Road to Readiness



### 8<sup>th</sup> GRADE

GOAL | PREPARE

### FRESHMAN

GOAL | EXPLORE

### SOPHOMORE

GOAL | IDENTIFY

### JUNIOR

GOAL | PLAN

### SENIOR

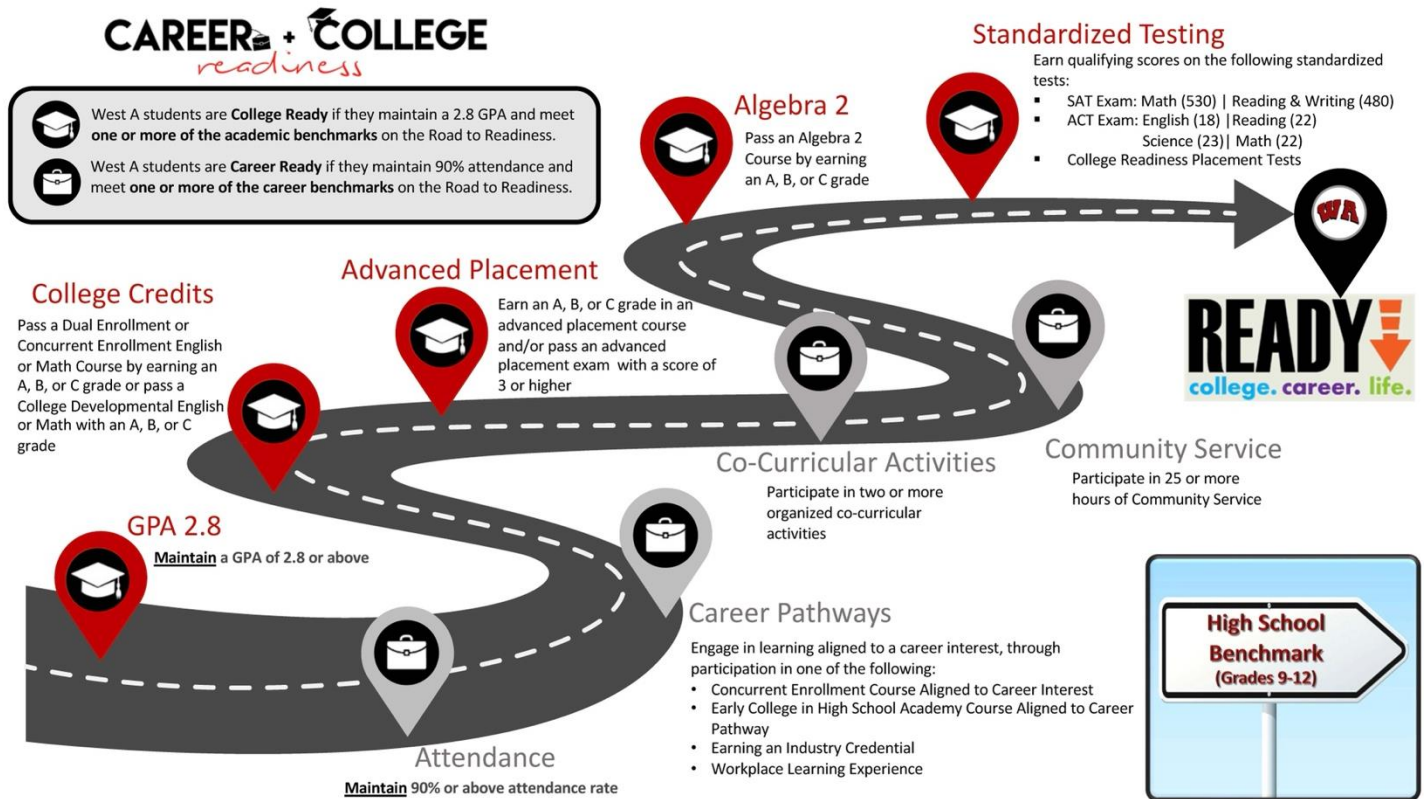
GOAL | DECIDE

<b>Things you should know...</b> <ul style="list-style-type: none"> <li>Graduation Requirements: <ul style="list-style-type: none"> <li>-Keystone Exam <a href="#">Requirement</a></li> <li>-CEW Standards Requirement</li> <li>-<a href="#">IBL Indicator Requirement</a></li> </ul> </li> <li>What are <a href="#">College &amp; Career Pathways</a>?</li> <li>What does Future Ready mean?</li> <li>What is ACCELERATE?</li> <li>What is a high school transcript?</li> </ul>	<b>Graduation Requirements</b> <ul style="list-style-type: none"> <li>Schedule a minimum of 7 credits *</li> <li>Earn at least 5 credits*</li> <li>Complete Keystone Biology Exam *</li> <li>Complete Keystone Algebra 1 Exam (if enrolled in course) *</li> <li>Complete Career Cluster Survey (CEW) *</li> </ul>	<b>Graduation Requirements</b> <ul style="list-style-type: none"> <li>Schedule a minimum of 7 credits *</li> <li>Earn at least 10 credits (cumulative) *</li> <li>Complete Keystone Literature Exam *</li> <li>Complete Keystone Algebra 1 Exam (if enrolled in course) *</li> <li>Complete Civics Exam (embedded in American Government/AP Government) *</li> </ul>	<b>Graduation Requirements</b> <ul style="list-style-type: none"> <li>Schedule a minimum of 7 credits *</li> <li>Earn at least 17.25 credits (cumulative)*</li> <li>Complete Career Seminar (CEW embedded in World Cultures/AP World History) *</li> <li>Confirm all CEWs are completed and documented (Canvas "Class of 202#") *</li> </ul>	<b>Graduation Requirements</b> <ul style="list-style-type: none"> <li>Schedule a minimum of 7 credits *</li> <li>Earn at least 26.25 credits (cumulative)*</li> <li>Confirm IBLs are completed and documented (Canvas "Class of 202#")**</li> </ul>
<b>Career &amp; College Pathway</b> <ul style="list-style-type: none"> <li>Complete Career Interest Inventory &amp; Project (CEW) *</li> <li>Complete Career &amp; College Interest Survey (CEW) *</li> <li><i>Familiarize yourself with the available Early College in High School Academy (ECHSA) programs aligned to your Career/College Pathway **</i></li> <li>Explore the programs available at Parkway West CTC **</li> </ul>	<b>Career &amp; College Pathway</b> <ul style="list-style-type: none"> <li>Register for ECHSA college credits aligned to Career/College Pathway *</li> <li>Visit a 2-year Post-Secondary Institution (CEW) *</li> <li>Complete Career &amp; College Interest Survey (CEW) *</li> <li>Take AP Exams (for enrolled courses) *</li> </ul>	<b>Career &amp; College Pathway</b> <ul style="list-style-type: none"> <li>Register for ECHSA college credits aligned to Career/College Pathway *</li> <li>Attend WAHS Career &amp; College Fair *</li> <li>Complete Strengths Explorer (CEW) *</li> <li>Visit a 4-year Post-Secondary Institution (CEW) *</li> <li>Complete Career &amp; College Interest Survey (CEW) *</li> <li>Explore ECHSA dual enrollment **</li> <li>Take AP Exams (for enrolled courses) *</li> </ul>	<b>Career &amp; College Pathway</b> <ul style="list-style-type: none"> <li>Register for ECHSA college credits aligned to Career/College Pathway *</li> <li>Visit Post-Secondary Institutions +</li> <li>Attend WAHS Career &amp; College Fair *</li> <li>Attend the National College Fair **</li> <li>Participate in the College Workshop *</li> <li>Complete Career &amp; College Interest Survey (CEW) *</li> <li>Explore ECHSA dual enrollment **</li> <li>Take AP Exams (for enrolled courses) *</li> </ul>	<b>Career &amp; College Pathway</b> <ul style="list-style-type: none"> <li>Register for ECHSA college credits aligned to Career/College Pathway *</li> <li>Participate in lessons focused on the college application process **</li> <li>Take AP Exams (for enrolled courses) *</li> </ul>
<b>ACCELERATE (Advancing Career Connections through Experiential Learning &amp; Exposure to Real-world Applications, Training, &amp; Exploration)</b> <ul style="list-style-type: none"> <li>Explore your career and college interests **</li> <li>Complete Virtual Job Shadows (CEW) *</li> </ul>	<b>ACCELERATE</b> <ul style="list-style-type: none"> <li>Participate in Immersive Career Experiences aligned to Career/College Pathway **</li> <li>Review IBL requirements &amp; document evidence (Canvas "Class of 202#") **</li> </ul>	<b>ACCELERATE</b> <ul style="list-style-type: none"> <li>Participate in Immersive Career Experiences aligned to your Career/College Pathway **</li> <li>Review IBL requirements &amp; document evidence (Canvas "Class of 202#") **</li> <li>Complete Leadership Inventory (CEW) *</li> </ul>	<b>ACCELERATE</b> <ul style="list-style-type: none"> <li>Participate in Immersive Career Experiences aligned to your Career/College Pathway **</li> <li>Review IBL requirements &amp; document evidence (Canvas "Class of 202#") **</li> <li>Apply for internships related to goal**</li> </ul>	<b>ACCELERATE</b> <ul style="list-style-type: none"> <li>Participate in Immersive Career Experiences aligned to your Career/College Pathway **</li> <li>Review IBL requirements &amp; document evidence (Canvas "Class of 202#") **</li> <li>Apply for internships related to goal**</li> </ul>
<b>Future Ready</b> <ul style="list-style-type: none"> <li>Complete preliminary 4-year plan of study **</li> <li>Participate in Move Up Day *</li> <li>Engage in exploration/enrichment opportunities such as volunteering (NHS requirement), shadowing, internships **</li> <li>Take the PSAT 8/9 *</li> </ul>	<b>Future Ready</b> <ul style="list-style-type: none"> <li>Review/update 4-year plan of study **</li> <li>Participate in Move Up Day *</li> <li>Engage in exploration/enrichment opportunities such as volunteering (NHS requirement), shadowing, internships **</li> <li>Take the PSAT NSMQT *</li> <li>Review PSAT Score Report and link to Khan Academy **</li> <li>Begin researching post-secondary institutions and review desired college program requirements before scheduling (including NCAA) +</li> </ul>	<b>Future Ready</b> <ul style="list-style-type: none"> <li>Review/update 4-year plan of study **</li> <li>Participate in Move Up Day *</li> <li>Engage in exploration/enrichment opportunities such as volunteering (NHS requirement), shadowing, internships **</li> <li>Take the PSAT NSMQT *</li> <li>Take the SAT/ACT if pursuing college**</li> <li>Take the ASVAB if pursuing military **</li> <li>Continue researching/visiting post-secondary institutions and review desired college program requirements before scheduling (including NCAA) +</li> <li>Research scholarship opportunities +</li> </ul>	<b>Future Ready</b> <ul style="list-style-type: none"> <li>Review/update 4-year plan of study **</li> <li>Participate in Move Up Day *</li> <li>Engage in exploration/enrichment opportunities such as volunteering (NHS requirement), shadowing, internships**</li> <li>Take the PSAT NSMQT *</li> <li>Take the SAT/ACT if pursuing college**</li> <li>Take the ASVAB if pursuing military **</li> <li>Continue researching/visiting post-secondary institutions and review desired college program requirements before scheduling (including NCAA) +</li> <li>Research scholarship opportunities +</li> </ul>	<b>Future Ready</b> <ul style="list-style-type: none"> <li>Declare plans at Senior Celebration *</li> <li>Engage in exploration/enrichment opportunities **</li> <li>Take the SAT/ACT/ASVAB **</li> <li>Meet with an armed forces recruiter if pursuing military +</li> <li>Apply &amp; take necessary exams if pursuing a local trades union +</li> <li>Apply to Post-Secondary Institutions+</li> <li>Request letters of recommendations**</li> <li>Request HS transcripts &amp; arrange to have ECHSA transcripts sent to Post-Secondary institutions **</li> <li>Secondary institutions **</li> <li>Learn about the financial aid process &amp; Complete your FAFSA (Free Application for Federal Student Aid)+</li> <li>Complete the Senior Exit Survey **</li> </ul>

*Suggested items in italics* - \* denotes items that will be completed in school - + denotes a recommendation for students to complete at home with parents/guardians

# West Allegheny High School Career and College Pathways

*The Career and College Road to Readiness* maps out a student's journey through high school, preparing each student to enter and succeed in their post-secondary endeavors without the need for remediation. Throughout the high school experience, students study a rigorous, broad curriculum, preparing them to meet the national Career and College Readiness benchmarks. On the Road to Readiness, students maintain a minimum GPA of 2.8 and maintain 90% attendance while meeting additional milestones. Students develop the skills and knowledge necessary to be successful as they enter their post-secondary Career and College Pathways.



*The Career and College Pathways* are designed to focus student course selections and connect students to a viable career and/or a post-secondary program of study. The six (6) Career and College Pathways are aligned to Pennsylvania's sixteen (16) Career Clusters. During the scheduling process, each student will identify with one or more pathway(s), based on their individual interests, skills, and post-secondary goals. This section of our Program of Studies connects Career and College Pathways with our current course offerings. Career options and recommended courses are outlined in each Career and College Pathway. Information regarding the Holland codes (an interest assessment) and career clusters are available in Appendix A to help connect students to aligned career paths based on strengths and skills.

In addition, students will learn about several careers through career exploration lessons, facilitated by our school counselors, at each grade level using Naviance Family Connection (Appendix A). Students will be provided opportunities to explore resources and interests as well as reflect on experiences that may help each student select their best pathway(s). Students will personalize their course selections, both within and among the pathway(s), to navigate a well-rounded foundation while experiencing a variety of curricular options related to their post-secondary goal(s).

# CAREER & COLLEGE PATHWAYS

The following Career and College Pathways are designed to focus student course selections and connect students to a viable career and/or a post-secondary program of study. The six (6) Career and College Pathways are aligned to Pennsylvania's sixteen (16) Career Clusters. This section of our Program of Studies connects Career and College Pathways with our current course offerings. Career options and recommended courses are outlined in each Career and College Pathway.

1

Arts, Communications  
and Hospitality

2

Business Administration  
and Finance

3

Education, Human and  
Public Services

4

Engineering,  
Manufacturing  
Technology and Trades

5

Health and  
Natural Sciences

6

Information Technology

# ALIGNED PA CAREER CLUSTERS

## Arts, Communications and Hospitality

- Arts, A/V Technology & Communication
- Hospitality & Tourism

1

## Business Administration and Finance

- Business & Administration
- Finance & Insurance
- Marketing Sales & Service

2

## Education, Human and Public Services

- Government & Public Administration
- Law & Public Safety
- Education & Training
- Human Services

3

## Engineering, Manufacturing Tech. and Trades

- Architecture & Construction
- Manufacturing
- Transportation, Distribution, & Logistics
- Scientific Research/Engineering

4

## Health and Natural Sciences

- Health Science
- Agriculture, Food & Natural Resource

5

## Information Technology

- Information Technology

6



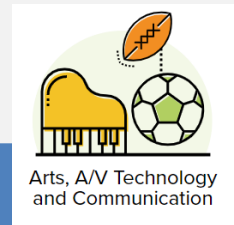


# CAREER AND COLLEGE PATHWAYS

## Arts, Communications and Hospitality

### Associated Careers

- Director - Art, Film, Music, Talent, Media
- Editor - Film, Video, Book, Newspaper
- Performer - Actor/ess, Musician/Singer
- Graphic Design – Arts & Production Technology
- Photographer
- Writer/Author/Journalist
- Fashion Designer
- Broadcasting Technicians - Audio/Video, Sound
- Artist



## Arts, A/V Technology & Communication

### Associated Careers

- Food Service Manager
- Culinary - Chef, Baker, Cook, Waiter
- Athlete
- Travel Agent
- Lodging Manager
- Concierge
- Sport Official
- Housekeeping
- Custodial Worker
- Amusement & Recreation



## Hospitality & Tourism

# Arts, Communications and Hospitality

Example Careers CONNECTED WA PROGRAMS	RECOMMENDED COURSES			
	9	10	11	12
<b>Director</b> (Art, Film, Music, Talent, Media)	Media Arts Tech Theatre: Set Building Tech Theatre: Crew	Business Mgmt & Ldrshp Tech Theatre: Set Building Tech Theatre: Crew	Creative Writing <sup>C</sup> Marketing Tech Theatre: Set Building Tech Theatre: Crew	Film Studies <sup>C</sup> 3D Modeling & Animation Tech Theatre: Set Building Tech Theatre: Crew
<b>Editor</b> (Film, Video, Book, Newspaper)	Media Arts	Yearbook	Creative Writing <sup>C</sup>	Journalism <sup>C</sup> Oral Communications <sup>C</sup> Film Studies <sup>C</sup>
<b>Writer/Author/Journalist</b> AP CAPSTONE DIPLOMA PROGRAM	AI Adventures Honors English 9 <sup>C</sup>	Honors English 10 <sup>C</sup> AP Seminar <sup>C</sup>	AP Eng Lang & Com <sup>C</sup> AP Research <sup>C</sup> Creative Writing <sup>C</sup>	AP Eng Lit & Comp <sup>C</sup> Classic & Modern Lit <sup>C</sup> Oral Communications <sup>C</sup> Film Studies <sup>C</sup> Gothic Literature (WAVA)
<b>Performer</b> (Actor/ess, Musician/Singer)	Band Chorus Dance Guitar Piano	Wind Ensemble Show Choir Dance Company Guitar Piano	Wind Ensemble Show Choir Dance Company Guitar Piano Digital Audio Prod 1 Vocal Studies Jazz Studies	Oral Communications <sup>C</sup> Film Studies <sup>C</sup> Wind Ensemble Show Choir Dance Company Guitar Piano Digital Audio Prod 2 Vocal Studies Jazz Studies Music Apprec (WAVA)
<b>Graphic Design/Arts &amp; Production Technology</b> PARKWAY: GRAPHICS DESIGN & PRODUCTION TECHNOLOGY ECIHS-CCAC: MULTIMEDIA PROGRAMMING, SIMULATION & GAMING	IT Fundamentals Intro to Game Design Art 1 Media Arts Graphic Arts & Production Technology (Pkwy)	3D Modeling & Animation AP Computer Science Prin <sup>C</sup> Art 2 Graphic Arts & Production Technology (Pkwy)	2D/3D Game Develop <sup>C</sup> AP Computer Science A <sup>C</sup> Art 3 Graphic Arts & Production Technology (Pkwy)	Game Prod & Marketing <sup>C</sup> Virtual Reality <sup>C</sup> Programming in C# & C++ <sup>C</sup> Honors Art 4 AP Drawing Graphic Arts & Production Technology (Pkwy)
<b>Artist</b>	Art 1 Media Arts Intro to Game Design AI Adventures	Art 2 Ceramics 1 AP Computer Science A <sup>C</sup> Art Appreciation (WAVA)	Art 3 Advanced Ceramics 2 2D/3D Game Development 3D Modeling & Animation Graphic Dsgn 1&2 (WAVA)	Honors Art 4 AP Drawing DIY Virtual Reality <sup>C</sup>
<b>Technicians</b> (Audio/Video, Sound)	Tech Theater: Set Building Tech Theater: Crew AI Adventures	Tech Theater: Set Design Tech Theater: Crew Digital Audio Prod 1	Tech Theater: Set Design Tech Theater: Crew Digital Audio Prod 2	Film Studies <sup>C</sup> Tech Theater: Set Design Tech Theater: Crew
<b>Food Service/Culinary</b> (Chef, Baker, Cook, Manager, Waiter) PARKWAY: CULINARY ARTS	Culinary Arts (Pkwy)	Marketing Culinary Arts (Pkwy)	Exploring Foods Business Mgmt & Ldrshp Financial Accounting Culinary Arts (Pkwy)	West A Café Managerial Accounting Funct Nutrition & Health <sup>C</sup> Culinary Arts (Pkwy)

The above chart provides recommended elective courses for career fields aligned to the 16 PA Career Clusters. Please keep in mind these are recommendations and not an exhaustive list. In addition to these recommendations, students are required to complete the core course requirements for graduation - 4 courses in each of the 4 core areas unless a student elects to attend PWCTC in which case they must successfully complete 4 courses in English & Math and 3 courses in Science & Social Studies. Courses denoted by <sup>C</sup> count as a core class. Please reference page 6 for a full list of core courses available by grade level in alignment with our graduation requirements.



# CAREER AND COLLEGE PATHWAYS

## Business Administration and Finance

### Associated Careers

- Investment Fund Manager
- Patient Representative
- Human Resources
- Training and Development Specialist
- Chief Executive Officer
- Purchasing Manager
- Analyst - Operation Research, Management, Compensation, Benefits & Jobs, Budget



Business and  
Administration

## Business & Administration

### Associated Careers

- Financial Manager/Advisor
- Actuary
- Budget Analyst
- Insurance Underwriter & Appraiser
- Insurance Claims and Policy Processor
- Loan Officer
- Credit Analyst
- Bank Teller
- Tax Preparer
- Accountant/Auditor



Finance and  
Insurance

## Finance & Insurance

### Associated Careers

- Sales Manager
- Sales Engineer
- Medical Sales
- Real Estate Broker/Agent
- Telemarketer
- Public Relations
- Marketer – Analyst, Manager, Specialist



Marketing Sales and  
Service

## Marketing Sales & Service

# Business Administration and Finance

Example Careers  CONNECTED WA PROGRAMS	RECOMMENDED COURSES			
	9	10	11	12
<b>Analyst</b> (Operation Research, Management, Compensation, Benefits, & Jobs, Budget)  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business AI Adventures	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup> AP Computer Science Prin <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing AP Computer Science A <sup>C</sup> Computer Networking	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Programming in C# & C++ <sup>C</sup> AP Statistics <sup>C</sup> AP Economics <sup>C</sup> Oral Communications <sup>C</sup>
<b>Investment Fund Manager</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing Personal Finance <sup>C</sup>	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp AP Economics <sup>C</sup> Oral Communications <sup>C</sup>
<b>Human Resources</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup>
<b>Financial Manager/Advisor</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing Personal Finance <sup>C</sup>	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup>
<b>Accountant/Auditor</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing Personal Finance <sup>C</sup>	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup>
<b>Actuary</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing Personal Finance <sup>C</sup>	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp
<b>Loan Officer</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup> AP Statistics <sup>C</sup>
<b>Marketing</b> (Analyst, Manager, Specialist)  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business Art 1 Media Arts AI Adventures	Business, Law, & Society <sup>C</sup> Art 2 Graphic Dsgn 1&2 (WAVA)	Financial Accounting <sup>C</sup> Marketing Art 3 3D Modeling & Animation	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup> Honors Art 4 AP Drawing
<b>Sales Engineer</b>  WA-GACC: PRE-APPRENTICESHIP	Elect. & Mech. Sys. Manufacturing 1 IT Fundamentals	Digital Electronics	Power Systems	Fluid System Pre-apprenticeship (through GACC)
<b>Medical Sales</b>  ECIHSA-RMU: BUSINESS	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing AP Biology <sup>C</sup>	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup> Anatomy & Physiology <sup>C</sup>
<b>Patient Representative/Medical Concierge</b>	IT Fundamentals Principles of Business	Business, Law, & Society <sup>C</sup>	Financial Accounting <sup>C</sup> Marketing	Managerial Accounting <sup>C</sup> Business Mgmt & Ldrshp Oral Communications <sup>C</sup>
<b>Sport Manager</b>  ECIHSA-RMU: BUSINESS (SPORT MGMT CONCENTRATION)	Principles of Business Sport Management	Business Mgmt & Ldrshp Marketing	Business, Law, & Society <sup>C</sup> Financial Accounting <sup>C</sup>	Managerial Accounting <sup>C</sup> Oral Communications <sup>C</sup>

The above chart provides recommended elective courses for career fields aligned to the 16 PA Career Clusters. Please keep in mind these are recommendations and not an exhaustive list. In addition to these recommendations, students are required to complete the core course requirements for graduation - 4 courses in each of the 4 core areas unless a student elects to attend PWCTC in which case they must successfully complete 4 courses in English & Math and 3 courses in Science & Social Studies. Courses denoted by <sup>C</sup> count as a core class. Please reference page 6 for a full list of core courses available by grade level in alignment with our graduation requirements.



# CAREER AND COLLEGE PATHWAYS

## Education, Human and Public Services

### Associated Careers

- Legislator
- Financial Examiner
- Postal Service
- Court & Municipal Clerk
- Coroner
- TSA Screener
- Equal Opportunity Representative
- Inspector – Transportation, Aviation, Environmental, Building
- Military



Government and Public Administration

## Government & Public Administration

### Associated Careers

- Lawyer, Judge/Magistrate
- Intelligence Analyst
- Forensic Science Technician
- Firefighter
- Paralegal, Court Reporter
- Fish & Game Warden
- Animal Control
- Security Guard
- Lifeguard
- Examiner, Abstractor, Searcher
- Police Officer, Detective, Criminal Investigator



Law and Public Safety

## Law & Public Safety

### Associated Careers

- Teacher
- Professor
- School Administrator
- Librarian
- Curator
- Interpreter, Translator
- Museum Technician & Conservator
- School & Career Counselor



Education and Training

## Education & Training

### Associated Careers

- Psychologist - Industrial, Clinical, Neuro
- Funeral Home Managers & Morticians
- Therapist - Marriage, Family, Massage
- Counselor - Mental Health/Rehabilitation
- Social Worker
- Loan Officer
- Child Care
- Clergy
- Cosmetologist/Barber/Beautician



Human Services

## Human Services



# Education, Human and Public Services

Example Careers CONNECTED WA PROGRAMS	RECOMMENDED COURSES			
	9	10	11	12
<b>Early Childhood Education</b> ECIHS-A-RMU: EARLY CHILDHOOD EDUCATION	IT Fundamentals	Family & Com Relations Partners in Phys Ed <sup>C</sup>	Child Development 1 Partners in Explor Foods AP Psychology <sup>C</sup> AP Eng Lang & Comp <sup>C</sup>	Child Development 2 Tech for Aspir Teach AP Economics <sup>C</sup> Oral Communications <sup>C</sup>
<b>Special Education</b> ECIHS-A-RMU: SPECIAL EDUCATION	IT Fundamentals	Partners in Phys Ed <sup>C</sup>	Child Development 1 Partners in Exploring Foods AP Psychology <sup>C</sup> AP Eng Lang & Comp <sup>C</sup>	Child Development 2 West A Café Tech for Aspir Teach Oral Communications <sup>C</sup>
<b>General Education</b> AP CAPSTONE DIPLOMA PROGRAM ECIHS-A-RMU: SPECIAL EDUCATION	IT Fundamentals	Family & Com Relations Partners in Phys Ed <sup>C</sup>	Partners in Exploring Foods AP Psychology <sup>C</sup> AP Eng Lang & Comp <sup>C</sup>	Tech for Aspir Teach Oral Communications <sup>C</sup> an AP Science course
<b>Cosmetology</b> (Barber/Beautician) PARKWAY: COSMETOLOGY	Cosmetology (Pkwy)	Cosmetology (Pkwy)	Cosmetology (Pkwy)	Oral Communications <sup>C</sup> Cosmetology (Pkwy)
<b>Criminal Justice Field</b> (Lawyer, Police Officer, Forensic Scientist) PARKWAY: PUBLIC SAFETY TECHNOLOGY AP CAPSTONE DIPLOMA PROGRAM JROTC PROGRAM ECIHS-A-RMU: CYBERSECURITY ECIHS-A-RMU: CRIMINAL JUSTICE & PRELAW	IT Fundamentals JROTC 1 Public Safety Technology (Pkwy)	Cybersecurity JROTC 2 AP US Government <sup>C</sup> Criminal Justice <sup>C</sup> AP Seminar <sup>C</sup> Family & Com Relations Public Safety Technology (Pkwy)	Computer Networking JROTC 3 Corrections & Social Issues <sup>C</sup> Business, Law, & Society <sup>C</sup> AP Research <sup>C</sup> Child Development 1 Public Safety Technology (Pkwy)	JROTC 4 <sup>C</sup> AP Psychology <sup>C</sup> Forensic Science <sup>C</sup> Oral communications <sup>C</sup> Public Safety Technology (Pkwy)
<b>Firefighter/EMS</b> PARKWAY: PUBLIC SAFETY TECHNOLOGY	Public Safety Technology (Pkwy)	Public Safety Technology (Pkwy)	AP Biology <sup>C</sup> Public Safety Technology (Pkwy)	Anatomy & Physiology <sup>C</sup> Public Safety Technology (Pkwy)
<b>Psychologist</b> (Industrial, Clinical, Neuro) AP CAPSTONE DIPLOMA PROGRAM	Principles of Business IT Fundamentals	AP Seminar <sup>C</sup> Partners in Phys Ed <sup>C</sup>	AP Research <sup>C</sup> Child Development 1 AP Biology <sup>C</sup>	AP Psychology <sup>C</sup> Family & Com Relations Anatomy & Physiology <sup>C</sup>
<b>Military</b> JROTC PROGRAM ECIHS-A-RMU: CYBERSECURITY ECIHS-A-RMU: CRIMINAL JUSTICE & PRELAW	JROTC 1 Physical Conditioning IT Fundamentals	JROTC 2 Physical Conditioning Cybersecurity	JROTC 3 Criminal Justice <sup>C</sup> Physical Conditioning Computer Networking	JROTC 4 <sup>C</sup> Corrections & Social Issues <sup>C</sup> Oral Communications <sup>C</sup> Physical Conditioning

The above chart provides recommended elective courses for career fields aligned to the 16 PA Career Clusters. Please keep in mind these are recommendations and not an exhaustive list. In addition to these recommendations, students are required to complete the core course requirements for graduation - 4 courses in each of the 4 core areas unless a student elects to attend PWCTC in which case they must successfully complete 4 courses in English & Math and 3 courses in Science & Social Studies. Courses denoted by <sup>C</sup> count as a core class. Please reference page 6 for a full list of core courses available by grade level in alignment with our graduation requirements.



# CAREER AND COLLEGE PATHWAYS

## Engineering, Manufacturing Technology, and Trades

### Associated Careers

- Civil Engineer
- Architect
- Interior Designer
- Construction Manager/Worker
- Iron & Steel Worker
- Transportation Engineer
- Mason
- Carpenter
- Drafter
- Roofer
- Electrician
- Plumber
- HVAC Technician
- Landscaping & Groundskeeping
- Solar Energy Installation
- Assistant - Plumber, Pipefitter, Steamfitter, Pipelayer



Architecture and Construction

## Architecture & Construction

### Associated Careers

- Power Distributor & Dispatcher
- Industrial Engineer Technologist
- Power/Chemical/Gas Plant Operator
- Welder
- Security & Fire Alarm Systems
- Radio/Cellular/Tower Equipment Installer & Reclamation Worker
- Mechatronics Technologist



Manufacturing

## Manufacturing

### Associated Careers

- Air Traffic Controller
- Aerospace Manager
- Pilot
- Water Vessel Operator
- Railroad Engineers/Operator
- Autobody Collision Repair
- Mass Transit Operator
- Industrial Truck & Tractor Operator
- Automotive & Diesel Technician
- Mechanic - Aircraft, Automotive



Transportation, Distribution, and Logistics

## Transportation, Distribution, & Logistics

### Associated Careers

- Bio Fields - Biofuels, Biodiesel, Biochemist, Biophysicist
- Engineer - Aerospace, Nuclear, Computer, Petroleum, Chemical, Electrical, Robotics, Mechatronics, Energy, Civil, Industrial
- Mathematician/Statistician
- Cartographer
- Urban and Regional Planner
- Environmental Scientist



Scientific Research/Engineering

## Scientific Research/Engineering

# Engineering, Manufacturing Technology and Trades

Example Careers CONNECTED WA PROGRAMS	RECOMMENDED COURSES			
	9	10	11	12
<b>Engineer</b> (Aerospace, Nuclear, Computer, Petroleum, Chemical, Electrical, Robotics, Mechatronics, Energy, Civil, Industrial) ECIHS-RMU: ENGINEERING	Principles of Technology Elect. & Mech. Sys. Manufacturing 1 IT Fundamentals	Intro to Engineering Draw & Design Engr & Arch Marketing	CADD 2 Business Mgmt & Ldrshp Financial Accounting <sup>C</sup> AP Calculus AB <sup>C</sup> AP Physics 1 <sup>C</sup>	Engineering Materials Program in C# & C++ <sup>C</sup> AP Economics <sup>C</sup> AP Calculus BC <sup>C</sup> AP Physics 2 <sup>C</sup>
<b>Mechatronics Technician</b> ECIHS-CCAC: MECHATRONICS TECHNOLOGY	Principles of Technology Elect. & Mech. Sys.	Digital Electronics Manufacturing 1	Power Systems Man Tech 2	Fluid System DIY
<b>Electrician</b> PARKWAY: ELECTRICAL SYSTEMS TECHNOLOGY ECIHS-RTC: CONSTRUCTION ELECTRICITY TECHNOLOGY ECIHS-RTC: INDUSTRIAL ELECTRICITY TECHNOLOGY	Electrical Systems Technology (Pkwy)	Electrical Systems Technology (Pkwy)	Electrical Systems Technology (Pkwy)	ECIHS-RTC: Construction or Industrial Electricity Technology
<b>Welder</b> PARKWAY: WELDING TECHNOLOGY ECIHS-RTC: WELDING TECHNOLOGY	Welding (Pkwy)	Welding (Pkwy)	Welding (Pkwy)	ECIHS-RTC: Welding Technology
<b>HVAC Technician</b> PARKWAY: HVAC/R ECIHS-RTC: HVAC TECHNOLOGY	HVAC/R (Pkwy)	HVAC/R (Pkwy)	HVAC/R (Pkwy)	ECIHS-RTC: HVAC Technology
<b>Automotive Technician</b> PARKWAY: AUTOMOTIVE TECHNOLOGY ECIHS-RTC: AUTOMOTIVE TECHNOLOGY	Automotive Technology (Pkwy)	Automotive Technology (Pkwy)	Automotive Technology (Pkwy)	ECIHS-RTC: Automotive Technology
<b>Autobody Collision Repair</b> PARKWAY: AUTOBODY REPAIR ECIHS-RTC: AUTOMOTIVE TECHNOLOGY	Autobody Repair (Pkwy)	Autobody Repair (Pkwy)	Autobody Repair (Pkwy)	ECIHS-RTC: Collision Repair Technology
<b>Diesel Technician</b> PARKWAY: DIESEL TECHNOLOGY ECIHS-RTC: DIESEL TECHNOLOGY	Diesel Technology (Pkwy)	Diesel Technology (Pkwy)	Diesel Technology (Pkwy)	ECIHS-RTC: Diesel Technology
<b>Air Traffic Controller</b> ECIHS-CCBC: AIR TRAFFIC CONTROLLER	Principles of Business	Cybersecurity Computer Networking	AP English Lang & Comp <sup>C</sup> ECIHS-CCBC: Air Traffic Controller	AP English Lit & Comp <sup>C</sup> ECIHS-CCBC: Air Traffic Controller
<b>Aerospace Manager</b> ECIHS-CCBC: AEROSPACE MANAGEMENT	Principles of Business IT Fundamentals	AP US Government <sup>C</sup> Cybersecurity Marketing Financial Accounting <sup>C</sup>	AP English Lang & Comp <sup>C</sup> Business Mgmt & Ldrshp Managerial Accounting <sup>C</sup> ECIHS-CCBC: Aerospace Manager	AP English Lit & Comp <sup>C</sup> AP Economics <sup>C</sup> Oral Communications <sup>C</sup> ECIHS-CCBC: Aerospace Manager
<b>Pilot</b> (Professional, Commercial, Private) ECIHS-CCBC: PROFESSIONAL PILOT	IT Fundamentals	Cybersecurity Computer Networking	AP English Lang & Comp <sup>C</sup> AP Physics 1 <sup>C</sup> ECIHS-CCBC: Prof Pilot	AP English Lit & Comp <sup>C</sup> ECIHS-CCBC: Prof Pilot
<b>Construction Manager</b>	Construction Cluster (Pkwy)	Carpentry (Pkwy) Business Mgmt & Ldrshp	Carpentry (Pkwy) CCBC: Constr Mgmt AP English Lang & Comp <sup>C</sup> AP Psychology <sup>C</sup> AP Physics 1 <sup>C</sup>	Carpentry (Pkwy) CCBC: Constr Mgmt Oral Communications <sup>C</sup> AP Economics <sup>C</sup>

The above chart provides recommended elective courses for career fields aligned to the 16 PA Career Clusters. Please keep in mind these are recommendations and not an exhaustive list. In addition to these recommendations, students are required to complete the core course requirements for graduation - 4 courses in each of the 4 core areas unless a student elects to attend PWCTC in which case they must successfully complete 4 courses in English & Math and 3 courses in Science & Social Studies. Courses denoted by <sup>C</sup> count as a core class. Please reference page 6 for a full list of core courses available by grade level in alignment with our graduation requirements.



## CAREER AND COLLEGE PATHWAYS

### Health and Natural Sciences

#### Associated Careers

- Doctor
  - Anesthesiologist, Surgeon, Psychiatrist, Physical Therapist
- Nurse (RN)
- Nurse Practitioner
- Licensed Practical Nurse (LPN)
- Physician Assistant
- Surgical Technologist
- Massage Therapist
- Psychiatrist
- Therapist - Physical, Occupational, Music, Art, Radiation, Respiratory
- Speech-Language Pathologist
- Dentist/Orthodontist
- Pharmacist
- Veterinarian/Vet Assistant
- Phlebotomist
- Sports Medicine
- Exercise Science
- Athletic Trainer



### Health Science

#### Associated Careers

- Biological Technician
- Clinical Research Coordinator
- Engineer - Water/Waste Water, Agricultural, Environmental
- Zoologist
- Biological Technician
- Pest Control Worker
- Recyclable Material Collector



### Agriculture, Food & Natural Resource

# Health and Natural Sciences

Example Careers CONNECTED WA PROGRAMS	RECOMMENDED COURSES			
	9	10	11	12
<b>Nurse, Nurse Practitioner, Physician Assistant</b>  AP CAPSTONE DIPLOMA PROGRAM ECIHSA-CCAC: HEALTH SCIENCES PARKWAY: HEALTHCARE OCCUPATIONS TECHNOLOGY	Healthcare Occupations Technology (Pkwy)	AP Biology <sup>C</sup> AP Seminar <sup>C</sup> AP Calculus AB <sup>C</sup> Healthcare Occupations Technology (Pkwy)	AP English Lang & Comp <sup>C</sup> AP Research <sup>C</sup> AP Physics 1 <sup>C</sup> AP Calculus BC <sup>C</sup> AP Psychology <sup>C</sup> Healthcare Occupations Technology (Pkwy)	Oral Communications <sup>C</sup> Anatomy & Physiology <sup>C</sup> AP Chemistry <sup>C</sup> AP Statistics <sup>C</sup> Exercise Science <sup>C</sup> Funct Nutrition & Health <sup>C</sup> Health Sci Prog(CCAC)
<b>Doctor</b>  AP CAPSTONE DIPLOMA PROGRAM ECIHSA-CCAC: HEALTH SCIENCES	Technology Skills	AP Biology <sup>C</sup> AP Seminar <sup>C</sup> AP Calculus AB <sup>C</sup>	AP English Lang & Comp <sup>C</sup> AP Research <sup>C</sup> AP Physics 1 <sup>C</sup> AP Calculus BC <sup>C</sup> AP Psychology <sup>C</sup>	Oral Communications <sup>C</sup> Anatomy & Physiology <sup>C</sup> AP Chemistry <sup>C</sup> AP Statistics <sup>C</sup> Exercise Science <sup>C</sup> Funct Nutrition & Health <sup>C</sup> Health Sci Prog(CCAC)
<b>Licensed Practical Nurse</b>  PARKWAY: HEALTHCARE OCCUPATIONS TECHNOLOGY ECIHSA-CCAC: HEALTH SCIENCES	Healthcare Occupations Technology (Pkwy)	Healthcare Occupations Technology (Pkwy)	Healthcare Occupations Technology (Pkwy)	Funct Nutrition & Health <sup>C</sup> Health Sci Prog(CCAC)
<b>Psychiatrist</b>  AP CAPSTONE DIPLOMA PROGRAM ECIHSA-CCAC: HEALTH SCIENCES	Technology Skills	AP Seminar <sup>C</sup> Partners in Phys Ed <sup>C</sup>	AP Research <sup>C</sup> AP Biology <sup>C</sup> Child Development 1	Partners in Explor Foods <sup>C</sup> AP Psychology <sup>C</sup> Anatomy & Physiology <sup>C</sup> Oral Communications <sup>C</sup> Funct Nutrition & Health <sup>C</sup> Health Sci Prog(CCAC)
<b>Veterinarian/Vet Assistant</b>  PARKWAY: VETERINARY ASSISTANT TECHNOLOGY	Veterinary Assistant Technology (Pkwy)	Veterinary Assistant Technology (Pkwy)	Veterinary Assistant Technology (Pkwy)	AP Biology <sup>C</sup> Veterinary Assistant Technology (Pkwy)
<b>Sports Medicine/ Athletic Trainer</b>  PARKWAY: SPORTS MEDICINE & REHAB THERAPY TECHNOLOGY ECIHSA-CCAC: HEALTH SCIENCES	Sports Medicine & Rehab Therapy Technology (Pkwy)	AP Biology <sup>C</sup> Sports Medicine & Rehab Therapy Technology (Pkwy)	Anatomy & Physiology <sup>C</sup> Sports Medicine & Rehab Therapy Technology (Pkwy)	Exercise Science <sup>C</sup> Funct Nutrition & Health <sup>C</sup> Health Sci Prog(CCAC)
<b>Clinical Research Coordinator</b>  AP CAPSTONE DIPLOMA PROGRAM	Technology Skills	AP Seminar <sup>C</sup> Family & Com Relations	AP Research <sup>C</sup> AP Psychology <sup>C</sup> Creative Writing <sup>C</sup>	AP Chemistry <sup>C</sup> AP Biology <sup>C</sup> Journalism <sup>C</sup>

The above chart provides recommended elective courses for career fields aligned to the 16 PA Career Clusters. Please keep in mind these are recommendations and not an exhaustive list. In addition to these recommendations, students are required to complete the core course requirements for graduation - 4 courses in each of the 4 core areas unless a student elects to attend PWCTC in which case they must successfully complete 4 courses in English & Math and 3 courses in Science & Social Studies. Courses denoted by <sup>C</sup> count as a core class. Please reference page 6 for a full list of core courses available by grade level in alignment with our graduation requirements.

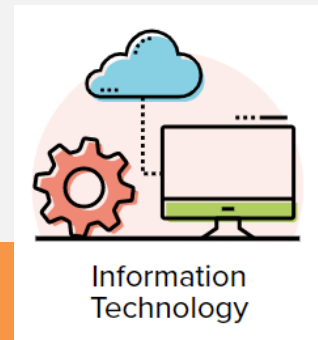


## CAREER AND COLLEGE PATHWAYS

### Information Technology

#### Associated Careers

- Computer Programmer
- Multimedia Game Designer/Programmer
- Cybersecurity & Networking Technologist
- Computer Network Architect
- Computer Systems Engineer
- Computer Network Support
- Web Administrator & Designer/Developer
- IT Project Manager
- Search Marketing Strategist
- Telecommunications Engineer Specialist
- Analyst -Information Security, Computer Systems, Intelligence, Cybersecurity



## Information Technology



# Information Technology

Example Careers CONNECTED WA PROGRAMS	RECOMMENDED COURSES			
	9	10	11	12
<b>Cybersecurity Analyst</b> ECIHS-A-RMU: CYBERSECURITY	AI Adventures IT Fundamentals AP Computer Science Prin <sup>C</sup>	Cybersecurity Intro to Data Analytics <sup>C</sup> AP Computer Science A <sup>C</sup>	Computer Networking Criminal Justice <sup>C</sup>	Corrections & Social Issues <sup>C</sup> Programming in C# & C++ <sup>C</sup> AP Economics <sup>C</sup>
<b>Multimedia Game Designer/Programmer</b> ECIHS-A-CCAC: MULTIMEDIA PROGRAMMING, SIMULATION & GAMING	IT Fundamentals Intro to Game Design Art 1 Media Arts AI Adventures	3D Modeling & Animation AP Computer Science Prin <sup>C</sup> Art 2 Ceramics 1	2D/3D Game Develop <sup>C</sup> AP Computer Science A <sup>C</sup> Art 3 Advanced Ceramics 2	Game Prod & Marketing <sup>C</sup> Virtual Reality <sup>C</sup> Programming in C# & C++ <sup>C</sup> Honors Art 3AP Drawing
<b>Cybersecurity &amp; Networking Technologist</b> ECIHS-A-RMU: CYBERSECURITY PARKWAY: CYBER SECURITY & NETWORKING TECHNOLOGY	AI Adventures IT Fundamentals AP Computer Science Prin <sup>C</sup> Cyber Security & Networking Technology (Pkwly)	Cybersecurity AP Computer Science A <sup>C</sup> Cyber Security & Networking Technology (Pkwly)	Computer Networking Criminal Justice <sup>C</sup> Intro to Data Analytics <sup>C</sup> Cyber Security & Networking Technology (Pkwly)	Corrections & Social Issues <sup>C</sup> Programming in C# & C++ <sup>C</sup> AP Economics <sup>C</sup> Cyber Security & Networking Technology (Pkwly)
<b>Web Administrator/Designer /Developer</b> ECIHS-A-CCAC: MULTIMEDIA PROGRAMMING, SIMULATION & GAMING	IT Fundamentals AP Computer Science Prin <sup>C</sup> Intro to Game Design Art 1 Media Arts AI Adventures	Computer Networking 3D Modeling & Animation AP Computer Science A <sup>C</sup> Art 2	2D/3D Game Develop <sup>C</sup> Art 3	Game Prod & Marketing <sup>C</sup> Virtual Reality <sup>C</sup> Programming in C# & C++ <sup>C</sup> Honors Art 4 AP Drawing
<b>Computer Programmer</b> ECIHS-A-CCAC: MULTIMEDIA PROGRAMMING, SIMULATION & GAMING	IT Fundamentals AP Computer Science Prin <sup>C</sup> Intro to Game Design AI Adventures	Cybersecurity AP Computer Science A <sup>C</sup> 3D Modeling & Animation	Computer Networking Intro to Data Analytics <sup>C</sup> 2D/3D Game Develop <sup>C</sup>	Programming in C# & C++ <sup>C</sup> Game Prod & Marketing <sup>C</sup> Virtual Reality <sup>C</sup>
<b>Information Technology Project Manager</b> ECIHS-A-RMU: CYBERSECURITY	IT Fundamentals Principles of Business AP Computer Science Prin <sup>C</sup> AI Adventures	Cybersecurity Business Mgmt & Ldrshp AP Computer Science A <sup>C</sup>	Computer Networking Criminal Justice <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Corrections & Social Issues <sup>C</sup> Programming in C# & C++ <sup>C</sup> Business, Law, & Society <sup>C</sup>
<b>Intelligence Analyst</b> ECIHS-A-RMU: CYBERSECURITY ECIHS-A-RMU: CRIMINAL JUSTICE & PRELAW	IT Fundamentals Principles of Business AP Computer Science Prin <sup>C</sup> AI Adventures	Cybersecurity AP Computer Science A <sup>C</sup> Business, Law, & Society <sup>C</sup>	Computer Networking Criminal Justice <sup>C</sup> Intro to Data Analytics <sup>C</sup>	Corrections & Social Issues <sup>C</sup> Programming in C# & C++ <sup>C</sup> AP Economics <sup>C</sup>

The above chart provides recommended elective courses for career fields aligned to the 16 PA Career Clusters. Please keep in mind these are recommendations and not an exhaustive list. In addition to these recommendations, students are required to complete the core course requirements for graduation - 4 courses in each of the 4 core areas unless a student elects to attend PWCTC in which case they must successfully complete 4 courses in English & Math and 3 courses in Science & Social Studies. Courses denoted by <sup>C</sup> count as a core class. Please reference page 6 for a full list of core courses available by grade level in alignment with our graduation requirements.

## Summary of Programs

West Allegheny High School offers a multitude of programs designed to connect students to viable career and college pathways; supporting our students while earning their high school diploma and beyond. Through our varied programs and course offerings, we believe we can fulfill our mission to ensure our students develop the knowledge and skills needed to be prepared for employment and life-long learning as they become responsible citizens of our global world.

Each of the programs listed throughout this section have been designed to support students as they plan for their next steps beyond West Allegheny High School. These programs include the AP Capstone Diploma Program, **25** Early College in High School Academy programs with our **5** higher education partners (Community College of Allegheny County: 3 concurrent enrollment programs and **1** dual enrollment program, Robert Morris University: 7 concurrent enrollment programs, Seton Hill University: **4** concurrent enrollment programs, Community College of Beaver County: **3** dual enrollment programs, Rosedale Technical College: **7** dual enrollment programs), **16** Parkway West Career & Technology Center programs, West Allegheny Learning Center, West Allegheny Virtual Academy, and **2** Early College in High School Academy programs for students with disabilities through CCAC in Food Service and Environmental Services/Janitorial.



**PATHWAYS TO SUCCESS**



### COLLEGIATE PREPARATORY

- Advanced Placement
- Advanced Placement Capstone Diploma Program
- Concurrent Enrollment Programs
- Dual Enrollment Programs

### ECIHS

- Concurrent Enrollment

- Art Education (SHU)
- Business Admin (RMU)
- Criminal Justice and Pre-Law (RMU)
- Cybersecurity (RMU)
- Early Childhood Education (RMU)
- Engineering (RMU)
- Exercise Science (SHU)
- General Studies (RMU)
- Global Studies (SHU)
- Mechatronics (CCAC)
- Multimedia Game Simulation (CCAC)
- Pre-Art Therapy (SHU)
- Special Education (RMU)

### ECIHS

- Dual Enrollment

- Aviation (CCBC):
  - Aerospace Mgmt.
  - Professional Pilot
  - Air Traffic Controller
- Health Sciences (CCAC):
  - Nursing
- Auto/Diesel & Trades (RTC):
  - Automotive
  - Collision Repair
  - Construction Electricity
  - Diesel Technology
  - Industrial Electricity
  - HVAC
  - Welding

### CAREER & TECH ED

- Concurrent Enrollment

- Parkway West CTC:
  - Automotive Cluster
  - Auto Body Repair
  - Automotive Tech.
  - Diesel Tech.
  - Power Motorsports
  - Construction Cluster
  - Carpentry
  - Electrical Systems
  - HVAC/R
  - Welding & Fab
  - Cyber Sec & Ntwk
  - Graphic Design
  - Cosmetology
  - Culinary Arts
  - Health Occ. Tech.
  - Public Safety Tech.
  - Sports Med/Rehab
  - Vet Tech.

### ALTERNATIVE ED PROGRAMS

- ACCELERATE Internships
- Work Study
- Work Force Development Program for Students w/ Disabilities (CCAC)
- WA Virtual Academy (WAVA)
- WA Learning Center (WALC)

### Arts, Communications and Hospitality

PA Career Clusters: ◀ Arts, A/V Technology & Communication ◀ Hospitality & Tourism

### Business Administration and Finance

PA Career Clusters: ◀ Business & Administration ◀ Finance & Insurance ◀ Marketing Sales & Service

### Education, Human and Public Services

PA Career Clusters: ◀ Government & Public Administration ◀ Law & Public Safety ◀ Human Services ◀ Education & Training

### Engineering, Manufacturing Technology and Trades

PA Career Clusters: ◀ Architecture & Construction ◀ Manufacturing ◀ Transportation, Distribution, & Logistics ◀ Scientific Research/Engineering

### Health and Natural Sciences

PA Career Clusters: ◀ Health Science ◀ Agriculture, Food & Natural Resource

### Information Technology

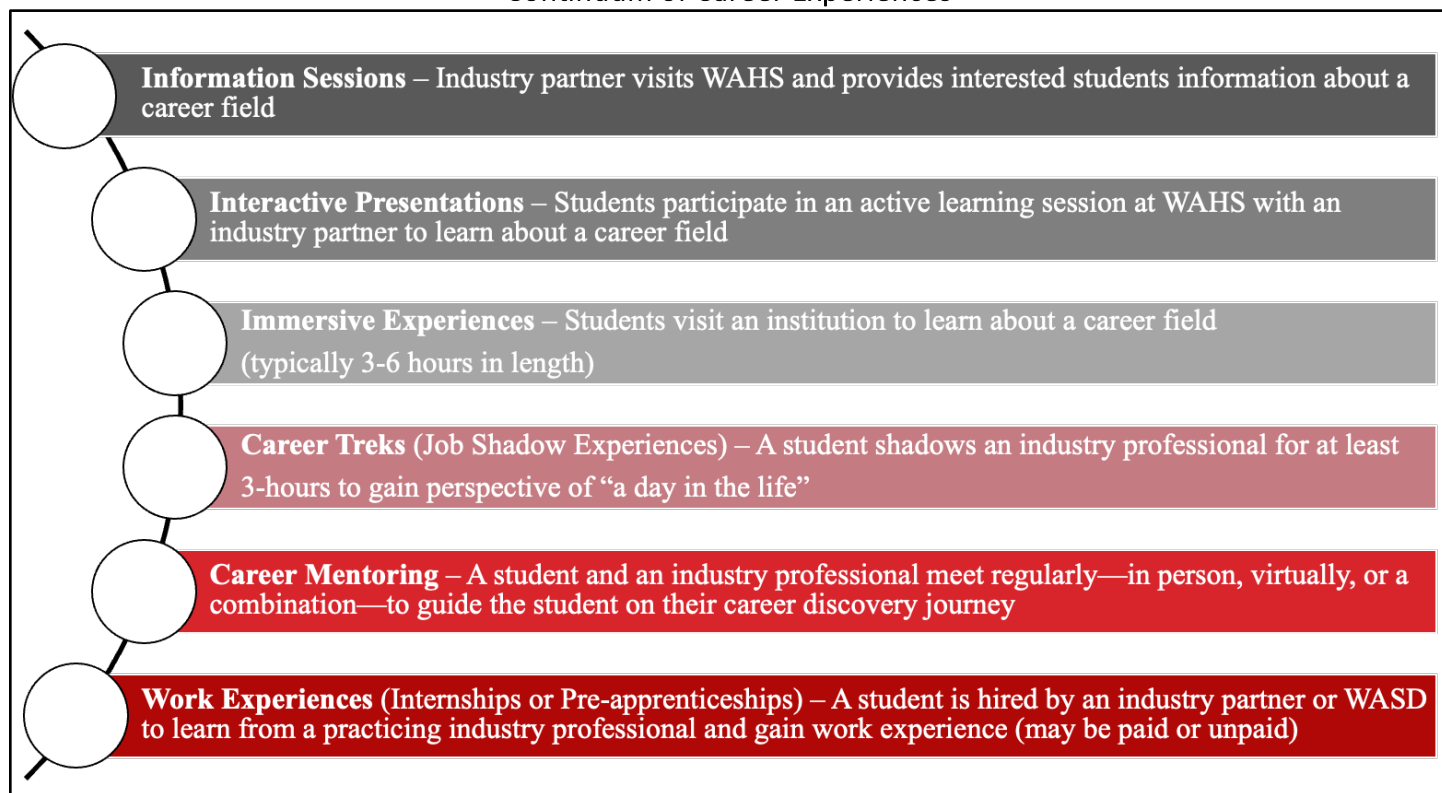
PA Career Clusters: ◀ Information Technology

# ACCELERATE

Advancing Career Connections through Experiential Learning & Exposure to Real-world Application, Training, & Exploration

West Allegheny School District is dedicated to preparing every student to be career & college-ready with a viable post-secondary plan upon graduation. To support this goal, a diverse portfolio of course offerings has been strategically developed and aligned to high-demand and high-interest career fields. Beyond providing students with advanced coursework, West Allegheny students are provided an additional layer of support on their quest to find a career pathway for their future. Our ACCELERATE program provides a continuum of experiences for our students to engage with career exposure, exploration, and work experiences, demystifying the career fields in which our students have expressed interest.

## Continuum of Career Experiences



## Career Mentoring

Career mentoring is a dynamic and impactful relationship where a seasoned industry professional offers their expertise, insights, and guidance to a student who is navigating the early stages of their career. This partnership is designed to be flexible and accommodating, allowing meetings to occur in person, virtually, or through a blend of both methods, ensuring accessibility and convenience for both parties involved. Students benefit from the mentor’s wealth of experience, gaining clarity and confidence in their career choices. They learn to set realistic goals, make informed decisions, and develop strategies to overcome potential challenges. Regular interactions with the mentor help the student to refine their interests and align their academic pursuits with their professional aspirations.

Students entering their junior or senior year will have the opportunity to apply to be a member of CNX’s Mentorship Academy during the scheduling process. For more information, please talk with your school counselor.

## Work Experience through Internships

One of the most beneficial components of the ACCELERATE program are internships. An internship is a highly structured, sustained professional learning experience in which students work closely with an industry professional for a defined period of time at an established workplace to participate in and observe meaningful, practical work related to a student's field of study or career interest. Gaining real-world experience through an internship during high school can provide numerous benefits to students. By participating in an internship, students have the opportunity to explore potential career paths, develop valuable skills, and build a professional network. Internships allow students to apply what they have learned in the classroom to practical, hands-on situations, providing a deeper understanding of their field of interest. Additionally, internships can help students stand out on college applications and resumes, showing future employers and admissions officers their commitment to their chosen field. More information about internships can be found in the [ACCELERATE Handbook](#).

## Delineating between Internships and Independent Studies

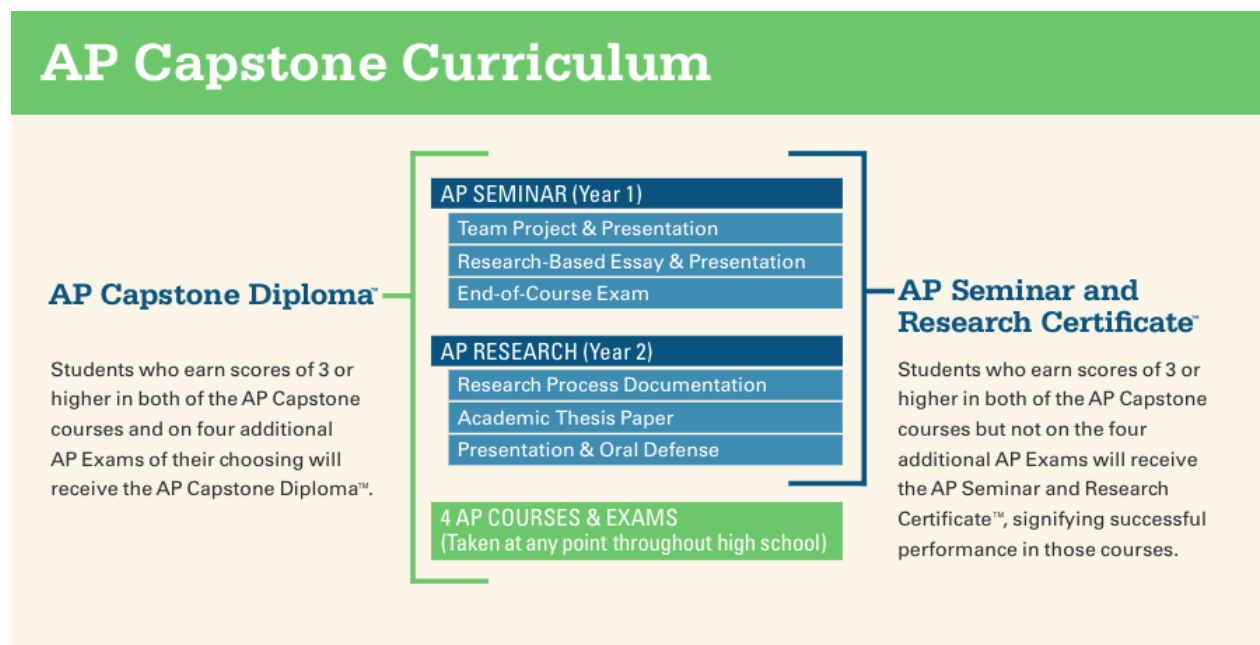
The Independent Study Program is designed to meet the needs of junior and senior students who have exhausted the options in a particular curriculum area or desire to pursue coursework not offered within the available course offerings. An Independent Study is an academic course developed between a student and teacher and approved by a high school administrator. To be eligible for an Independent Study, a student must be on track to meet all requirements for graduation. Independent Study courses cannot be taken in place of a required or existing course.

Internships differ from Independent Studies by allowing students the opportunity to apply the learning they have received, gain experience in the workforce, and learn from practicing industry professionals. West Allegheny School District offers several internships on-site and is continuing to develop new internships as interests and needs are identified. Additionally, West Allegheny partners with local businesses to develop internship opportunities for students. Starting in the 2025-26 school year, senior and junior students can submit a Student Internship Proposal for consideration during the scheduling window.



# AP Capstone Diploma Program

AP Capstone™ is a College Board Program that equips students with the independent research, collaborative research, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions. West Allegheny students have the ability to earn an AP Capstone Diploma and/or an AP Seminar and Research Certificate. The graphic below explains the requirements for both options within the AP Capstone Program and the AP course offerings available.



## West Allegheny High School Advanced Placement Course Offerings

### AP Capstone

AP Seminar  
AP Research

### Arts

AP Drawing

### English

AP English Language & Composition  
AP English Literature & Composition

### History & Social Science

AP U.S. Government & Politics  
AP Economics  
AP Psychology  
AP World History  
AP United States History

### Math, Science, & Technology

AP Biology  
AP Calculus AB  
AP Calculus BC  
AP Chemistry  
AP Computer Science Principles  
AP Computer Science A  
AP Physics 1  
AP Physics 2  
AP Precalculus  
AP Statistics

### World Languages

AP Spanish Language & Culture  
AP German Language & Culture



## Parkway West Career & Technology Center Programs and Industry Certifications



Parkway West Career & Technology Center (CTC) currently offers sixteen different programs, most of which include the option to earn workforce certification. Students who choose to attend Parkway West CTC will spend five periods at West Allegheny High School to complete their core course requirements as well as their lunch period and four periods at Parkway West CTC to complete their elective credits. Students who successfully complete a program at Parkway West CTC as part of the fulfillment of West Allegheny graduation requirements will receive a West Allegheny High School diploma as well as a certificate of completion from Parkway West CTC. The sixteen program options and possible workforce industry certifications are listed below. A more detailed description of each program can be found in the course description section of this document.

### PROGRAMS AND POSSIBLE INDUSTRY CERTIFICATIONS

Automotive Cluster*		
*Automotive Cluster is for first year students. These students will spend 9 weeks in each of the four programs offered in the Automotive Cluster: Auto Body Repair, Automotive Technology, Diesel Technology, and Power Motor Sports Technology. Students will then choose a concentration program after their first year.		
Auto Body Repair		
Possible Workforce Industry Certifications		
PPG Blue Level Certificate (one of two secondary schools in the U.S.) SP/2 Mechanical Safety Certificate SP/2 Collision Pollution Prevention Certificate SP/2 Collision Safety Certificate	SP/2 Heavy Duty Fleet Safety Certificate SP/2 Supervisors Course Certificate Pro Spot-Welding System; Hybrid Spot – Resistance Spot Welder PPG EHP Overview	PA Skills Certificate Fuser Repair Adhesives 002 Bumper Repair, 003 Composite Repair & Bonding and 006 Sealing & Sound Control
Program Description		
The Auto Body Repair Program is certified by the National Automotive Technology Education Foundation (NATEF) and provides instruction in the most current techniques for repair and replacement of damaged automobile parts. Students learn to repair collision damage and to replace quarter panels, door skins, and fenders. The curriculum also includes painting, MIG welding, collision repair, frame straightening, and damage analysis. Students gain experience in mixing and tinting paint, custom painting, computerized estimating, and auto detailing. Practical experience is also provided through a full-service auto-body repair shop. Students have the opportunity to earn PPG Blue Level Paint and I-Car MIG Welding certifications. They are also eligible to earn I-CAR Points.		
Articulation Agreements: Ohio Technical College & Pennsylvania College of Technology		
Automotive Technology		
Possible Workforce Industry Certifications		
MACS Section 609 Certificate SP/2 Mechanical Safety Certificate	SP/2 Collision Safety Certificate PA State Inspection Certificate	PA State Emissions Inspection Certificate PA Skills Certificate
Program Description		
The Automotive Technology Program is certified by the National Automotive Technology Education Foundation (NATEF) and affiliated with all the major automotive manufacturers through Automotive Youth Educational Systems (AYES). Students prepare to take the Pennsylvania State Inspection License examination. Students learn basic vehicle maintenance, repair, and replacement of drive trains, brake systems, chassis components, and fuel electrical systems. Special emphasis is placed on troubleshooting engine performance via the use of state-of-the-art electronic diagnostic equipment. Practical experience is also provided in the auto repair shop. Under the AYES apprenticeship program, students may qualify to become apprentices working under mentor master technicians. Students can earn certifications from AYES, the National Institute for Automotive Service Excellence (ASE) and the Coordinating Committee for Automotive Repair (CCAR).		
Articulation Agreements: CCAC (STAR Articulation), Ohio Technical College, Rosedale Technical College & University of Northwestern Ohio		
Diesel Technology		
Possible Workforce Industry Certifications		
PA State Inspection	Forklift Operator	SP/2 Mechanical Safety Certification
Program Description		
The Diesel Technology program is certified by the National Automotive Technician's Education Foundation (NATEF). In Diesel Technology, students will learn basic vehicle maintenance, repair and replacement of drivetrains, brake systems, chassis components, and fuel and electric systems. The program also focuses on shop basics such as safety, proper tool and equipment usage, and shop operating principles. The program also helps students prepare to take the Pennsylvania State Inspection License examination. Special emphasis is placed on troubleshooting and engine performance via the use of state-of-the-art electronic diagnostic equipment.		
Articulation Agreements: Rosedale Technical College & Robert Morris University		



<b>Power Motorsports Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
PA Emissions Certificate	S/P2	OSHA 10
<b>Program Description</b>		
Power Motorsports Technology teaches students to diagnose, maintain and repair utility vehicles, all-terrain vehicles, including side-by-sides, motorcycles, watercrafts as well as outdoor power machines, including lawn and garden equipment. Students will learn the principles of engine operation, understand basic electricity, service and maintain fuel and carburetor systems, transmissions, and powertrain systems used on various types of recreational and lawn & garden equipment.		
<b>Articulation Agreements: Harrisburg Area Community College &amp; Triangle Tech</b>		

<b>Cosmetology</b>		
<b>Possible Workforce Industry Certifications</b>		
PA Licensed Cosmetologist PA Licensed Nail Technician Certificate	PA Licensed Cosmetology Instructor License SP2	OSHA Certification Barbicide Certification
<b>Program Description</b>		
The Cosmetology Program prepares students to perform technical services, including all aspects of hair, skin/nail beautification, and personal maintenance. These skills are supported and reinforced with theoretical background including sanitation, chemistry, anatomy and physiology, as well as structure, function and disorders of the hair, skin, nails and scalp. This program helps students develop into well rounded professionals who practice real-world services in Parkway's salon, which is open to the public two days a week. Utilizing an integrated approach to teaching and learning, students learn about interpersonal relations, professional attitude, and career fundamentals along with technical knowledge and skills. Techniques and abilities are practiced and tested on mannequins, classmates, and the public. Students who attend this program for three to four years will have the opportunity to earn the 1,250 hours of instruction required to take the licensing exam to earn the PA Cosmetologist License, which is a requirement for practicing as a cosmetologist in the state. Students who take one or two years of instruction in this program may earn a specialized Nail Technician License. This license requires 200 hours of instruction and can be completed within one year. An individual holding a nail technician license is qualified to perform nail technology services only. Students may also earn the Cosmetology Teacher License which requires a prerequisite of having successfully passed at least one of the above licensures. This license requires 500 hours of required studies and can be completed within one year. An individual holding a teacher's license is qualified to perform the functions of a teacher in whichever specialized area the individual has obtained licensure.		
<b>Articulation Agreements: CCAC &amp; Douglas Education Center</b>		

<b>Culinary Arts</b>		
<b>Possible Workforce Industry Certifications</b>		
ServSafe Certificate CPR Certificate	ACF Certified Fundamental Cook S/P 2 Culinary	OSHA Food Service Certification PA Skills Certificate
<b>Program Description</b>		
Culinary Arts provides practical instruction in the preparation of banquet, buffet and a la carte styles of food preparation. Practical experience is provided through the operation and management of the in-house, full-service Restaurant. Students also provide goods and services for the Food Store, where pastries, sandwiches and other food items are sold. Students learn to design cakes and prepare many different types of cuisine. Senior students who have completed at least two years of Culinary Arts will have the opportunity to earn both the National Restaurant Associations, ServSafe certification and the American Culinary Federation certification. Other certifications that can be earned from the Culinary Arts program include OSHA 10 Culinary, SP2, Heart Saver CPR, and Heart Saver First Aid.		
<b>Articulation Agreements: CCAC (STAR Articulation)</b>		

<b>Construction Technology Cluster*</b>		
*Construction Technology Cluster is for first year students. These students will spend 9 weeks in each of the four programs offered in the Construction Technology Cluster: Carpentry, Electrical Systems Technology, Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R), and Welding and Fabrication Technology. Students will then choose a concentration program after their first year.		
<b>Carpentry</b>		
<b>Possible Workforce Industry Certifications</b>		
OSHA 10 Hour Certificate	NCCER	PA Skills Certificate
<b>Program Description</b>		
A student in the Carpentry program will apply technical knowledge and skills to layout, fabricate, erect, install and repair structures and fixtures using hand and power tools, scaffolding and specialty tools used in the construction trade. This program includes instruction in common systems of framing, construction, estimating, blueprint reading and finishing carpentry techniques. Students will be given the opportunity to earn a 10-hour Occupational Safety and Health Administration (OSHA) Construction card. Students have the potential to earn 17 certifications through NCCER.		
<b>Articulation Agreements: Rosedale Technical College &amp; Triangle Tech</b>		

<b>Electrical Systems Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
OSHA 10 Hour Certificate PA Skills Certificate	NCCER	PA Skills Certificate
<b>Program Description</b>		
The Electrical Systems Technology Program teaches students the integral components of the electrical industry for entry level employment in residential, commercial, and/or light industrial locations. The basis of instruction is in the layout, assembly, installation, wiring, maintenance, and troubleshooting of electrical systems. Understanding programmable logistical controls (PLC's) and how transformers operate are also covered. Students have the potential to earn multiple certifications through NCCER.		
<b>Articulation Agreements: CCAC (STAR Articulation) &amp; Rosedale Technical College</b>		
<b>Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R)</b>		
<b>Possible Workforce Industry Certifications</b>		
OSHA 10 Hour Certificate ESCO Section 608 EPA Certification	Gastite Certification TRAC-Pipe Certification	PA Skills Certificate
<b>Program Description</b>		
The Heating, Ventilation, Air-Conditioning, and Refrigeration utilizes state-of-the-industry equipment and provides instruction in basic and advanced electrical theory, troubleshooting and repair of residential and commercial heating, air-conditioning, and refrigeration systems. Students will be given the opportunity to earn a 10-hour Occupational Safety and Health Administration (OSHA) Construction Card. Students can earn the NCCER certifications Core, Type 1 and Type 2. They can also earn EPA Section 608 Refrigeration and Gas Tight Certification for CSST pipe.		
<b>Articulation Agreements: CCAC, Rosedale Technical College &amp; RMU</b>		
<b>Welding &amp; Fabrication Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
OSHA 10 Hour Certificate AWS Vertical Certified Welding ASME B31.1 Certificate NCCER Core	NCCER Welding Level 1 FCAW D1.1, 1.5-1G, 2G, 3G & 4G SMAW D1.1, 1.5-1G, 2G, 3G & 4G	AWS D 1.2 AWS D 1.6 PA Skills Certificate
<b>Program Description</b>		
The Welding and Fabrication Technology Program is designed to train students in the use of oxy-fuel equipment, shielded metal arc, gas metal arc, gas tungsten arc, flux core welding, carbon arc, and plasma cutting. Students will learn the importance of industry safety, measuring instruments, hand tools, grinders, metallurgy, blueprint reading, electrical principles, layout/design, and fabrication. They will also learn how to prepare materials lists for cost estimates. Students have the opportunity to earn several American Welding Society (AWS) certifications.		
<b>Articulation Agreements: Harcum College &amp; Triangle Tech</b>		

<b>Cyber Security and Networking Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
CISCO CCNA Certificate CompTIA A+ Certificate		
<b>Program Description</b>		
The Cyber Security and Networking Technology Program provides students with the opportunity to gain skills and knowledge in the Networking and Cyber Security fields. The program covers a variety of essential topics including advanced troubleshooting, computer assembly, mobile devices, security, and operating systems. The program's hands-on learning approach provides students with practical experience, which can be highly beneficial when entering the workforce.		
<b>Articulation Agreements: CCAC (STAR Articulation) &amp; Sullivan University</b>		

<b>Graphic Arts &amp; Production Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
OSHA-10 General Industry Adobe Certified Professional-Graphic Design & Illustration using Adobe Illustrator	Adobe Certified Professional-Visual Design using Adobe Photoshop	Adobe Certified Professional-Print & Digital Media Publication using Adobe InDesign
<b>Program Description</b>		
Graphic Arts & Production Technology is an instructional program that prepares individuals to apply technical knowledge and skills to plan, prepare and execute commercial and industrial visual image and print products using mechanical and digital graphic and printing equipment. Students learn desktop publishing, layout, composition, digital printing, bindery, photography and other graphic arts techniques. Emphasis is on typographical layout and design using computer graphics, digital printing, bindery and finishing techniques, ink, and color preparation. Students will also learn large format digital printing with the application of a variety of output and vinyl applications including heat press and apparel design.		
<b>Articulation Agreements: CCAC (STAR Articulation) &amp; Triangle Tech</b>		

<b>Healthcare Occupations Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
OSHA-10 For Healthcare Professional Pharmacy Technician	Phlebotomy Technician Patient Care Technician	Basic Life Support for Healthcare Professional
<b>Program Description</b>		
The Healthcare Occupations Technology program provides students with a variety of opportunities to learn and develop the essential skills needed to pursue a career in healthcare. Throughout the program, students have the ability to earn multiple certifications that can be extremely valuable when students graduate and enter the healthcare industry. As lectures are an important part of the Healthcare Occupations Technology program, students in grades 11 and 12 can put all the knowledge learned in previous years together through clinical rotations. Clinical rotations can occur in nursing homes, hospitals, and/or doctor's offices. Students will have the opportunity to work with a simulation manikin. The simulation manikin comes with heart sounds, lung sounds, blood pressure readings in both arms, and so much more.		
<b>Articulation Agreements: CCAC (STAR Articulation) &amp; Robert Morris University</b>		

<b>Public Safety Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
Emergency Medical Technician Basic (EMT-B) CPR and First Aid	PA Essentials of Firefighting Hazardous Materials Awareness and Operations	Basic Rigging for Rope Rescue Tactical Handcuffing
<b>Program Description</b>		
The Public Safety Technology program offers an opportunity for students interested in pursuing a career in the emergency response industry. The hands-on training provides students with valuable real-world experience and exposure to different aspects of emergency response, including firefighting, emergency medical services and law enforcement. The program covers a range of technical fields, including police science, fire science, rescue operations, hazardous materials, and emergency medical services. This comprehensive approach ensures that students receive a well-rounded education and are prepared to enter the emergency response industry with a broad skill set.		
<b>Articulation Agreements: CCAC (STAR Articulation) &amp; New Castle School of Trades</b>		

<b>Sports Medicine &amp; Rehabilitation Therapy Technology (SMARTT)</b>		
<b>Possible Workforce Industry Certifications</b>		
ACSM Certified Personal Trainer	AHA Basic Life Support	OSHA Health Care Provider
<b>Program Description</b>		
The Sports Medicine and Rehabilitation Therapy Technology (SMARTT) Program prepares students to work in the field of physical therapy, occupational therapy and sports medicine. Students will develop skills in prevention, assessment, prognosis, and rehabilitation of injuries and other health conditions. Students will learn the principles of developing a plan of care, including evaluation, interventions, assessment, goal setting and discharge. Students will also learn how to develop a diet for healthy individuals and for special populations through a comprehensive understanding of nutrition.		
<b>Articulation Agreements: Duquesne University, Robert Morris University &amp; Waynesburg University</b>		

<b>Veterinary Assistant Technology</b>		
<b>Possible Workforce Industry Certifications</b>		
NAVTA OSHA 10	National Veterinary Assistant Certification	Pet Tech First Aid Pet Tech CPR
<b>Program Description</b>		
The Veterinary Assistant Technology Program provides students with hands-on training and knowledge of animal care and management. The program covers various topics such as animal anatomy and physiology, medical terminology, pharmacology, animal behavior and nutrition. Students will also learn how to communicate effectively with clients and assist with procedures such as vaccinations, blood draws, and surgical preparation. Students that complete the program may have the ability to work in a veterinary setting in a support position aiding veterinarians, technicians and receptionists.		
<b>Articulation Agreements: California University of PA &amp; Gannon University</b>		

## West Allegheny Virtual Academy WAVA

The West Allegheny Virtual Academy (WAVA) provides a flexible learning option for students in grades K–12. We recognize that students have diverse learning needs, and the WAVA program endeavors to help meet those needs. The virtual academy provides students with flexible scheduling option by allowing students the opportunity to take courses beyond the traditional nine-period school day. Additionally, students who have interests beyond the courses available in the building may find courses that meet their interests in the virtual academy course catalog.

WAVA offers a variety of courses aligned to the West Allegheny School District curricula. Students can engage in online learning in a variety of ways:

**Full-time:** WAVA provides a fully online educational program, which students can work on anytime, anywhere; yet still enjoy the benefits of West Allegheny’s highly qualified teachers facilitating their courses. WAVA students will work with their school counselor to guide them through their school years, assisting with course selection and career and college readiness.

**Summer Enrichment:** The Summer Enrichment Program is offered to students who wish to advance academically by taking courses over the summer. These courses may fulfill core subject requirements for graduation. A one (1) credit course is a full year of study, and students should allow enough time to complete the work during the shorter summer session. There is an associated fee for summer enrichment courses.

West Allegheny Virtual Academy students have access to the same resources as traditional students. They may participate in extra-curricular activities and athletics offered by the District. Additionally, as a West Allegheny student, WAVA learners may earn a West Allegheny diploma and participate in the WAHS commencement exercises upon completion of the graduation requirements.

WAVA courses are available 24 hours a day, seven days a week and are taught by highly qualified, PA certified West Allegheny teachers. WAVA is free to all West Allegheny students during the academic school year. Students interested in enrolling in WAVA should contact their school counselor for more information.

## West Allegheny Learning Center WALC

West Allegheny High School houses the West Allegheny Learning Center (WALC), an academic program designed to meet the needs of students who may be more successful learning in a non-traditional setting focusing on career and college readiness. As an alternative learning environment, WALC focusses on the individual learner. The WALC program provides an engaging learning environment on campus for students in grades 9-12 during regular school hours. Through the encouragement and support of our highly trained staff, the WALC program works to instill pride through academics, behavior, and positive school attendance by:

- Focusing on individual learning needs
- Providing academic support
- Providing a safe and nurturing learning environment
- Remediating and/or accelerating students to meet graduation requirements
- Ensuring all students are connected to and ready for career and college opportunities
- Academic/behavior contracting
- Reflective practices promoting relationships, respect, and responsibility

The WALC Program is a unique alternative to the West Allegheny Virtual Academy, an online learning platform provided by the West Allegheny School District.

#### HOW ARE STUDENTS SELECTED?

Students are recommended for WALC based on academic, behavior, and/or attendance needs. Recommendations may be made by teachers, administrators, parents/guardians and students. Each recommendation goes through an application process with school counselors, administrators, and teachers to determine if the WALC environment would be appropriate for the student. A meeting is then held with the student support team, including administrators, school counselors, teachers, parents/guardians and the recommended student to determine if WALC would be the appropriate educational setting. Once a student is approved for WALC, an academic and/or behavior contract will be signed by all student support team members.

#### ACADEMICS

Students in the WALC program are enrolled in courses aligned to the West Allegheny curriculum through in-person instruction or through the WAVA program. The WALC environment is structured to provide added assistance and support. Courses in mathematics, science, English, and social studies comprise the core curriculum. Key to the program's approach and success is the dedication and enthusiasm of the WALC teachers, who are committed to supporting students in the learning center.

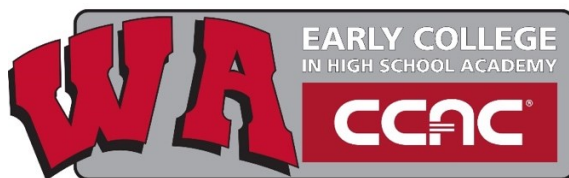
#### REFLECTIVE PRACTICES

Students will receive instruction in the WALC setting for a variety of reasons. Some students will spend time in WALC for behavior and/or policy violations. In this case, a behavior contract will be developed to help the student set goals to improve behavior. Additionally, students may participate in reflective practices focusing on how their actions may have impacted themselves and/or others. Through building relationships, respect, and responsibility, students will develop positive behaviors and decision-making skills.

#### SCHEDULING

Students are recommended for WALC based on academics, behavior, and/or attendance needs. Recommendations may be made by teachers, administrators, parents/ guardians, and students. Before a student is scheduled into WALC, an application process will follow to determine if the setting is appropriate.

## Early College in High School Academy for Students with Disabilities



West Allegheny High School has partnered with the Community College of Allegheny County (CCAC) Workforce Development department to offer two Early College in High School Academy (ECIHS) concurrent enrollment programs to our students with disabilities: Food Service Training Program & Environmental Services/Janitorial Training Program. These programs will allow students the opportunity to develop valuable vocational skills through their high school course work to be applied to a non-credit certificate issued by CCAC at the completion of the program. Each of these programs is intended to prepare students for a career in the corresponding field.

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# West Allegheny



Early College In  
High School Academies



Through West Allegheny's hallmark Early College In High School Academy, the District is proud to partner with regional institutions of higher education to remove notable barriers for our students and provide unparalleled opportunities to gain a jump start on their post secondary plans.

By offering college level courses while still in high school, our students have the unique opportunity to earn associate degrees, certificates and credits toward bachelor's and master's degrees by the time they graduate from West Allegheny.

Offering both concurrent and dual enrollment, this access provides dramatically discounted tuition costs for our families while acquiring up to two years' worth of college courses.

Students in need of financial support may apply for a scholarship from West Allegheny School District.





## 25 Early College Programs Offered:

### RMU

Business Administration ^  
 Criminal Justice & PreLaw ^  
 Cybersecurity ^  
 Early Childhood Education ^  
 Engineering ^  
 Special Education ^  
 General Studies

### SHU

Art Education^  
 Exercise Science^  
 Global Studies^  
 Pre-Art Therapy^

### CCAC

Health Sciences \*  
 Mechatronics Technology +  
 Multimedia Programming, Simulation & Gaming \*  
 Multimedia Game Simulation +

### CCBC

Aerospace Management \*  
 Air Traffic Controller \*  
 Professional Pilot \*

### RTC

Automotive Technology \*  
 Collision Repair Technology \*  
 Construction Electricity Technology \*  
 Diesel Technology \*  
 Industrial Electricity Technology \*  
 HVAC Technology \*  
 Welding Technology #



# By the Numbers

- 25** Total College Programs
- 255** Total Concurrent Credits (CCAC, RMU, SHU)
- 425** Total Dual Enrollment Credits (CCAC, CCBC, RTC)
- 680** Total College Credits Available Prior to WA Graduation
  - 4** CCAC Programs & **80** Concurrent & **14** Dual Enrollment College Credits
  - 7** RMU Programs & **126** College Credits
  - 4** SHU Programs & **49** College Credits
  - 3** CCBC Programs & Up To **28** College Credits Prior to WA Graduation
  - 7** RTC Programs & Up To **383** College Credits Prior to WA Graduation
- 69** WA Courses Include **25** CCAC, **41** RMU, & **18** SHU courses
- 38** WA Teachers Certified as CCAC, RMU, SHU Affiliated Professors

## Since 2018

### Credits Earned



**18,900+**

### Tuition Saved



**\$15M+**

### Degrees Earned



**32 Associate  
40 Certificates**

Students have multiple access points to ECIHSA programs starting in any year of high school.



In its ever-expanding portfolio of credit and course offerings, West Allegheny is pleased to partner with Robert Morris University to offer **seven concurrent RMU programs** taught by West Allegheny teachers **while still in high school**. Several Engineering and Business Administration concentrations are offered.

#### Collectively Offering:

- 7 Concurrent Programs
- In 37 WA Courses, Students May Complete 41 RMU Courses While in High School
- 126 College Credits Available

#### Significant Tuition Savings:

- \$250 per course vs. \$1,040 per credit

#### Accelerated Bachelor's Degree Programs:

- **Criminal Justice & PreLaw Accelerated Bachelor's Degree Program**  
13 West Allegheny Courses = Up to 56 RMU Credits\*
- **Cybersecurity Accelerated Bachelor's Degree Program**  
12 West Allegheny Courses = Up to 53 RMU Credits  
1 West Allegheny Courses = 7 CCAC Credits  
Total Available = Up to 60 College Credits\*
- **Early Childhood Education Accelerated Bachelor's Degree Program**  
16 West Allegheny Courses = Up to 62 RMU Credits\*
- **Special Education Accelerated Bachelor's Degree Program**  
13 West Allegheny Courses = Up to 53 RMU Credits\*

\*Credits earned prior to WA graduation



- **Engineering Bachelor's Degree**  
18 West Allegheny Courses = Up to 66 RMU Credits  
1 West Allegheny Courses = 7 CCAC Credits  
Total Available = Up to 73 College Credits\*
- **Business Administration Bachelor's Degree**  
15-16 West Allegheny Courses = Up to 59 RMU Credits\*

#### Corresponding Master's Degrees:

- **Engineering (MEM)**
- **Business Administration (MBA)**

#### General Studies

Students can begin completing their general study requirements with access to 34 West Allegheny Courses covering 42 RMU courses for 131 credits.

Following graduation from West Allegheny, ECIHSA students may be eligible to earn a master's degree in Engineering (MEM) or Business Administration (MBA) **in only three years**. Several Engineering and Business Administration concentrations are offered by RMU.

# Business Administration

The Business Administration program is educating tomorrow's business leaders and preparing them to succeed in the global market. West Allegheny's program sets students on a fast track to complete a bachelor's degree in as little as two years and a master's degree in as little three years after high school graduation.

Students can complete up to 59 college credits out of 120 while still in high school with 4 to 5 semesters remaining after graduation to earn a bachelor's degree.

ECIHSA Tuition While in High School	\$4,250
Compared to Tuition without ECIHSA	\$61,360
<b>TOTAL COST SAVINGS</b>	<b>\$57,110</b>

Additional Semesters to Earn Masters: 2 (30 credits)

# Early Childhood Education

The B.S. in Early Childhood Education degree program prepares students for careers in teaching, serving pupils from pre-kindergarten through 4th grade in schools, childcare settings, and child-focused agencies. The professional core courses, competencies, and experiences develop teachers who are prepared to serve children and their families.

Students can complete up to 62 college credits out of 120 while still in high school, with 5-6 semesters remaining after graduation to earn a bachelor's degree.

ECIHSA Tuition While in High School	\$4,750
Compared to Tuition without ECIHSA	\$64,480
<b>TOTAL COST SAVINGS</b>	<b>\$59,730</b>

# Special Education

The Bachelor of Science in Special Education program prepares candidates with the knowledge base, skills, and competencies necessary to meet the needs of students with disabilities in multiple settings. Graduates are prepared to teach students with disabilities in grades PreK-12.

Students can complete up to 53 college credits out of 120 while still in high school, with 4-5 semesters remaining after graduation to earn a bachelor's degree.

ECIHSA Tuition While in High School	\$4,250
Compared to Tuition without ECIHSA	\$55,120
<b>TOTAL COST SAVINGS</b>	<b>\$50,870</b>

# Engineering

Western Pennsylvania is witnessing a rebirth in manufacturing, thanks to the region's booming energy industry. The demand for highly educated graduates with hands-on experience has never been greater. West Allegheny's program sets students on a fast track to complete a bachelor's degree in as little as two years and a master's degree in as little three years after high school graduation. Students will be prepared for success in such fields as engineering, actuarial science, applied mathematics, biology, and environmental science.

Students can complete up to 66 college credits out of 126 while still in high school with 4-5 semesters remaining after graduation to earn a bachelor's degree.

ECIHSA Tuition While in High School	\$5,750
Compared to Tuition without ECIHSA	\$68,640
<b>TOTAL COST SAVINGS</b>	<b>\$62,890</b>

Additional Semesters to Earn Masters: 2 (30 credits)

# Cybersecurity

Identified as one of the most in demand and fastest growing careers, Cybersecurity focuses on identifying and analyzing vulnerabilities, threats and risks in the age of digital information.

Students can complete up to 60 college credits out of 120 credits need for RMU's bachelor degree in Cybersecurity through their West Allegheny courses.

ECIHSA Tuition While in High School	\$4,500
Compared to Tuition without ECIHSA	\$62,400
<b>TOTAL COST SAVINGS</b>	<b>\$57,900</b>

# Criminal Justice & PreLaw

Criminal justice is a rapidly evolving field that has a high, and ever-increasing demand, for professional guardians in the criminal justice system.

Students can earn up to 56 credits towards a bachelor's degree in Criminal Justice & PreLaw through their West Allegheny courses.

ECIHSA Tuition While in High School	\$4,250
Compared to Tuition without ECIHSA	\$58,240
<b>TOTAL COST SAVINGS</b>	<b>\$57,900</b>





Starting with the 2025-26 school year, West Allegheny will expand its portfolio of credit and course offerings, to include a partnership with Seton Hill University. West Allegheny students will now have access to **four concurrent SHU programs**, Art Education, Exercise Science, Global Studies, and Pre-Art Therapy, taught by West Allegheny teachers **while still in high school**.

#### Collectively Offering:

- 4 Concurrent Programs
- In 18 WA Courses, Students May Complete 18 SHU Courses While in High School
- 49 College Credits Available

#### Significant Tuition Savings:

- \$230 per course

#### Accelerated Bachelor's Degree Programs:



**NEW!**

- **Art Education Accelerated Bachelor's Degree Program**  
6 West Allegheny Courses = Up to 19 SHU Credits\*  
Students may also transfer in RMU and/or CCAC credits to further accelerate program completion

**NEW!**

- **Exercise Science Accelerated Bachelor's Degree Program**  
7 West Allegheny Courses = Up to 22 SHU Credits  
Students may also transfer in RMU and/or CCAC credits to further accelerate program completion

**NEW!**

- **Global Studies Accelerated Bachelor's Degree Program**  
6 West Allegheny Courses = Up to 19 SHU Credits\*  
Students may also transfer in RMU and/or CCAC credits to further accelerate program completion

**NEW!**

- **Pre-Art Therapy Accelerated Bachelor's Degree Program**  
8 West Allegheny Courses = Up to 25 SHU Credits\*  
Students may also transfer in RMU and/or CCAC credits to further accelerate program completion

\*Credits earned prior to WA graduation

## Art Education

NEW!

The Art Education program through Seton Hill allows students to accelerate their future by beginning their coursework while in high school. Seton Hill's program prepares students with advanced art skills and a liberal arts foundation. Students who continue their education at Seton Hill will be on a fast track to complete their degree and potentially earn their PK-12 teaching license.

ECIHSa Tuition While in High School	\$1,380
Compared to Tuition without ECIHSa	\$42,294
<b>TOTAL COST SAVINGS</b>	<b>\$40,914</b>

## Exercise Science

NEW!

The Exercise Science program will prepare students to become a leader in the industry with a strong science based program. Students can begin this program while in high school completing seven required courses earning 22 SHU credits. Student may also complete RMU and/or CCAC credits to transfer into the program for a more advanced standing and cost savings.

ECIHSa Tuition While in High School	\$1,610
Compared to Tuition without ECIHSa	\$84,588
<b>TOTAL COST SAVINGS</b>	<b>\$82,978</b>

## Global Studies

NEW!

Students in the global studies program will be provided the opportunity to begin building the foundation needed for a Bachelor of Arts in Global Studies. Students can complete six required SHU courses while in high school. Additionally, student may complete RMU and/or CCAC credits to transfer into the program for a more advanced standing and cost savings.

ECIHSa Tuition While in High School	\$1,380
Compared to Tuition without ECIHSa	\$42,294
<b>TOTAL COST SAVINGS</b>	<b>\$40,914</b>



NEW!

## Pre-Art Therapy

The Pre-Art Therapy program integrates the basic areas of fine arts, behavioral sciences, and social sciences. Students pursuing this program can complete up to 25 SHU credits while in high school. Additionally, student may also complete additional credits through RMU and/or CCAC course to transfer in a more advanced standing.

ECIHSa Tuition While in High School	\$1,840
Compared to Tuition without ECIHSa	\$84,588
<b>TOTAL COST SAVINGS</b>	<b>\$82,748</b>



In 2018, West Allegheny School District launched a strategic partnership with the Community College of Allegheny County to offer high demand college programs at significantly reduced tuition rates. Through this partnership students have access to **three concurrent CCAC programs** taught by West Allegheny teachers, allowing West Allegheny students to earn an Associate Degree, College Certificates and college credits **while still in high school**. Starting the fall of 2025, students will have access to **a dual enrollment program** with CCAC in the **Health Sciences**. Seniors will be provided the opportunity to take two courses each semester at **CCAC West Hills Center**.

#### Collectively Offering:

- 3 Concurrent Programs & 1 Dual Enrollment Program
- In 14 WA Courses, Students May Complete 25 CCAC Courses While in High School
- 80 College Credits Available

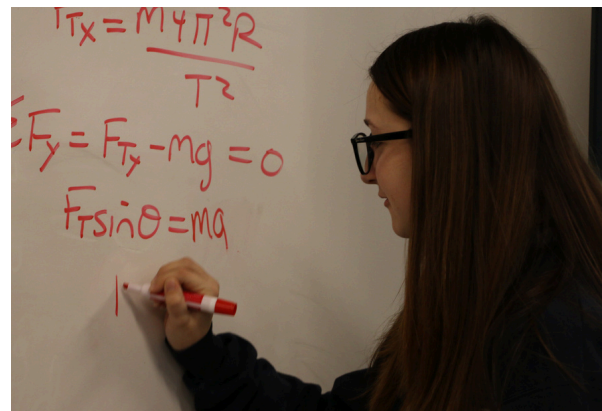
#### Significant Tuition Savings

- Students receive a discount on tuition

#### 1 Associate Degree:

- **Multimedia Programming, Simulation & Gaming**  
In 13 West Allegheny Courses, Students Can Earn 59-63 CCAC and 3 RMU Credits\*

\*Credits earned prior to WA graduation



#### 1 Dual Enrollment Program in Health Sciences:

**NEW!**

- 4 courses taken at West Hills Center  
Students Can Earn 14 College Credits\*
- Credits aligned to most Health Science Careers
- CCAC credits are highly transferrable
- Discounted tuition rate of \$75/credit

#### 2 Certificates:

- **Mechatronics Technology**  
In 5 West Allegheny Courses, Students Can Earn 33 College Credits\*
- **Multimedia Game Simulation**  
In 6 WA Courses, Students Can Earn 18 CCAC and 3 RMU Credits\*

\*Credits earned prior to WA graduation

## Multimedia Game Simulation

West Allegheny's ECIHSA Multimedia Game Simulation program encompasses the Multimedia Programming, Simulation, & Gaming Associate Degree, and Multimedia Game Simulation Certificate. Students enrolled in this program are exposed to industry standard hardware, software and development pipelines, beginning with frameworks and project practices, then move into design and implementation.

Students can earn an Associate Degree in 3 or 4 years while in high school with 66 College Credits available.

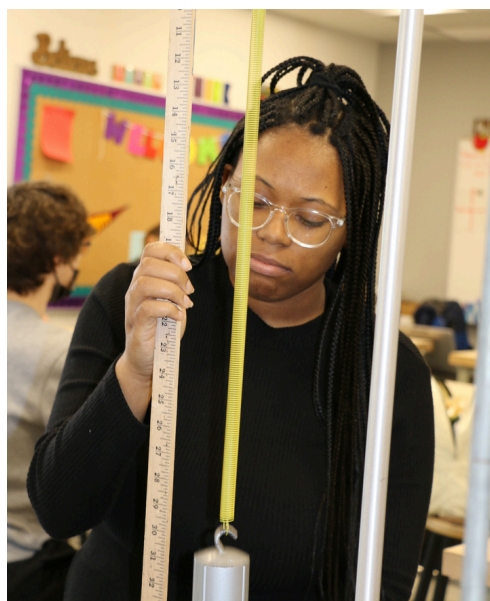
ECIHSA Tuition while in High School	\$4,337
CCAC Tuition w/out ECIHSA	\$22,436
<b>APPROXIMATE COST SAVINGS</b>	<b>\$18,099</b>

## Mechatronics Technology

Mechatronics is a growing field that requires the technical skills necessary to work with industrial robots, programmable logic controllers and other automated equipment. Graduates of the Mechatronics Technology program will be prepared to pursue careers in advanced manufacturing, systems integration, electromechanics, process control and industrial maintenance, as well as serve as technicians in supply chain, electronics, instrumentation, robotics, and automation.

Students can earn a Certificate in 2, 3 or 4 years while in high school with 33 College Credits available.

ECIHSA Tuition while in High School	\$2,079
CCAC Tuition w/out ECIHSA	\$4,158
<b>APPROXIMATE COST SAVINGS</b>	<b>\$2,079</b>



## Health Sciences Academy Dual Enrollment Program

**NEW!**

This program is designed to support students interested in entering a career in the Health Sciences field. Students will be able to complete four courses earning 14 credits at CCAC West Hills Center during their senior year. Students can then apply to enter CCAC's nursing program or transfer the credits to an accepting institution.

ECIHSA Tuition while in High School	\$1,050
CCAC Tuition w/out ECIHSA	\$1,890
<b>APPROXIMATE COST SAVINGS</b>	<b>\$840</b>



Through the Early College In High School Academy - **Aviation Academy**, West Allegheny High School students have the opportunity to explore **three CCBC dual enrollment programs**: Professional Pilot, Air Traffic Control, and Aerospace Management career paths **prior to high school graduation**. Students will gain hands-on experience while taking courses taught by CCBC instructors.

#### Collectively Offering:

- 3 Dual Enrollment Aviation Programs

#### Significant Cost Savings:

- \$255 per credit vs. \$427 per credit

#### 3 Associate Degrees:

- Aerospace Management  
59 of 64 Credits Earned Prior to WA Graduation
  - 2 years during high school - start junior year with 1 semester at CCBC after high school
- Air Traffic Control  
37 of 71 Credits Earned Prior to WA Graduation
  - 2 years during high school - start junior year with 2 years at CCBC after high school
- Professional Pilot  
41 of 66 Credits Earned Prior to WA Graduation
  - 2 years during high school - start junior year with 1 year at CCBC after high school

## Air Traffic Control

The Air Traffic Control program provides training in the application of non-radar/radar air traffic control procedures as well as control tower operator training and experience. Graduates in Air Traffic Control may look forward to a career as an air traffic control specialist with the federal government, private industry, or military services. Additional opportunities exist in rapidly expanding fields of general and commercial aviation.

#### Program to Earn an Associate Degree:

• <b>2 years in high school + 2 years at CCBC</b>	
ECIHS A Tuition While in High School	\$7,887
Tuition After High School	\$18,361
<b>TOTAL ECIHS A TUITION</b>	<b>\$26,248</b>
Tuition without ECIHS A	\$32,879
<b>TOTAL COST SAVINGS</b>	<b>\$6,631</b>

## Aerospace Management

The Aerospace Management program is designed to prepare students for employment in various areas of the aerospace industry including airport management, air carrier operations, commuter airlines, corporate aviation, aviation-related government agencies, and fixed-based operations. Students will engage in a course of study that has a heavy emphasis in management, marketing, accounting, and economics.

#### Program to Earn an Associate Degree:

• <b>2 years in high school + 1 semester at CCBC</b>	
ECIHS A Tuition While in High School	\$9,631
Tuition After High School	\$2,562
<b>TOTAL ECIHS A TUITION</b>	<b>\$12,193</b>
Tuition without ECIHS A	\$26,047
<b>TOTAL COST SAVINGS</b>	<b>\$13,854</b>

## Professional Pilot

Graduates of the Professional Pilot degree program will have completed academic and flight training required for the airplane commercial pilot certificate with flight instructor credentials. Graduates may find employment with regional and major airlines, charter or cargo operators, agricultural flying, flight schools, or with a government agency or military service.

#### Program to Earn an Associate Degree:

• <b>2 years in high school + 1 years at CCBC</b>	
ECIHS A Tuition While in High School	\$ 8,007
Tuition After High School	\$11,996
<b>TOTAL ECIHS A TUITION</b>	<b>\$20,005</b>
Tuition without ECIHS A	\$27,795
<b>TOTAL COST SAVINGS</b>	<b>\$7,790</b>



Through the Early College In High School Academy - **Trades Academy**, West Allegheny High School seniors have the opportunity to explore **seven Rosedale dual enrollment programs**: Automotive Technology, Collision Repair Technology, Construction Electricity Technology, Diesel Technology, Industrial Electricity Technology, HVAC Technology, and Welding Technology career paths **prior to high school graduation**. Students will gain hands-on experience while taking courses taught by Rosedale Technical College instructors on the RTC campus.

#### Collectively Offering:

- 7 Dual Enrollment Programs available starting Senior Year of high school (full time at RTC)

#### Significant Cost Savings:

- \$125 per credit vs. \$445 to \$476 per credit

#### 6 Associate Degrees & 1 Diploma Program:

- Automotive Technology  
58.5 of 77.5 Credits Earned while at WA  
◦ Anticipated graduation from RTC in September
- Collision Repair Technology  
56 of 73.5 Credits Earned while at WA  
◦ Anticipated graduation from RTC in September
- Construction Electricity Technology  
◦ 58.5 of 77.5 Credits Earned while at WA  
◦ Anticipated graduation from RTC in September
- Diesel Technology  
◦ 52 of 75 Credits Earned while at WA  
◦ Anticipated graduation from RTC in November
- Industrial Electricity Technology  
◦ 58.5 of 77.5 Credits Earned while at WA  
◦ Anticipated graduation from RTC in September
- HVAC Technology  
◦ 57.5 of 75.5 Credits Earned while at WA  
◦ Anticipated graduation from RTC in September
- Welding Technology Diploma Program  
◦ 36 of 36 Credits Earned while at WA  
◦ Anticipated graduation from RTC in May

## Automotive Technology

With live, in-person training led by RTC instructors with years of industry experience and the drive to help students succeed, the Automotive Technology Program is unlike any other. If you love cars or you want to learn a skill that can make you feel like a boss, our Automotive Technology program may be the choice for you.

#### Program to Earn an Associate Degree:

ECIHS A Tuition While in High School	\$7,050
Tuition After High School	\$8,958
<b>TOTAL ECIHSA TUITION</b>	<b>\$16,008</b>

Tuition without ECIHSA	\$37,245
<b>TOTAL COST SAVINGS</b>	<b>\$18,492</b>

## Collision Repair Technology

Students who are drawn to the collision repair technology program have the desire and enthusiasm to work with their hands and want a fulfilling career that gives them purpose. Students may be motivated by job security, growth opportunities, or opening their own business where they can be their own boss and put all of their skills to use.

#### Program to Earn an Associate Degree:

ECIHS A Tuition While in High School	\$6,755
Tuition After High School	\$8,736
<b>TOTAL ECIHSA TUITION</b>	<b>\$15,491</b>

Tuition without ECIHSA	\$37,631
<b>TOTAL COST SAVINGS</b>	<b>\$19,509</b>

## Diesel Technology

RTC's Diesel Technology Program offers a unique hands-on training opportunity that fully prepares students for a career in diesel mechanics. Students gain the skills and knowledge needed to enter the industry, and RTC's cutting-edge facilities provide a chance to work with the latest diesel technology.

#### Program to Earn an Associate Degree:

ECIHS A Tuition While in High School	\$7,193
Tuition After High School	\$10,873
<b>TOTAL ECIHSA TUITION</b>	<b>\$18,066</b>

Tuition without ECIHSA	\$36,973
<b>TOTAL COST SAVINGS</b>	<b>\$16,134</b>



# Construction Electricity Technology

Construction electricians are highly skilled professionals who undergo extensive training for wiring homes and businesses that are in the construction phase as well as maintenance and repairs on existing buildings. Construction electricity is a vital part of any construction project, and construction electricians ensure that the wiring is installed correctly and safely. With the possibility to work in tight spaces and at heights at times, graduates of the construction electricity program play a vital role in ensuring that the electricity needed to function will operate safely each day.

## Program to Earn an Associate Degree:

ECIHSA Tuition While in High School	\$7,093
Tuition After High School	\$9,229
<b>TOTAL ECIHSA TUITION</b>	<b>\$16,322</b>
Tuition without ECIHSA	\$39,815
<b>TOTAL COST SAVINGS</b>	<b>\$23,493</b>



# Industrial Electricity Technology

Industrial electricians work with a variety of electrical systems and electrical equipment, from simple motors to complex industrial machinery, such as conveyor systems, production machinery, and packing equipment. Industrial electricians are responsible for installing, repairing, and maintaining this equipment, as well as troubleshooting any problems that may arise. Industrial electricians must have a strong understanding of electrical theory and be able to work safely with high-voltage equipment. Students in the industrial electricity program can obtain the knowledge and skills to maintain and repair industrial equipment, automated systems and machinery, programming PLCs and robotics, as well as install, repair and reassemble, modify and move machinery.

## Program to Earn an Associate Degree:

ECIHSA Tuition While in High School	\$7,093
Tuition After High School	\$9,229
<b>TOTAL ECIHSA TUITION</b>	<b>\$16,322</b>
Tuition without ECIHSA	\$39,815
<b>TOTAL COST SAVINGS</b>	<b>\$23,493</b>

# HVAC Technology

HVAC technicians play an integral role in supporting businesses and homeowners by installing, repairing, and maintaining heating, ventilation, air conditioning, and refrigeration systems. HVAC techs can work with climate control systems in residential and commercial buildings. Since the number of commercial and residential buildings are growing and older homes are requiring upgraded systems, society will need more refrigeration, heating system, and air conditioning workers to meet the increasing demand, making this industry a rewarding and fast-paced career opportunity.

## Program to Earn an Associate Degree:

ECIHSA Tuition While in High School	\$6,935
Tuition After High School	\$9,260
<b>TOTAL ECIHSA TUITION</b>	<b>\$16,195</b>
Tuition without ECIHSA	\$40,725
<b>TOTAL COST SAVINGS</b>	<b>\$24,530</b>

# Welding Technology Diploma Program

Committing to a career as a welder can offer many opportunities for those who pursue it, like a good-paying salary and job security; however, it is not a career path for everyone, and there are many factors to consider before taking on this trade. Welding can be a physically enduring and challenging task that requires individuals to work hard in sometimes extreme elements. If setting yourself up for a successful future and helping the overall success of our society continue to move forward sounds appealing, then this could be the field for you! Remember, not all heroes wear capes... some wear welding helmets.

## Program to Earn an Welding Technician Diploma:

ECIHSA Tuition While in High School	\$7,550
Tuition After High School	\$0
<b>TOTAL ECIHSA TUITION</b>	<b>\$7,550</b>
Tuition without ECIHSA	\$21,615
<b>TOTAL COST SAVINGS</b>	<b>\$14,065</b>



## BUSINESS PROGRAM: Accounting, Finance, Management, or Marketing Concentration

Certificate in Business through 4 WA courses plus one additional course at RMU  
Accelerated Bachelor of Science in Business Administration and Master of Business Administration  
Students could begin at RMU after graduation from WAHS with up to 49 credits

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
	0600 Principles of Business	9th grade	9th grade	9th/10th grade	9th/10th/ 11th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Elective
<b>BUSINESS CERTIFICATE COURSES</b> * choose one of these electives To complete the Business Certificate students will need to take RMU-MGMT 2025: Cloud Computing for Business at RMU	0602 Marketing	9th/10th grade	10th/11th grade	11th grade	12th grade	RMU - MARK 2000: Marketing in the Interconnected World	3	Elective
	0603 Business Management & Leadership	9th/10th grade	10th/11th grade	11th grade	12th grade	RMU - MGMT 2000: Management Theory & Practice	3	Elective
	0616 Financial Accounting	10th/11th grade	10th/11th grade	11th grade	12th grade	RMU - ACCT 2030: Intro to Financial Accounting	3	Math
	0604 Business, Law, & Society	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - BLAW 2000: Law, Business & Society	3	Elective
	0605 Managerial Accounting	11th/12th grade	11th/12th grade	12th grade		RMU - ACCT 2060: Managerial Accounting	3	Math
<b>GENERAL EDUCATION COURSES</b>	0627 IT Fundamentals	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	RMU - INFS 1020: Fundamentals of Information Technology	3	Elective
	0629 Cybersecurity	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	RMU - CYBS 2000: Intro to Cybersecurity	3	
	0320 AP Precalculus	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - MATH 1020: Precalculus	3	Math
	0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Math
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - CSEN 1020: Argument and Research	3	English
	0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English
	0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English
	One of the following:							
	0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies
	0238 AP World History	11th grade	11th grade	11th grade	11th grade	RMU - HIST 1700 Western Civilization	3	Social Studies
	0239 AP US History	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - HIST 1200 Western Civilization	3	Social Studies
	One of the following:							
	0133 Classic & Modern Literature	12th grade	12th grade	12th grade	12th grade	RMU - ELIT 1050: Classic & Modern Literature	3	English
	0132 AP English Literature & Composition	12th grade	12th grade	12th grade	12th grade	RMU - ENGL 1040: Reading Literature Coming of Age	3	
	One of the following:							
	0410 AP Biology	10th/11th/12th grade	10th/11th/12th grade	11th/12th grade	11th/12th grade	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215: Chemistry I/Lab	4	
	0412 AP Physics 1	11th grade	11th grade	11th grade	11th grade	RMU - PHYS 1210/1215: General Physics 1/Lab	4	

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## BUSINESS PROGRAM: Sport Management Concentration

Certificate in Business through 4 WA courses plus one additional course at RMU  
 Accelerated Bachelor of Science in Business Administration and Master of Business Administration  
 Students could begin at RMU after graduation from WAHS with up to 52 credits

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type	
	0600 Principles of Business	9th grade	9th grade	9th/10th grade	9th/10th/11th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Elective	
<b>BUSINESS CERTIFICATE COURSES</b> *Choose one of these electives To complete the Business Certificate, students will need to take RMU - MGMT 2025: Cloud Computing for Business course at RMU	0602 Marketing	9th/10th grade	10th/11th grade	11th grade	12th grade	RMU - MARK 2000: Marketing in the Interconnected World	3	Elective	
	0603 Business Management & Leadership	9th/10th grade	10th/11th grade	11th grade	12th grade	RMU - MGMT 2000: Management Theory & Practice	3	Elective	
	0616 Financial Accounting	10th/11th grade	10th/11th grade	11th grade	12th grade	RMU - ACCT 2030: Intro to Financial Accounting	3	Math	
	0604 Business, Law, & Society*	10th/11th/12th grade	10th/11th/12th grade	11th/12th grade	12th grade	RMU - BLAW 2000: Law, Business & Society	3	Elective	
	0605 Managerial Accounting*	11th/12th grade	11th/12th grade	12th grade	12th grade	RMU - ACCT 2060: Managerial Accounting	3	Math	
	0606 Sport Management*	9th grade	10th grade	11th grade	12th grade	RMU - SPMG 2010: Intro to Sport Management	3	Elective	
<b>GENERAL EDUCATION COURSES</b>	0627 IT Fundamentals	9th/10th/11th/12th grade	9th/10th/11th/12th grade	9th/10th/11th/12th grade	9th/10th/11th/12th grade	RMU - INFS 1020: Fundamentals of Information Technology	3	Elective	
	0629 Cybersecurity	9th/10th/11th/12th grade	9th/10th/11th/12th grade	9th/10th/11th/12th grade	9th/10th/11th/12th grade	RMU - CYBS 2000: Intro to Cybersecurity	3		
	0320 AP Precalculus	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - MATH 1020: Precalculus	3	Math	
	0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies	
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I (course substitution for MATH 2040)	3	Math	
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - CSEN 1020: Argument and Research (may count as non-business elective)	3	English	
	0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English	
	0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English	
	One of the following:								
	0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies	
	0238 AP World History	11th grade	11th grade	11th grade	11th grade	RMU - HIST 1700 Western Civilization	3	Social Studies	
	0239 AP US History	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - HIST 1200 Western Civilization	3	Social Studies	
	One of the following:								
	0133 Classic & Modern Literature	12th grade	12th grade	12th grade	12th grade	RMU - ELIT 1050: Classic & Modern Literature	3	English	
	0132 AP English Literature & Composition	12th grade	12th grade	12th grade	12th grade	RMU - ENGL 1040: Reading Literature Coming of Age	3		
	One of the following:								
	0410 AP Biology	10th/11th/12th grade	10th/11th/12th grade	11th/12th grade	11th/12th grade	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science	
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215: Chemistry I/Lab	4		
	0412 AP Physics 1	11th grade	11th grade	11th grade	11th grade	RMU - PHYS 1210/1215: General Physics 1/Lab	4		

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## CRIMINAL JUSTICE PROGRAM

Accelerated Bachelor of Science in Criminal Justice  
Students could begin at RMU after graduation from WAHS with up to 49 credits

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
CRIMINAL JUSTICE COURSES	0243 Criminal Justice	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - CRMJ 1010: Intro to Criminal Justice	3	Social Studies
						RMU - POLS 2020: Criminal Law and Evidence	3	
	0246 Corrections and Social Issues	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	RMU - CRMJ 2010: Corrections	3	Social Studies
						RMU - SOCI 1020: Contemporary American Social Problems	3	
	0627 IT Fundamentals	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	RMU - INFS 1020: Fundamentals of Information Technology	3	Elective
	0629 Cybersecurity	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	RMU - CYBS 2000: Intro to Cybersecurity	3	
GENERAL EDUCATION COURSES	0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies
	0324 AP Statistics	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - STAT 2110: Statistics	3	Math
	0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies
	0242 AP Economics	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - ECON 1010: Survey of Economics	3	Math
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - CSEN 1020: Argument and Research	3	English
	0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English
	0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English
	One of the following:							
	0317 HEC Algebra 2	9th/10th/11th grade	9th/10th/11th grade	9th/10th/11th grade	9th/10th/11th grade	RMU - MATH 1010 College Mathematics	3	Math
	0320 AP Precalculus	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	RMU - MATH 1020 PreCalculus	3	Math
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Math
	One of the following:							
	0133 Classic & Modern Literature	12th grade	12th grade	12th grade	12th grade	RMU - ELIT 1050: Classic & Modern Literature	3	English
	0132 AP English Literature & Composition	12th grade	12th grade	12th grade	12th grade	RMU - ENGL 1040: Reading Literature Coming of Age	3	English
	One of the following:							
	0410 AP Biology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - BIOL 1310/1315 Principles of Biology/Lab	4	Science
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215 Chemistry I/Lab	4	Science
	0412 AP Physics 1	11th grade	11th grade	11th grade	12th grade	RMU - PHYS 1210/1215 General Physics 1/Lab	4	Science

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## CYBERSECURITY PROGRAM

### Accelerated Bachelor of Science in Cybersecurity

46 RMU Credits available to be earned through ECIHSA-RMU concurrent enrollment

7 CCAC Credits available to be earned and transferred to RMU through ECIHSA-CCAC concurrent enrollment

Students could begin at RMU after graduation from WAHS with up to 53 credits

West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
0629 Technology Skills	9th grade	9th grade	9th/10th grade	9th/10th/ 11th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Elective
0627 IT Fundamentals	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	RMU - INFS 1020: Fundamentals of Information Technology	3	Elective
0629 Cybersecurity	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	9th/10th/ 11th/12th grade	RMU - CYBS 2000: Intro to Cybersecurity	3	
0246 Corrections and Social Issues	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	RMU - CRMJ 2010: Corrections (will count as open elective)	3	Social Studies
					RMU - SOCI 1020: Contemporary American Social Problems	3	
0243 Criminal Justice	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - CRMJ 1010: Intro to Criminal Justice (will count as open elective)	3	Social Studies
					RMU - POLS 2020: Criminal Law and Evidence (will count as open elective)	3	
0619 Intro to Data Analytics with Python	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	CCAC - CIT 119: Python 1	3	Math
0242 AP Economics	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - ECON 1010: Survey of Economics	3	Math
0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies
0324 AP Statistics	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - STAT 2110: Statistics	3	Math
0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - CSEN 1020: Argument and Research	3	English
0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English
0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English
One of the following:							
0410 AP Biology	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	11th/12th grade	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science
0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215: Chemistry I/Lab	4	
0412 AP Physics 1	11th grade	11th grade	11th grade	11th grade	RMU - PHYS 1210/1215: General Physics 1/Lab	4	
One of the following:							
0133 Classic & Modern Literature	12th grade	12th grade	12th grade	12th grade	RMU - ELIT 1050: Classic & Modern Literature	3	English
0132 AP English Literature & Composition	12th grade	12th grade	12th grade	12th grade	RMU - ENGL 1040: Reading Literature Coming of Age	3	
One of the following:							
0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies
0238 AP World History	11th grade	11th grade	11th grade	11th grade	RMU - HIST 1700 Western Civilization	3	Social Studies
0239 AP US History	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - HIST 1200 Western Civilization	3	Social Studies

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## EARLY CHILDHOOD EDUCATION PROGRAM

Accelerated Bachelor of Science in Early Childhood Education  
Students could begin at RMU after graduation from WAHS with up to 55 credits

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
EDUCATION COURSES	0727 Family & Community Relations	9th grade	10th grade	11th grade	12th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Elective
	0835 Partners in Physical Education	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - EDUC 2100: Ed Psych /Classroom Management	3	Physical Educ
	0732 Child Development I	10th/11th grade	10th/11th grade	10th/11th grade	10th/11th grade	RMU - EDUC 1500: Foundations of Education	3	Elective
						RMU - ECED 4900: Infant/Toddler Practicum	3	
	0736 Technology for Aspiring Teachers	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - EDUC 2200: Technology for Teachers	3	Elective
	0733 Child Development II	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - SDIN 2100: Disability Studies	3	Elective
						RMU - ENGL 1070: Children's Literature	3	
	0735 Partners in Exploring Foods	10th/11th grade	10th/11th grade	10th/11th grade	10th/11th grade	RMU - SDIN 2010: Introduction to Special Education K-12	3	Elective
GENERAL EDUCATION COURSES	0246 Corrections and Social Issues	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - CRMJ 2010: Corrections (may count as open elective)	3	Social Studies
						RMU - SOCI 1020: Contemporary American Social Problems	3	
	0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies
	0242 AP Economics	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - ECON 1010: Survey of Economics	3	Math
	0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - CSEN 1020: Argument and Research	3	English
	0238 AP World History	11th grade	11th grade	11th grade	11th grade	RMU - HIST 1700 Western Civilization	3	Social Studies
	0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English
	0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English
	One of the following:							
	0320 AP Precalculus	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - MATH 1020 PreCalculus (will this count as course substitution for MATH 1050???)	3	Math
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Math
	0324 AP Statistics	10th/11th/12th grade	10th/11th/12th grade	11th/12th grade	12th grade	RMU - STAT 2110: Statistics	3	Math
	One of the following:							
	0410 AP Biology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - BIOL 1310/1315 Principles of Biology/Lab	4	Science
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215 Chemistry I/Lab	4	Science
	0412 AP Physics 1	11th grade	11th grade	11th grade	12th grade	RMU - PHYS 1210/1215 General Physics 1/Lab	4	Science

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## ENGINEERING PROGRAM

Accelerated Bachelor of Science in Engineering and Master of Science in Engineering Management (several concentrations available)

59 RMU Credits available to be earned through ECIHSA-RMU concurrent enrollment

7 CCAC Credits available to be earned and transferred to RMU through ECIHSA-CCAC concurrent enrollment

Students could begin at RMU after graduation from WAHS with up to 66 credits

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type	
ENGINEERING COURSES	0714 Introduction to Engineering Design	9th grade	10th grade	11th grade	12th grade	RMU - ENGR 1010: Intro to Engineering	3	Elective	
	0709 CADD II	10th grade	10th grade	11th grade	12th grade	RMU - ENGR 2160: Engineering Graphics	3	Elective	
	0715 Engineering Materials	11th grade	11th grade	12th grade	12th grade	RMU - ENGR 2180: Engineering Materials	3	Elective	
	0620 Programming in C# & C++	12th grade	12th grade	12th grade	12th grade	CCAC - CIT 165: Programming in C#	3	Math	
						CCAC - CIT 245 Programming in C++	4		
GENERAL EDUCATION COURSES	0602 Marketing	9th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - MARK 2000: Marketing in the Interconnected World	3	Elective	
	0603 Business Management & Leadership	9th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - MGMT 2000: Management Theory & Practice	3	Elective	
	0616 Financial Accounting	10th/11th grade	10th/11th grade	11th grade	12th grade	RMU - ACCT 2030: Intro to Financial Accounting	3	Math	
	0412 AP Physics 1	11th grade	11th grade	11th grade	11th grade	RMU - PHYS 1210/1215: General Physics 1/Lab	4	Science	
	0246 Corrections and Social Issues	10th/11th/12t h grade	10th/11th/12t h grade	10th/11th/12t h grade	10th/11th/12t h grade	RMU - CRMJ 2010: Corrections ( <i>may count as open elective</i> )	3	Social Studies	
						RMU - SOCI 1020: Contemporary American Social Problems	3		
	0242 AP Economics	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - ECON 1010: Survey of Economics	3	Math	
	0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies	
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Math	
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - CSEN 1020: Argument and Research	3	English	
	0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English	
	0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English	
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215: Chemistry I/Lab	4	Science	
	0325 AP Calculus BC	12th grade	12th grade	12th grade	12th grade	RMU - MATH 2170: Calculus with Analytical Geometry II	3	Math	
	One of the following:								
	0133 Classic & Modern Literature	12th grade	12th grade	12th grade	12th grade	RMU - ELIT 1050: Classic & Modern Literature	3	English	
	0132 AP English Literature & Composition	12th grade	12th grade	12th grade	12th grade	RMU - ENGL 1040: Reading Literature Coming of Age	3		
	One of the following:								
	0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies	
	0238 AP World History	11th grade	11th grade	11th grade	11th grade	RMU - HIST 1700 Western Civilization	3		
	0239 AP US History	10th/11th/12t h grade	10th/11th/12t h grade	10th/11th/12t h grade	10th/11th/12t h grade	RMU - HIST 1200 Western Civilization	3		

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## GENERAL STUDIES

Robert Morris University requires all bachelor degree seeking students to complete 39 core credits as outlined below. Although designed in alignment with RMU's program, most 4-year institutes of higher education have similar requirements. It is highly recommended that students consult intended programs when selecting general studies courses.

Type of General Education Course	West Allegheny Course	Aligned RMU Course(s)	RMU Credits	Pre/Co-requisite(s)	WA Course Type
Communication Skills	0122 AP English Language & Composition	RMU - CSEN 1020: Argument and Research	3	Honors English 10, Teacher recommendation	English
	0151 Oral Communications	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	AP English Lang & Comp (RMU-CSEN1020)	English
Literature	0132 AP English Literature & Composition	RMU - ENGL 1040: Reading Literature Coming of Age	3	Teacher Recommendation	English
	0133 Classic & Modern Literature	RMU - ELIT 1050: Classic & Modern Literature	3	Teacher Recommendation	English
	0733 Child Development 2	RMU - SDIN 2100: Disability Studies	3	Child Development 1	Elective
		RMU - ENGL 1070: Children's Literature	3		
Mathematics	0320 AP Precalculus	RMU - MATH 1020: Precalculus	3	Algebra 2 or HEC Algebra 2	Math
	0323 AP Calculus AB	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Trigonometry & Precalculus or AP Precalculus, Teacher Recommendation	Math
	0325 AP Calculus BC	RMU - MATH 2170: Calculus with Analytical Geometry II	3	AP Calculus AB	Math
	0324 AP Statistics	RMU - STAT 2110: Statistics	3	Algebra 2 or HEC Algebra 2	Math
Science	0410 AP Biology	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Biology or Honors Biology, Teacher Recommendation	Science
	0411 AP Chemistry	RMU - CHEM 1210/1215: Chemistry I/Lab	4	Honors Chemistry, Teacher Recommendation	Science
	0412 AP Physics 1	RMU - PHYS 1210/1215: General Physics 1/Lab	4	Honors Chemistry, Teacher Recommendation	Science
History/Political Science	0232 AP US Government & Politics	RMU - POLS 1020: American National Government	3	Teacher Recommendation	Social Studies
	0238 AP World History	RMU - HIST 1700 Western Civilization	3	Teacher Recommendation	
	0239 AP US History	RMU - HIST 1200 US History 2	3	Teacher Recommendation	Social Studies
	0243 Criminal Justice & Investigations	RMU - CRMJ 1010: Intro to Criminal Justice	3	None	Social Studies
		RMU - POLS 2020: Criminal Law and Evidence	3		
Sociology	0246 Corrections and Social Issues	RMU - CRMJ 2010: Corrections	3	Teacher Recommendation	Social Studies
		RMU - SOCI 1020: Contemporary American Social Problems	3		
Psychology	0240 AP Psychology	RMU - PSYC 1010: General Psychology	3	Teacher Recommendation	Social Studies
Economics	0242 AP Economics	RMU - ECON 1010: Survey of Economics	3	Teacher Recommendation	Math
Arts/Humanities	0134 Film Studies	RMU - HUMA 1010: Art & Music	3	None	English
Computer Information Systems	0627 IT Fundamentals	RMU - INFS 1020: Fundamentals of Information Technology	3	None	Elective
	0629 Cybersecurity	RMU - CYBS 2000: Intro to Cybersecurity	3	None	

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## SPECIAL EDUCATION PROGRAM

### Accelerated Bachelor of Science in Special Education

Students could begin at RMU after graduation from WAHS with up to 46 credits

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
SPECIAL EDUCATION COURSES	0835 Partners in Physical Education	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	10th/11th/ 12th grade	RMU - EDUC 2100: Ed Psych /Classroom Management	3	Physical Educ
	0736 Technology for Aspiring Teachers	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - EDUC 2200: Technology for Teachers	3	Elective
	0732 Child Development 1	10th/11th grade	10th/11th grade	10th/11th grade	10th/11th grade	RMU - EDUC 1500: Foundations of Education	3	Elective
						RMU - ECED 4900: Infant/Toddler Practicum	3	
	0735 Partners in Exploring Foods	10th/11th grade	10th/11th grade	10th/11th grade	10th/11th grade	RMU - SDIN 2010: Introduction to Special Education K-12	3	Elective
	0733 Child Development 2	11th/12th grade	11th/12th grade	11th/12th grade	11th/12th grade	RMU - SDIN 2100: Disability Studies	3	Elective
						RMU - ENGL 1070: Children's Literature	3	
	0737 West A Café	12th grade	12th grade	12th grade	12th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Elective
GENERAL EDUCATION COURSES	0232 AP US Government & Politics	10th grade	10th grade	10th grade	10th grade	RMU - POLS 1020: American National Government	3	Social Studies
	0242 AP Economics	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - ECON 1010: Survey of Economics	3	Math
	0240 AP Psychology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - PSYC 1010: General Psychology	3	Social Studies
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - CSEN 1020: Argument and Research	3	English
	0134 Film Studies	12th grade	12th grade	12th grade	12th grade	RMU - HUMA 1010: Art & Music	3	English
	0151 Oral Communications	12th grade	12th grade	12th grade	12th grade	RMU - CSCM 1030: Communications, Public Speaking and Persuasion	3	English
	One of the following:							
	0320 AP Precalculus	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - MATH 1020 PreCalculus (will this count as course substitution for MATH 1050???)	3	Math
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Math
	0324 AP Statistics	10th/11th/ 12th grade	10th/11th/ 12th grade	11th/12th grade	12th grade	RMU - STAT 2110: Statistics	3	Math
	One of the following:							
	0410 AP Biology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - BIOL 1310/1315 Principles of Biology/Lab	4	Science
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215 Chemistry I/Lab	4	Science
	0412 AP Physics 1	11th grade	11th grade	11th grade	12th grade	RMU - PHYS 1210/1215 General Physics 1/Lab	4	Science

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## PRE-ART THERAPY PROGRAM

### Accelerated Bachelor of Arts in Pre-Art Therapy

Students could begin at SHU after graduation from WAHS with up to 50 credits

		West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
Core Program Courses		0743 Honors Art IV	12th	12th	12th	12th	SHU - SAR 120: 2-D Design	3	Elective
		0744 AP Drawing	12th	12th	12th	12th	SHU - SAR 115: Drawing	3	Elective
		0746 Advanced Ceramics 2	11th	11th	11th	12th	SHU - SAR 225: Clay	3	Elective
		0240 AP Psychology	11th/12th	11th/12th	11th/12th	12th	RMU - PSYC 1010: General Psychology	3	Social Studies
Liberal Arts Curriculum (Gen. Ed. Courses)	3-6 credits of Communication and Problem Solving	0122 AP English Language & Composition	11th/12th	11th/12th	11th/12th	12th	RMU - CSEN 1020: Argument & Research	3	English
		0151 Oral Communications	12th	12th	12th	12th	RMU - CSCM 1030: Communications, Public Speaking & Persuasion	3	English
		0150 Creative Writing	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 153: Intro to Creative Writing	3	English
		0152 Journalism	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 160: News, Arts, & Sports Writing	3	English
		0133 Classic & Modern Literature	12th	12th	12th	12th	RMU - ELIT 1050: Classic & Modern Literature	3	English
		0132 AP English Literature & Composition	12th	12th	12th	12th	RMU - ENGL 1040: Reading Literature Coming of Age	3	English
	15-18 credits of Historical, Cultural, and Global Awareness (3-6 credits of Modern Languages)	0134 Film Studies	12th	12th	12th	12th	RMU - HUMA 1010: Art & Music	3	English
		0232 AP U.S. Government & Politics	10th	10th	10th	10th	RMU - POLS 1020: American National Government	3	Social Studies
		0238 AP World History	11th	11th	11th	11th	RMU - HIST 1700 Western Civilization	3	Social Studies
		0502 Spanish 3	10th	10th/11th	10th/11th	12th	SHU - SSP 105: Elementary Spanish Lang & Culture 2	3	Social Studies
		0503 Honors Spanish 4	11th	11th	11th	12th	SHU - SSP 205: Intermediate Spanish Lang & Culture	3	Social Studies
		0504 AP Spanish	12th	12th	12th	12th	SHU - SSP 250: Topics in Spanish Usage	3	Social Studies
		0522 German 3	10th	10th/11th	10th/11th	12th	SHU - SGE 105: Elementary German Lang & Culture 2	3	Social Studies
		0523 Honors German 4	11th	11th	11th	12th	SHU - SGE 205: Intermediate German Lang & Culture 1	3	Social Studies
		0524 AP German	12th	12th	12th	12th	SHU - SGE 210: Intermediate German Lang & Culture 2	3	Social Studies
	12-14 credits of Multiple Models of Inquiry, Reasoning, and Expression (3-4 credits of Mathematics, 3-4 credits of Natural Science, 3 credits of Social Sciences)	0317 Honors Early College Algebra 2	9th	10th	11th	12th	RMU - MATH 1010: College Mathematics	3	Mathematics
		0320 AP Precalculus	10th	10th	11th	12th	RMU - MATH 1020: Precalculus	3	Mathematics
		0323 AP Calculus AB	10th	10th	11th	12th	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Mathematics
		0325 AP Calculus BC	12th	12th	12th	12th	RMU - MATH 2170: Calculus with Analytical Geometry II	3	Mathematics
		0324 AP Statistics	10th	10th	11th	12th	RMU - STAT 2110: Statistics	3	Mathematics
		0410 AP Biology	10th/11th/12th	10th/11th/12th	11th/12th	11th/12th	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science
		0411 AP Chemistry	12th	12th	12th	12th	RMU - CHEM 1210/1215: Chemistry I/Lab	4	Science
		0412 AP Physics 1	11th	11th	11th	11th	RMU - PHYS 1210/1215: General Physics 1/Lab	4	Science
		0413 AP Physics 2	12th	12th	12th	12th	SHU - SPH 108/109: College Physics II/Lab	4	Science
		0243 Criminal Justice	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - CRMJ 1010: Intro to Criminal Justice	3	Social Studies
							RMU - POLS 2020: Criminal Law and Evidence	3	
		0246 Corrections and Social Issues	10th/11th/12th	10th/11th/12th	10th/11th/12th	10th/11th/12th	RMU - CRMJ 2010: Corrections	3	Social Studies
							RMU - SOCI 1020: Contemporary American Social Problems	3	

\*Last updated January 2025

## ART EDUCATION PROGRAM

### Accelerated Bachelor of Arts in Art Education

Students could begin at SHU after graduation from WAHS with up to 62 credits

		West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
Core Program Courses		AP Drawing	12th				SHU - SAR 115: Drawing	3	Elective
		Honors Art IV	12th				SHU - SAR 120: 2-D Design	3	Elective
		Advanced Ceramics	11th/12th	11th/12th			SHU - SAR 225: Clay	3	Elective
		0736 Technology for Aspiring Teachers	11th/12th	11th/12th	11th/12th	11th/12th	RMU - EDUC 2200: Technology for Teachers	3	Elective
		0735 Partners in Exploring Foods	10th/11th	10th/11th	10th/11th	10th/11th	RMU - SDIN 2010: Introduction to Special Education K-12	3	Elective
		0732 Child Development I	10th/11th	10th/11th	10th/11th	10th/11th	RMU - EDUC 1500: Foundations of Education	3	Elective
							RMU - ECED 4900: Infant/Toddler Practicum	3	
		0733 Child Development II	11th/12th	11th/12th	11th/12th	11th/12th	RMU - SDIN 2100: Disability Studies	3	Elective
							RMU - ENGL 1070: Children's Literature	3	
Liberal Arts Curriculum (Gen. Ed. Courses)	3-6 credits of Communication and Problem Solving	0835 Partners in Physical Education	10th/11th/12th	10th/11th/12th	10th/11th/12th	10th/11th/12th	RMU - EDUC 2100: Ed Psych /Classroom Management	3	Physical Educ
		0122 AP English Language & Composition	11th/12th	11th/12th	11th/12th	12th	RMU - CSEN 1020: Argument & Research	3	English
		0151 Oral Communications	12th	12th	12th	12th	RMU - CSCM 1030: Communications, Public Speaking & Persuasion	3	English
		0150 Creative Writing	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 153: Intro to Creative Writing	3	English
		0152 Journalism	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 160: News, Arts, & Sports Writing	3	English
		0133 Classic & Modern Literature	12th	12th	12th	12th	RMU - ELIT 1050: Classic & Modern Literature	3	English
	15-18 credits of Historical, Cultural, and Global Awareness (3-6 credits of Modern Languages)	0132 AP English Literature & Composition	12th	12th	12th	12th	RMU - ENGL 1040: Reading Literature Coming of Age	3	English
		0134 Film Studies	12th	12th	12th	12th	RMU - HUMA 1010: Art & Music	3	English
		0232 AP U.S. Government & Politics	10th	10th	10th	10th	RMU - POLS 1020: American National Government	3	Social Studies
		0240 AP Psychology	11th/12th	11th/12th	11th/12th	12th	RMU - PSYC 1010: General Psychology	3	Social Studies
	12-14 credits of Multiple Models of Inquiry, Reasoning, and Expression (3-4 credits of Mathematics, 3-4 credits of Natural Science, 3 credits of Social Sciences)	0238 AP World History	11th	11th	11th	11th	RMU - HIST 1700 Western Civilization	3	Social Studies
		0317 Honors Early College Algebra 2	9th	10th	11th	12th	RMU - MATH 1010: College Mathematics	3	Mathematics
		0320 AP Precalculus	10th	10th	11th	12th	RMU - MATH 1020: Precalculus	3	Mathematics
		0323 AP Calculus AB	10th	10th	11th	12th	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Mathematics
		0324 AP Statistics	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - STAT 2110: Statistics	3	Mathematics
		0325 AP Calculus BC	12th	12th	12th	12th	RMU - MATH 2170: Calculus with Analytical Geometry II	3	Mathematics
		0410 AP Biology	10th/11th/12th	10th/11th/12th	11th/12th	11th/12th	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science
		0411 AP Chemistry	12th	12th	12th	12th	RMU - CHEM 1210/1215: Chemistry I/Lab	4	Science
		0412 AP Physics 1	11th	11th	11th	11th	RMU - PHYS 1210/1215: General Physics 1/Lab	4	Science
		0413 AP Physics 2	12th	12th	12th	12th	SHU - SPH 108/109: College Physics II/Lab	4	Science
		0246 Corrections and Social Issues	10th/11th/12th	10th/11th/12th	10th/11th/12th	10th/11th/12th	RMU - CRMJ 2010: Corrections	3	Social Studies
				10th/11th/12th	10th/11th/12th	10th/11th/12th	RMU - SOCI 1020: Contemporary American Social Problems	3	
		0243 Criminal Justice	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - CRMJ 1010: Intro to Criminal Justice	3	Social Studies
			10th/11th/12th	10th/11th/12th			RMU - POLS 2020: Criminal Law and Evidence	3	

\*Last updated January 2025

## EXERCISE SCIENCE PROGRAM

### Accelerated Bachelor of Science in Exercise Science

Students could begin at SHU after graduation from WAHS with up to 51 credits

		West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
Core Program Courses		Exercise Science	11th/12th	11th/12th	11th/12th	12th	SHU - SER 110: Introduction to Exercise Science	3	Science
		Nutrition for Life	11th/12th	11th/12th	11th/12th	12th	SHU - SNT 160: Nutrition for Life	3	Science
		0412 AP Physics 1	11th	11th	11th	12th	RMU - PHYS 1210/1215 General Physics I/Lab	4	Science
		0324 AP Statistics	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - STAT 2110: Statistics	3	Math
Liberal Arts Curriculum (Gen. Ed. Courses)	3-6 credits of Communication and Problem Solving	0122 AP English Language & Composition	11th/12th	11th/12th	11th/12th	12th	RMU - CSEN 1020: Argument & Research	3	English
		0151 Oral Communications	12th	12th	12th	12th	RMU - CSCM 1030: Communications, Public Speaking & Persuasion	3	English
		0150 Creative Writing	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 153: Intro to Creative Writing	3	English
		0152 Journalism	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 160: News, Arts, & Sports Writing	3	English
		0133 Classic & Modern Literature	12th	12th	12th	12th	RMU - ELIT 1050: Classic & Modern Literature	3	English
		0132 AP English Literature & Composition	12th	12th	12th	12th	RMU - ENGL 1040: Reading Literature Coming of Age	3	English
	15-18 credits of Historical, Cultural, and Global Awareness (3-6 credits of Modern Languages)	0134 Film Studies	12th	12th	12th	12th	RMU - HUMA 1010: Art & Music	3	English
		0232 AP U.S. Government & Politics	10th	10th	10th	10th	RMU - POLS 1020: American National Government	3	Social Studies
		0238 AP World History	11th	11th	11th	11th	RMU - HIST 1700 Western Civilization	3	Social Studies
		0502 Spanish 3	10th	10th/11th	10th/11th	12th	SHU - SSP 105: Elementary Spanish Lang & Culture 2	3	Social Studies
		0503 Honors Spanish 4	11th	11th	11th	12th	SHU - SSP 205: Intermediate Spanish Lang & Culture	3	Social Studies
		0504 AP Spanish	12th	12th	12th	12th	SHU - SSP 250: Topics in Spanish Usage	3	Social Studies
		0522 German 3	10th	10th/11th	10th/11th	12th	SHU - SGE 105: Elementary German Lang & Culture 2	3	Social Studies
		0523 Honors German 4	11th	11th	11th	12th	SHU - SGE 205: Intermediate German Lang & Culture 1	3	Social Studies
		0524 AP German	12th	12th	12th	12th	SHU - SGE 210: Intermediate German Lang & Culture 2	3	Social Studies
	12-14 credits of Multiple Models of Inquiry, Reasoning, and Expression (3-4 credits of Natural Science, 3 credits of Social Sciences)	0317 Honors Early College Algebra 2	9th	10th	11th	12th	RMU - MATH 1010: College Mathematics	3	Mathematics
		0320 AP Precalculus	10th	10th	11th	12th	RMU - MATH 1020: Precalculus	3	Mathematics
		0323 AP Calculus AB	10th	10th	11th	12th	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Mathematics
		0325 AP Calculus BC	12th	12th	12th	12th	RMU - MATH 2170: Calculus with Analytical Geometry II	3	Mathematics
		0410 AP Biology	10th/11th/12th	10th/11th/12th	11th/12th	11th/12th	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science
		0411 AP Chemistry	12th	12th	12th	12th	RMU - CHEM 1210/1215: Chemistry I/Lab	4	Science
		0413 AP Physics 2	12th	12th	12th	12th	SHU - SPH 108/109: College Physics II/Lab	4	Science
		0240 AP Psychology	11th/12th	11th/12th	11th/12th	12th	RMU - PSYC 1010: General Psychology	3	Social Studies
		0243 Criminal Justice	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - CRMJ 1010: Intro to Criminal Justice	3	Social Studies
							RMU - POLS 2020: Criminal Law and Evidence	3	
		0246 Corrections and Social Issues	10th/11th/12th	10th/11th/12th	10th/11th/12th	10th/11th/12th	RMU - CRMJ 2010: Corrections	3	Social Studies
							RMU - SOCI 1020: Contemporary American Social Problems	3	

\*Last updated January 2025



## GLOBAL STUDIES PROGRAM

### Accelerated Bachelor of Arts in Global Studies

Students could begin at SHU after graduation from WAHS with up to 65 credits

		West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	College Course(s)	Credits	WA Course Type
Core Program Courses including 9 credits of language study		0502 Spanish 3	10th	10th/11th	10th/11th	12th	SHU - SSP 105: Elementary Spanish Lang & Culture 2	3	Social Studies
		0503 Honors Spanish 4	11th	11th	11th	12th	SHU - SSP 205: Intermediate Spanish Lang & Culture	3	Social Studies
		0504 AP Spanish	12th	12th	12th	12th	SHU - SSP 250: Topics in Spanish Usage	3	Social Studies
		0522 German 3	10th	10th/11th	10th/11th	12th	SHU - SGE 105: Elementary German Lang & Culture 2	3	Social Studies
		0523 Honors German 4	11th	11th	11th	12th	SHU - SGE 205: Intermediate German Lang & Culture 1	3	Social Studies
		0524 AP German	12th	12th	12th	12th	SHU - SGE 210: Intermediate German Lang & Culture 2	3	Social Studies
		0324 AP Statistics	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - STAT 2110: Statistics	3	Mathematics
		0246 Corrections and Social Issues	10th/11th/12th	10th/11th/12th	10th/11th/12th	10th/11th/12th	RMU - CRMJ 2010: Corrections	3	Social Studies
							RMU - SOCI 1020: Contemporary American Social Problems	3	
		0243 Criminal Justice	10th/11th/12th	10th/11th/12th	11th/12th	12th	RMU - CRMJ 1010: Intro to Criminal Justice	3	Social Studies
							RMU - POLS 2020: Criminal Law and Evidence	3	
		0602 Marketing	9th/10th	10th/11th	11th	12th	RMU - MARK 2000: Marketing in the Interconnected World	3	Elective
		0603 Business Management & Leadership	9th/10th	10th/11th	11th	12th	RMU - MGMT 2000: Management Theory & Practice	3	Elective
		0242 AP Economics	11th/12th	11th/12th	11th/12th	12th	RMU - ECON 1010: Survey of Economics	3	Math
Liberal Arts Curriculum (Gen. Ed. Courses)	3-6 credits of Communication and Problem Solving	0122 AP English Language & Composition	11th/12th	11th/12th	11th/12th	12th	RMU - CSEN 1020: Argument & Research	3	English
		0151 Oral Communications	12th	12th	12th	12th	RMU - CSCM 1030: Communications, Public Speaking & Persuasion	3	English
		0150 Creative Writing	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 153: Intro to Creative Writing	3	English
		0152 Journalism	11th/12th	11th/12th	11th/12th	12th	SHU - SEL 160: News, Arts, & Sports Writing	3	English
		0133 Classic & Modern Literature	12th	12th	12th	12th	RMU - ELIT 1050: Classic & Modern Literature	3	English
		0132 AP English Literature & Composition	12th	12th	12th	12th	RMU - ENGL 1040: Reading Literature Coming of Age	3	English
	15-18 credits of Historical, Cultural, and Global Awareness (3-6 credits of Modern Languages)	0134 Film Studies	12th	12th	12th	12th	RMU - HUMA 1010: Art & Music	3	English
		0232 AP U.S. Government & Politics	10th	10th	10th	10th	RMU - POLS 1020: American National Government	3	Social Studies
		0240 AP Psychology	11th/12th	11th/12th	11th/12th	12th	RMU - PSYC 1010: General Psychology	3	Social Studies
		0238 AP World History	11th	11th	11th	11th	RMU - HIST 1700 Western Civilization	3	Social Studies
	12-14 credits of Multiple Models of Inquiry, Reasoning, and Expression (3-4 credits of Mathematics, 3-4 credits of Natural Science, 3 credits of Social Sciences)	0317 Honors Early College Algebra 2	9th	10th	11th	12th	RMU - MATH 1010: College Mathematics	3	Mathematics
		0320 AP Precalculus	10th	10th	11th	12th	RMU - MATH 1020: Precalculus	3	Mathematics
		0323 AP Calculus AB	10th	10th	11th	12th	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Mathematics
		0325 AP Calculus BC	12th	12th	12th	12th	RMU - MATH 2170: Calculus with Analytical Geometry II	3	Mathematics
		0410 AP Biology	10th/11th/12th	10th/11th/12th	11th/12th	11th/12th	RMU - BIOL 1310/1315: Principles of Biology/Lab	4	Science
		0411 AP Chemistry	12th	12th	12th	12th	RMU - CHEM 1210/1215: Chemistry I/Lab	4	Science
		0412 AP Physics 1	11th	11th	11th	11th	RMU - PHYS 1210/1215: General Physics 1/Lab	4	Science
		0413 AP Physics 2	12th	12th	12th	12th	SHU - SPH 108/109: College Physics II/Lab	4	Science

\*Last updated January 2025



## HEALTH SCIENCES

This program is designed to support students interested in entering the Health Sciences field. The program design is aligned to CCAC's Nursing associate degree program but includes courses taken at WAHS through ECIHSA-CCAC, RMU, and/or Seton Hill as well as courses taken at CCAC West Hills Center.

### WA Concurrent Enrollment courses to be take @ WAHS

Recom. Timeframe	CCAC Course Requirement	WA Course (College course to be transferred to CCAC)	Counts as	WA Credits	College Credits
When appropriate for student	Mathematics Course (students make take one of the available ECIHSA-RMU courses)	HEC Algebra 2 (RMU-MATH 1010: College Mathematics)	WA Mathematics Credit	1	3
		AP Precalculus (RMU-MATH 1020: Precalculus)			
		AP Calculus AB (RMU-MATH 2070: Calculus w/Anal Geometry 1)			
		AP Calculus BC (RMU-MATH 2170: Calculus w/Anal Geometry 2)			
		AP Statistics (RMU-STAT 2110: Statistics)			
Sophomore Year	BIO 151: General Biology 1	AP Biology (RMU-BIOL 1310/1315: Principles of Biology/Lab)	WA Science Credit	1.5	4
Junior/Senior Year	CHM 151: General Chemistry 1	AP Chemistry (RMU-CHEM 1210/1215: Chemistry 1/Lab)	WA Science Credit	1.5	4
Junior/Senior Year	PSY 101: Intro to Psychology	AP Psychology (RMU-PSYC 1010: General Psychology)	WA Social Studies Credit	1	3
Junior Year	ENG 102: English Composition 2 (ENG 101: English Composition 1 with a AP exam score of 3 or higher)	AP English Language & Composition (RMU-CSEN 1020: Argument & Research)	WA English Credit	1	3
<b>Total WAHS Concurrent Enrollment Classes through CCAC or RMU</b>				<b>6</b>	<b>17</b>

### Senior Year Health Sciences Courses (CCAC West Hills Center)

Recom. Timeframe	CCAC Course Requirement	Counts as	WA Credits	College Credits
Fall	BIO 161: Anatomy & Physiology 1	WA Science Credit	1	4
Fall	PSY 108: Human Growth & Development	WA Social Studies Credit	1	3
Spring	BIO 162: Anatomy & Physiology 2	WA Science Credit	1	4
Spring	ASL 101: Elementary ASL 1 (counts as Humanities Elective)	WA Elective Credit	1	3
<b>Total in Junior Year</b>			<b>4</b>	<b>14</b>

*Courses to complete after graduation will vary based on students degree plan.*

*Students intending to enter CCAC's nursing program may apply during the spring semester of their senior year as long as they meet the general program requirements.*

\*Courses/curriculum are subject to change at the college's discretion.

Reviewed December 2024



## MECHATRONICS TECHNOLOGY PROGRAM

Mechatronics Technology Certificate: 5 WA Courses; 33 CCAC credits

West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	CCAC courses	CCAC credits	Prerequisite	WA Course Type
0704 Principles of Technology (starting 25-26 sy)	9th grade	10th grade	11th grade	12th grade	CCAC - MEC 111: Mechatronics & Industry 4.0	3	None	Elective
0701 Electrical & Mechanical Systems	9th grade	10th grade	11th grade	12th grade	CCAC - EET 103: Intro to Electronics	3	None	Elective
					CCAC - EGR 181: Intro to Mechanical Systems	3		
0700 Manufacturing 1	9th/10th/ 11th/12th grade	10th/11th/1 2th grade	11th/12th grade	12th grade	CCAC - MEC 107: Manufacturing Tech: Math, Technology & Reasoning	3	None	Elective
					CCAC - MEC 109: Manufacturing Tech: Processes, Controls & Quality	3		
0702 Fluid Systems	10th grade	11th grade	11th grade	12th grade	CCAC - MEC 156: Motors & Motor Control	3	None	Elective
					CCAC - EGR 170: Fluid Power Systems	3		
0716 Digital Electronics	11th grade	11th grade	12th grade		CCAC - MEC 106: Industrial Power Systems	3	None	Elective
					CCAC - EET 208: Digital Electronics	3		
0703 Power Systems	12th grade	12th grade	12th grade		CCAC - MEC 108: Program Logic Controllers	3	Electrical & Mechanical Systems-Fab-Lab (CCAC-EET 103)	Elective
					CCAC - MEC 112: Intro to Robotics	3		

\*Courses/curriculum are subject to change at the college's discretion.

Updated December 2024



## MULTIMEDIA GAME SIMULATION PROGRAM

For students that started the program during the 2024-2025 school year or later

Multimedia Programming, Simulation, & Gaming Associate Degree: 12 -13 WA Courses (depending on student choice for Restricted ELA course) – 43-46 CCAC credits & 19-23 RMU credits  
 Multimedia Game Simulation Certificate: 6 WA Courses – 18 CCAC Credits & 3 RMU credits  
 \*\*Completion of the degree requires students to take at least 1 course outside of the course offering available at WAHS\*\*

	West Allegheny Course	Starting 9th grade	Starting 10th grade	Starting 11th grade	Starting 12th grade	CCAC courses	CCAC credits	Prerequisite	WA Course Type
	0617 AP Computer Science Principles <small>(Only required for students completing the certificate and choosing not to take AP Comp Sci A)</small>	9th grade	10th grade	11th grade	12th grade	NOT ELIGIBLE FOR COLLEGE CREDIT nor required for program completion	0	Algebra 1	Math
Certificate Courses	0621 Introduction to Game Design	9th grade	10th grade	11th grade	12th grade	CCAC - MMC 160: Game Design & Layout	3	Qualifying score on CCAC related placement test	Elective
						CCAC - MMC 113: Multimedia Graphics (starting 24-25)	3	None	Elective
	0625 2D/3D Game Development	11th grade	11th grade	11th grade	11th grade	CCAC - MMC 165: 2D Game Design & Creation	3	AP Comp Science A or AP Computer Science Principles (WA only)	Math
						CCAC - MMC 250: Game Environments & Interactivity	3		
	0623 3D Modeling & Animation	11th grade	11th grade	11th/12th grade	12th grade	CCAC - MMC 260: 3D Modeling Design and Layout	3	None	Elective
						CCAC - MMC 270: 3D Animation and Design	3		
	0240 AP Psychology	11th grade	11th grade	11th grade	11th grade	RMU - PSYC 1010: General Psychology	3	Teacher recommendation	Social Studies
Additional Courses Required for Associate Degree	0618 AP Computer Science A	11th grade	11th grade	11th grade	12th grade	CCAC - CIT 111: Intro to Programming: Java	4	Qualifying score on CCAC related placement test(s); Algebra 2 (or concurrent enrollment)	Math
						CCAC - CIT 130: Object Oriented Programming with Java	4		
	0620 Programming in C# & C++	12th grade	12th grade	12th grade		CCAC - CIT 165: Programming in C#	4	AP Computer Science A (CIT 111 & CIT 130)	Math
						CCAC - CIT 245 Data Structures and Algorithms using C++	4		
	0626 Virtual Reality	12th grade	12th grade	12th grade	12th grade	CCAC - MMC 170: Virtual Design and Simulated Realities (registered for fall)	3	Intro to Game Design (CCAC-MMC 160); 2D/3D Game Development	Science
						CCAC - ART 144: Digital Photography (Asynch through CCAC in spring)	3		
	0624 Game Production & Marketing	12th grade	12th grade	12th grade	12th grade	CCAC - MMC 280: Multimedia Capstone (registered for spring semester due to prereq)	3	All other courses in the program must be successfully completed before taking this course	Social Studies
	0122 AP English Language & Composition	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - CSEN 1020: Argument and Research	3	Teacher recommendation	English
	CCAC ENG 101 - English Composition 1 <small>–Taken directly through CCAC on your own</small>	12th grade	12th grade	12th grade	12th grade	Taken directly through CCAC or transferred in from RMU (students will schedule outside of school registration)	3	TBD	Elective
	RESTRICTED ELA ELECTIVE <small>–Taken directly through CCAC or Child Development 2 (prereq of Child Dev 1) - for RMU ENGL 1070 credit or Classic &amp; Modern Literature (RMU ENGL 1050)</small>	12th grade	12th grade	12th grade	12th grade	Taken directly through CCAC or transferred in from RMU (students will schedule outside of school registration)	3	TBD	Elective
	One of the following:								
	0317 HEC Algebra 2	9th/10th/11th grade	9th/10th/11th grade	9th/10th/11th grade	9th/10th/11th grade	RMU - MATH 1010 College Mathematics	3	Teacher recommendation	Math
	0320 AP Precalculus	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	10th/11th/12th grade	RMU - MATH 1020 PreCalculus	3	Teacher recommendation	Math
	0323 AP Calculus AB	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - MATH 2070: Calculus with Analytical Geometry I	3	Teacher recommendation	Math
	One of the following:								
	0410 AP Biology	11th/12th grade	11th/12th grade	11th/12th grade	12th grade	RMU - BIOL 1310/1315 Principles of Biology/Lab	4	Teacher recommendation	Science
	0411 AP Chemistry	12th grade	12th grade	12th grade	12th grade	RMU - CHEM 1210/1215 Chemistry I/Lab	4	Teacher recommendation	
	0412 AP Physics 1	11th grade	11th grade	11th grade	12th grade	RMU - PHYS 1210/1215 General Physics 1/Lab	4	Teacher recommendation	

\*Courses/curriculum are subject to change at the college's discretion.

\*\*Students that begin in 11th grade or 12th grade grade may not be able to finish associate degree without taking courses beyond those taking during the traditional school day or at WAHS.

Updated December 2024



## AVIATION PROGRAM: AEROSPACE MANAGEMENT ASSOCIATE DEGREE

Students will begin the program Junior year and finish additional courses after graduation.  
Length of program will vary based on students flight hours.

WA Concurrent Enrollment courses to be taken @ WAHS					
Recom. Timeframe	CCBC Course Requirement	WA Course (College course to be transferred to CCBC)	Counts as	WA Credits	College Credits
Sophomore Year	Social Science Elective - SELECT ONE	0232 AP US Government & Politics (WA ECIHSA-RMU POLS 1020: American National Government)	WA Social Studies Credit	1	3
Sophomore or Junior Year		0246 Corrections & Social Issues (WA ECIHSA-RMU POLS 1020: Contemporary American Social Problems--the CRMJ 2010: Corrections course associated with the WA course does not count towards the CCBC program)	WA Social Studies Credit	1	6
When appropriate for student	CIST 1000: Intro to Information Technology	0627 IT Fundamentals (WA ECIHSA-RMU INFS 1020: Fundamentals of Information Technology)	WA Elective Credit	1	6
Junior Year	BUSM 112: Principles of Management	0603 Business Management & Leadership (WA ECIHSA-RMU MGMT 2000: Management Theory & Practice)	WA Elective Credit	1	3
Junior Year	BUSM 245: Principles of Marketing	0602 Marketing (WA ECIHSA-RMU MARK 2000: Marketing in the Interconnected World)	WA Elective Credit	1	3
Junior Year	ACCT 110: Financial Accounting	0616 Financial Accounting (WA ECIHSA-RMU ACCT 2030: Intro to Financial Accounting)	WA Math Credit	1	3
Senior Year	BUSM 255: Macroeconomics	0242 AP Economics (WA ECIHSA-RMU ECON 1010: Survey of Economics)	WA Social Studies Credit	1	3
Senior Year	ACCT 111: Managerial Accounting	0613 Managerial Accounting (WA ECIHSA-RMU ACCT 2060: Managerial Accounting)	WA Math Credit	1	3
Senior Year	Literature Elective - SELECT ONE	0132 AP English Literature & Composition (WA ECIHSA-RMU ENGL 1040: Reading Literature Coming of Age)	WA English Credit	1	3
Senior Year		0133 Classic & Modern Literature (WA ECIHSA-RMU ELIT 1050: Classic & Modern Literature)	WA English Credit	1	3
Junior/Senior Year		0733 Child Development 2 (WA ECIHSA-RMU ENGL 1070: Children's Literature--the SDIN 2100: Disability Studies course associated with the WA course does not count towards the CCBC program)	WA English Credit	1	6
Senior Year	Humanities Elective - SELECT ONE	0151 Oral Communications (WA ECIHSA-RMU CSCM 1030: Communications, Public Speaking and Persuasion)	WA English Credit	1	3
Senior Year		0134 Film Studies (WA ECIHSA-RMU HUMA 1010: Art & Music)	WA English Credit	1	3
Total WAHS Concurrent Enrollment Classes					
Junior Year Aviation Courses (Chippewa Campus or Online)					
Recom. Timeframe	CCBC Course Requirement	WA Course (College course to be transferred to CCBC)	Counts as	WA Credits	College Credits
Fall	AVIP 100: Titian Transition		WA Elective Credit	1	1
Fall	AVIP 120: Foundations & Development of Aviation		WA Social Studies Credit	1	3
Fall	WRIT 101: English Composition - Student may elect to take WAHS-0122 AP English Language & Composition (ECIHSA-RMU CSEN 1020) instead (runs full year)		WA English Credit	1	3
Spring	AVIP 160: Private Pilot Flight Theory		WA Elective Credit	1	7
Total in Junior Year				4	14
Senior Year Aviation Courses (Chippewa Campus or Online)					
Recom. Timeframe	CCBC Course Requirement	WA Course (College course to be transferred to CCBC)	Counts as	WA Credits	College Credits
Fall	MATH 126: Statistics		WA Math Credit	1	4
Fall	AVIP 260: Human Factors Theory		WA Science Credit	1	3
Spring	AVIC 235: Traffic Control Procedures		WA Elective Credit	1	3
Spring	AVIP 205: Aircraft Engines & Systems		WA Elective Credit	1	4
TOTAL in Senior Year				4	14
Recom. Timeframe	First year after graduation			Credits	
Fall	BUSM 108: Entrepreneurship			3	
Fall	BUSC 210: Organizational Behavior			3	
Total for first year after graduation				6	

\*Courses/curriculum are subject to change at the college's discretion.  
Updated January 2025



## AVIATION PROGRAM: AIR TRAFFIC CONTROLLER ASSOCIATE DEGREE

Students will begin the program Junior year and finish additional courses after graduation.  
Length of program will vary based on students flight hours.

WA Concurrent Enrollment courses to be taken @ WAHS					
Recom. Timeframe	CCBC Course Requirement	WA Course (College course to be transferred to CCBC)	Counts as	WA Credits	College Credits
When appropriate for student	CIST 1000: Intro to Information Technology	0627 IT Fundamentals (WA ECIHSA-RMU INFS 1020: Fundamentals of Information Technology)	WA Elective Credit	1	6
Senior Year	Literature Elective - SELECT ONE	0132 AP English Literature & Composition (WA ECIHSA-RMU ENGL 1040: Reading Literature Coming of Age)	WA English Credit	1	3
Senior Year		0133 Classic & Modern Literature (WA ECIHSA-RMU ELIT 1050: Classic & Modern Literature)	WA English Credit	1	3
Junior/Senior Year		0733 Child Development 2 (WA ECIHSA-RMU ENGL 1070: Children's Literature--the SDIN 2100: Disability Studies course associated with the WA course does not count towards the CCBC program)	WA English Credit	1	6
Total WAHS Concurrent Enrollment Classes through CCAC or RMU					
Junior Year Aviation Courses (Chippewa Campus or Online)					
Recom. Timeframe	CCBC Course Requirement		Counts as	WA Credits	College Credits
Fall	AVIP 100: Titian Transition		WA Elective Credit	1	1
Fall	AVIP 120: Foundations & Development of Aviation		WA Social Studies Credit	1	3
Fall	WRIT 101: English Composition Student may elect to take WAHS-0122 AP English Language & Composition (ECIHSA-RMU CSEN 1020) instead (runs full year)		WA English Credit	1	3
Spring	AVIP 160: Flight Theory Fundamentals		WA Elective Credit	1	7
Total in Junior Year				4	14
Senior Year Aviation Courses (Chippewa Campus or Online)					
Recom. Timeframe	CCBC Course Requirement	WA Course (College course to be transferred to CCBC)	Counts as	WA Credits	College Credits
Fall	MATH 126: Statistics		WA Math Credit	1	4
Fall	AVIP 260: Human Factors Theory		WA Science Credit	1	3
Spring	AVIC 235: Traffic Control Procedures		WA Elective Credit	1	3
Spring	AVIP 205: Aircraft Engines & Systems		WA Elective Credit	1	4
TOTAL in Senior Year				4	14
Recom. Timeframe	Courses to complete after graduation			Credits	
Fall	AVIC 180: Flight Theory Fundamentals II			7	
Fall	AVIC 200: ATC Flight Fundamentals			1	
Spring	AVIC 239: Facility Rating 1			6	
Spring	AVIC 247: Approach Control 1			4	
Summer	AVIC 238: Facility Rating 2			5	
Summer	AVIC 248: Approach Control 2			4	
Fall	AVIC 252: Non-Radar			4	
Fall	AVIC 251: Non-Radar Lab			5	
Spring	AVIC 258: Radar Lecture			4	
Spring	AVIC 256: Radar Lab			5	
Total credits after graduation				45	

\*Courses/curriculum are subject to change at the college's discretion.  
Updated January 2025





## AVIATION PROGRAM: PROFESSIONAL PILOT ASSOCIATE DEGREE

Students will begin the program Junior year and finish additional courses after graduation.  
Length of program will vary based on students flight hours.

WA Concurrent Enrollment courses to be take @ WAHS					
Recom. Timeframe	CCBC Course Requirement	WA Course (College course to be transferred to CCBC)	Counts as	WA Credits	College Credits
When appropriate for student	CIST 1000: Intro to Information Technology	0627 IT Fundamentals (WA ECIHSA-RMU INFS 1020: Fundamentals of Information Technology)	WA Elective Credit	1	6
Senior Year	Literature Elective - SELECT ONE	0132 AP English Literature & Composition (WA ECIHSA-RMU ENGL 1040: Reading Literature Coming of Age)	WA English Credit	1	3
Senior Year		0133 Classic & Modern Literature (WA ECIHSA-RMU ELIT 1050: Classic & Modern Literature)	WA English Credit	1	3
Junior/Senior Year		0733 Child Development 2 (WA ECIHSA-RMU ENGL 1070: Children's Literature--the SDIN 2100: Disability Studies course associated with the WA course does not count towards the CCBC program)	WA English Credit	1	6
Junior Year	PHYS 105: Physical Science	0412 AP Physics 1 (WA ECIHSA-RMU PHYS 1210/1215: General Physics 1/Lab)	WA Science Credit	1	4
Total WAHS Concurrent Enrollment Classes through CCAC or RMU				1	4
Junior YearAviation Courses (Chippewa Campus or Online)					
Recom. Timeframe	CCBC Course Requirement		Counts as	WA Credits	College Credits
Fall	AVIP 100: Titian Transition		WA Elective Credit	1	1
Fall	AVIP 120: Foundations & Development of Aviation		WA Social Studies Credit	1	3
Fall	WRIT 101: English Composition Student may elect to take WAHS-0122 AP English Language & Composition (ECIHSA-RMU CSEN 1020) instead (runs full year)		WA English Credit	1	3
Spring	AVIP 160: Private Pilot Flight Theory		WA Elective Credit	1	7
Spring	AVIP 170: Private Pilot Flight Certification		WA Elective Credit	1	3
Total in Junior Year				5	17
Senior YearAviation Courses (Chippewa Campus or Online)					
Recom. Timeframe	CCBC Course Requirement		Counts as	WA Credits	College Credits
Fall	MATH 126: Statistics		WA Math Credit	1	4
Fall	AVIP 260: Human Factors Theory		WA Science Credit	1	3
Spring	AVIC 235: Traffic Control Procedures		WA Elective Credit	1	3
Spring	AVIP 205: Aircraft Engines & Systems		WA Elective Credit	1	4
TOTAL in Senior Year				4	14
Recom. Timeframe	Courses to complete after graduation			Credits	
Summer	AVIC 180: Instrument Flight Theory			7	
Summer	AVIC 190: Instrument Flight Rating			2	
Fall	AVIP 210: Commercial Flight Theory			6	
Fall	AVIP 220: Commercial Flight Certification 1			3	
Spring	AVIP 225: Comercial Flight Certification 2			3	
Spring	AVIP 270: Aerodynamics of Flight			3	
Summer	AVIP 250: Multi-Engine Flight Rating OR AVIP 280: Certified Flight Instructor - Airplane			1 or 2	
Summer	AVIP 285: Certified Flight Instructor - Instruments OR AVIP 290: Professional Flight Instructor			2 or 5	
Total credits after graduation				27-31	

\*Courses/curriculum are subject to change at the college's discretion.  
Updated January 2025



# TRADES PROGRAM: AUTOMOTIVE TECHNOLOGY ASSOCIATE SPECIALIZED TECHNOLOGY

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC for Automotive Technology. Students will need to obtain a driver's license prior to being eligible for state inspection & emissions certifications, and program graduation.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
R-103 Physics & Electrical Science	WA-Physics or Conceptual Physics (Science credit)	1	2.5
R-206 Small Business Management	WA-RMU Mangement (students do not need to take for RMU credit)	1	5.5
R-104 Computer Concepts	WA-Technology Skills	1	2.5
<b>TOTAL in Freshman/Sophomore/Junior Year</b>		<b>4</b>	<b>13</b>
Senior Year (All classes @ RTC) (Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
GD-101 Electrical Systems	WA Science Elective	1	4.5
GD-102 Electrical Troubleshooting	WA Elective	1	5
AD-102 Automotive Brakes	WA Elective	1	5
AD-105 Suspension & Steering Systems	WA Elective	1	4.5
R-108 Problem Solving & Critical Thinking	WA Math Elective	1	2.5
AD-100 Gasoline Engine Components	WA Elective	1	4.5
AD-103 Gasoline Engines	WA Elective	1	5
AD-204 Power Train Systems	WA Elective	1	4.5
AD-207 Manual & Automatic Transmissions	WA Elective	1	5
R-208 Get Employed / Stay Employed	WA ELA Credit	1	5
<b>TOTAL in Senior Year</b>		<b>10</b>	<b>45.5</b>
First year after graduation		Credits	
AD-203 Enhanced Emissions Systems		3.5	
AD-206 Air Conditioning Maintenance		6	
AD-205 Automotive Electronic Systems		4.5	
AD-208 Engine Performance		5	
		<b>19</b>	

\*Courses/curriculum are subject to change at the college's discretion.

Reviewed August 2024



## TRADES PROGRAM: COLLISION REPAIR TECHNOLOGY ASSOCIATE SPECIALIZED TECHNOLOGY

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC for Automotive Repair Technology. Students will need to obtain a driver's license prior to being eligible for state inspection & emissions certifications, and program graduation.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
R-103 Physics & Electrical Science	WA-Physics or Conceptual Physics (Science credit)	1	2.5
R-206 Small Business Management	WA-RMU Mangement (students do not need to take for RMU credit)	1	5.5
R-104 Computer Concepts	WA-Technology Skills	1	2.5
<b>TOTAL in Freshman/Sophomore/Junior Year</b>		<b>4</b>	<b>13</b>
Senior Year (All classes @ RTC) (Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
C-220 Intro to Auto Refinishing	WA Elective	1	4
C-221 Auto Refinishing	WA Elective	1	4.5
C-104 Mechanical Systems	WA Elective	1	4.5
C-105 Electrical Systems	WA Science Elective	1	4.5
R-108 Problem Solving & Critical Thinking	WA Math Elective	1	2.5
C-100 Intro to Autobody Repair, C-101 Automotive Component Repair	WA Elective	1	4.5
C-102 Foundations of Collision Repair	WA Elective	1	4.5
C-103 Welding Essentials	WA Elective	1	4.5
C-213 Panel Repair & Alignment	WA Elective	1	4.5
R-208 Get Employed / Stay Employed	WA ELA Elective	1	5
<b>TOTAL in Senior Year</b>		<b>10</b>	<b>43</b>
First year after graduation		Credits	
C-214 Estimating, C-215 Glass Repair		4	
C-110 Intro to Major Collision Repair		4.5	
C-211 Major Collision Repair I		4.5	
C-212 Major Collision Repair II		4.5	

\*Courses/curriculum are subject to change at the college's discretion.

Reviewed August 2024



# TRADES PROGRAM: CONSTRUCTION ELECTRICITY ASSOCIATE SPECIALIZED TECHNOLOGY

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC for Electrician Technology.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
R-103 Physics & Electrical Science	WA-Physics or Conceptual Physics (Science credit)	1	2.5
R-104 Computer Concepts	WA-Technology Skills	1	2.5
R-206 Small Business Management	WA-RMU Mangement (students do not need to take for RMU credit)	1	5.5
<b>TOTAL in Freshman/Sophomore/Junior Year</b>		<b>4</b>	<b>13</b>
Senior Year (All classes @ RTC)(Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
ED-100 Electrical Fundamentals & Circuitry	WA Science Elective	1	5
ED-113 Safety & Intro to NEC	WA Elective	1	4.5
ED-109 Electrical Services	WA Elective	1	4.5
ED-110 Residential Wiring	WA Elective	1	5
ED-107 Intro to Electronics	WA Elective	1	5
R-108 Problem Solving & Critical Thinking	WA Math Elective	1	2.5
ED-108 Data Communication	WA Elective	1	4.5
ED-111 Commercial Wiring	WA Elective	1	5
ED-112 Conduit & Raceways	WA Elective	1	4.5
R-208 Get Employed / Stay Employed	WA ELA Elective	1	5
<b>TOTAL in Senior Year</b>		<b>10</b>	<b>45.5</b>
First year after graduation		Credits	
ED-209 Motors & Controllers		5	
ED-210 Power Sources		4	
ED-211 Electrical Construction		5	
ED-212 Building Systems		4.5	

\*Courses/curriculum are subject to change at the college's discretion.

Updated August 2024



## TRADES PROGRAM: DIESEL TECHNOLOGY ASSOCIATE SPECIALIZED TECHNOLOGY

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC for Diesel Technology. Students will need to obtain a driver's license prior to being eligible for state inspection & emissions certifications, and program graduation.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
R-103 Physics & Electrical Science	WA-Physics or Conceptual Physics (Science credit)	1	2.5
R-104 Computer Concepts	WA-Technology Skills	1	2.5
<b>TOTAL in Freshman/Sophomore/Junior Year</b>		<b>3</b>	<b>7.5</b>
Senior Year (All classes @ RTC) (Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
GD-101 Electrical Systems	WA Science Elective	1	4.5
GD-102 Electrical Troubleshooting	WA Elective	1	5
DD-104 Airbrakes & Braking Systems	WA Elective	1	5
DD-106 Suspension & Steering Systems	WA Elective	1	4.5
R-108 Problem Solving & Critical Thinking	WA Math Elective	1	2.5
DD-206 AC & Transport Refrigeration	WA Elective	1	3.5
DD-201 Diesel Engines	WA Elective	1	5
R-107 Hydraulics Applications	WA Elective	1	4.5
DD-103 Diesel Drive Trains	WA Elective	1	5
R-208 Get Employed / Stay Employed	WA ELA Elective	1	5
<b>TOTAL in Senior Year</b>		<b>10</b>	<b>44.5</b>
First year after graduation		Credits	
DD-205 Class A-CDL Lecture		5	
DD-208 Class A-CDL Driving		4	
DD-203 Engine Diagnostics		5	
DD-204 Engine Analysis		4.5	
DD-101 Preventative Maintenance		4.5	
<b>Total for first year after graduation</b>		<b>23</b>	

\*Courses/curriculum are subject to change at the college's discretion.

Reviewed August 2024



## TRADES PROGRAM: INDUSTRIAL ELECTRICITY ASSOCIATE SPECIALIZED TECHNOLOGY

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC  
for Electrician Technology.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
R-103 Physics & Electrical Science	WA-Physics or Conceptual Physics (Science credit)	1	2.5
R-104 Computer Concepts	WA-Technology Skills	1	2.5
R-206 Small Business Management	WA-RMU Mangement (students do not need to take for RMU credit)	1	5.5
<b>TOTAL in Freshman/Sophomore/Junior Year</b>		<b>4</b>	<b>13</b>
Senior Year (All classes @ RTC)(Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
ED-100 Electrical Fundamentals & Circuitry	WA Science Elective	1	5
ED-113 Safety & Intro to NEC	WA Elective	1	4.5
IM-101 Mechanical Drives	WA Elective	1	4.5
IM-109 Hydraulics & Pneumatics	WA Elective	1	5
ED-107 Intro to Electronics	WA Elective	1	5
R-108 Problem Solving & Critical Thinking	WA Math Elective	1	2.5
IM-201 Industrial Maintenance	WA Elective	1	4.5
ED-111 Commercial Wiring	WA Elective	1	5
ED-112 Conduit & Raceways	WA Elective	1	4.5
R-208 Get Employed / Stay Employed	WA ELA Elective	1	5
<b>TOTAL in Senior Year</b>		<b>10</b>	<b>45.5</b>
First year after graduation		Credits	
ED-209 Motors & Controllers		5	
ED-210 Power Sources		4	
IM-205 Robotics		4.5	
ED-208 Programmable Logic Controllers		5	

\*Courses/curriculum are subject to change at the college's discretion.

Updated August 2024





## TRADES PROGRAM: HVAC TECHNOLOGY ASSOCIATE SPECIALIZED TECHNOLOGY

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC  
for HVAC-R Technology.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
R-103 Physics & Electrical Science	WA-Physics or Conceptual Physics (Science credit)	1	2.5
R-104 Computer Concepts	WA-Technology Skills	1	2.5
R-206 Small Business Management	WA-RMU Mangement (students do not need to take for RMU credit)	1	5.5
TOTAL in Freshman/Sophomore/Junior Year		4	13
Senior Year (All classes @ RTC)(Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
HD-101 Refrigeration Principles	WA Elective	1	4.5
HD-102 Refrigeration Systems Analysis	WA Elective	1	5
HD-104 Electricity	WA Elective	1	2.5
HD-105 HVAC Troubleshooting	WA Elective	1	4.5
HD-205 Thermodynamics & Design	WA Science Elective	1	2.5
HD-106 Forced Air Heating Systems	WA Elective	1	7
R-108 Problem Solving & Critical Thinking	WA Math Elective	1	2.5
HD-201 Sheet Metal Applications	WA Elective	1	2
HD-203 Heat Pumps	WA Elective	1	1.5
HD-204 Heat Pump Diagnostics	WA Elective	1	3
HD-206 Control System Analysis	WA Elective	1	4.5
R-208 Get Employed / Stay Employed	WA ELA Elective	1	5
TOTAL in Senior Year		12	44.5
First year after graduation		Credits	
HD-107 Hydronic Heating Systems		9	
HD-207 Air Conditioning		4.5	
HD-208 Air Conditioning Maintenance		4.5	

\*Courses/curriculum are subject to change at the college's discretion.

Updated August 2024



## TRADES PROGRAM: WELDING TECHNOLOGY DIPLOMA PROGRAM

It is recommended that students interested in this career field prior to senior year attend Parkway West CTC for Welding Technology. Student may need to apply to WASD for early graduation prior to being awarded diploma from Rosedale Technical College.

While in high school, tuition for WA students will be \$125 per credit.

Freshman/Sophomore/Junior Year		WA Credits	RTC Credits
R-101 Applied Math	WA-Algebra 2 (Math credit)	1	2.5
<b>TOTAL in Freshman/Sophomore/Junior Year</b>		<b>1</b>	<b>2.5</b>
Senior Year (All classes @ RTC)(Mon-Thur 7:30 - 3:00)		WA Credits	RTC Credits
W-101 Arc Welding (SMAW)	WA Elective	1	4.5
W-102 Thermal Cutting Processes	WA Science Elective	1	5
W-103 MIG Welding (GMAW)	WA Elective	1	2.5
W-104 Welding Print Reading	WA Math Elective	1	4.5
W-105 TIG Welding (GTAW)	WA Elective	1	2.5
W-106 Metallurgy	WA Elective	1	7
W-108 Pipe Welding	WA Elective	1	2.5
W-201 Welding Fabrication	WA Elective	1	2
W-204 Non-Ferrous Welding	WA Elective	1	1.5
W-206 Welding Inspection & Testing	WA Elective	1	3
R-207 Resume & Interviewing Techniques	WA ELA Elective	1	4.5
<b>TOTAL in Senior Year</b>		<b>11</b>	<b>39.5</b>

\*Courses/curriculum are subject to change at the college's discretion.

Updated August 2024



## West Allegheny High School

### Courses by Level of Rigor

	Tier 1 courses are accessible to all learners and consists of built-in supports to guide students as they engage with new content.	Tier 2 courses are progressively more rigorous than Tier 1 courses and provide a balance of in-classroom and out-of-classroom expectations. These courses predominately include honors and entry level college courses.	Tier 3 courses are the most rigorous courses students may engage in while at WAHS and advance student learning at the college level. Most Tier 3 courses are Advanced Placement and 2nd year and above college level courses.
Department	Tier 1	Tier 2	Tier 3
ENGLISH LANGUAGE ARTS	English 9	Honors English 9	AP English Language & Composition
	English 10	Honors English 10	AP English Literature & Composition
	English 11	Journalism	Classic & Modern Literature
	English 12	Film Studies	AP Research
	Professional & Technical Communications	Oral Communications	
	Intro to Creative Writing (S - WAVA ONLY)	Creative Writing	
		Gothic Literature (S1-WAVA ONLY)	
		Mythology & Folklore (S2-WAVA ONLY)	
MATHEMATICS	Algebra 1	Honors Early College Algebra 2	AP Precalculus
	Algebra 2	Honors Geometry	AP Calculus AB
	Geometry	Personal Finance	AP Statistics
	Trig & Precalc		AP Calculus BC
	Discrete Math		AP Economics
	Probability & Statistics		
SCIENCE	Biology with Lab	Honors Biology with Lab	AP Biology
	Conceptual Chemistry	Honors Chemistry with Lab	AP Chemistry
	Conceptual Physics	Physics	AP Physics 1
	Forensic Science	Honors Anatomy & Physiology	AP Physics 2
	Environmental Science	Functional Nutrition and Health	
	Introduction to Astronomy (S – WAVA ONLY)	Health Sciences (WAVA ONLY)	
		Introduction to Marine Biology (S – WAVA ONLY)	
		Introduction to Veterinary Science (S2 – WAVA ONLY)	
		Forestry & Natural Resources (S1 - WAVA ONLY)	
SOCIAL STUDIES	U.S. History	Honors U.S. History	AP U.S. Government & Politics
	American Government	Honors American Government	AP World History
	World Cultures (with Career Seminar)	Honors Psychology & Sociology	AP Seminar
	Current Affairs (S)	Honors Holocaust & Genocide Studies	AP U.S. History
	Sociology of Sports (S)	Criminal Justice & Investigations	AP Psychology
	Introduction to Military Careers (S–WAVA ONLY)	Honors African American & Multicultural Studies	AP Seminar
		Corrections & Social Issues	
		Ethnic Studies (S-WAVA ONLY)	
		Intro to Archaeology (S - WAVA ONLY)	
		Introduction to World Religions (S – WAVA ONLY)	
		Women's Studies (S – WAVA ONLY)	
BUSINESS, COMPUTER, & INFORMATION TECHNOLOGY	Principles of Business	AP Computer Science Principles: Intro to Programming	Business, Law, & Society
	Technology Skills	Cybersecurity	3D Modeling & Animation
	Yearbook	Networking Fundamentals	2D/3D Game Development
	HS Career Discovery (S - WAVA ONLY)	Introduction to Game Design	Game Production & Marketing
	Sports & Entertainment Marketing (S1 - WAVA ONLY)	Marketing	Virtual Reality
	AI Adventures	Intro to Data Analytics with Python	Management
	IT Fundamentals	International Business (S2 - WAVA ONLY)	Financial Accounting
		Sport Management	AP Computer Science A
			Programming in C# & C++

Department	Tier 1	Tier 2	Tier 3
ENGINEERING & TECHNOLOGY EDUCATION	Principles of Technology	Manufacturing I	
	Architectural Design	Electrical & Mechanical Systems	
	Manufacturing Technology II	Digital Electronics	
	Do It Yourself (DIY)	Fluid Systems & Motor Control	
	CADD I	Power Systems	
	Environmental Sustainability	Drawing & Design for Engr & Arch	
	Media Arts	CADD II	
	Technical Theatre: Set Building – 3 day	CADD III	
	Foundations of Green Energy (WAVA ONLY)	Introduction to Engineering Design	
	Introduction to Social Media (S – WAVA ONLY)	Engineering Materials	
FAMILY CONSUMER SCIENCE	Exploring Foods	West A Café	
	Navigating Adulthood (S - WAVA ONLY)	Family and Community Relations	
		Child Development I	
		Child Development II	
		Partners in Exploring Foods	
		Technology for Aspiring Teachers	
HEALTH & PHYSICAL EDUCATION	Health & Wellness 10	Aquatics & Lifeguarding	
	Physical Education 9	Partners in Physical Education	
	Physical Conditioning	Dance Company – 3-day	
	Dance – 3-day	Exercise Science	
JUNIOR ROTC	USMC Junior ROTC I	USMC Junior ROTC IV	
	USMC Junior ROTC II		
	USMC Junior ROTC III		
PERFORMING ARTS	Band - 3 and 6 day options	Wind Ensemble - 3 and 6 day options	
	Jazz Studies: Instrumental – 3-day	Show Choir - 3 and 6 day options	
	Chorus - 3 and 6 day options	Modern Band 3	
	Vocal Studies – 3-day		
	Digital Audio Production 1 - 3 and 6 day options		
	Digital Audio Production 2 - 3 and 6 day options		
	Technical Theatre: Crew – 3-day		
	Modern Band 1		
	Modern Band 2		
VISUAL ARTS	Art I	Honors Art IV	AP Drawing
	Art II	Advanced Ceramics 2	
	Art III		
	Ceramics I		
	Graphic Design and Illustration I (S – WAVA ONLY)		
	Graphic Design and Illustration II (S – WAVA ONLY)		
	Art Appreciation (S – WAVA ONLY)		
WORLD LANGUAGE	Spanish I	Honors Spanish IV	AP Spanish Language & Culture
	Spanish II	Honors German IV	AP German Language & Culture
	Spanish III	Mandarin Chinese I (WAVA ONLY)	
	French I (WAVA ONLY)	Mandarin Chinese II (WAVA ONLY)	
	French II (WAVA ONLY)		
	French III (WAVA ONLY)		
	German I		
	German II		
	German III		
	American Sign Language I (S1)		
	American Sign Language II (S2)		

# COURSE LIST

*	Course weighted on a 4.5 GPA scale	✓	Course eligible for industry-based credential
**	Course weighted on a 5.0 GPA scale	c	Course may count toward core course credit required for graduation (see the graduation requirements page for more information)
⌘	Course eligible for college credit through our Early College in High School Academy (ECIHA)		
⌘⌘	Awaiting final approval from our higher education ECIHA college or university partner	(S)	Semester

## AP CAPSTONE PROGRAM

0200	AP Seminar** <sup>c</sup> [10-12]
0201	AP Research** <sup>c</sup> [11-12]

## BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

0617	AP Computer Science Principles: Intro to Programming ** <sup>c</sup> [9-12]
0600	Principles of Business [9-12]
0601	Technology Skills ✓ [9-12]
0602	Marketing **⌘ (3 credits) [9-12]
0603	Business Management & Leadership**⌘ (3 credits)✓[9-12]
0606	Sport Management **⌘ (3 credits) [9-12]
0611	Yearbook [9-12]
0621	Introduction to Game Design **⌘ (6 credits) [9-12]
0627	IT Fundamentals **⌘ (3 credits) ✓[9-12]
0629	Cybersecurity **⌘ (3 credits) ✓[9-12]
0604	Business, Law, & Society **⌘ <sup>c</sup> (3 credits) [10-12]
0610	AI Adventures [10-12]
0616	Financial Accounting **⌘ <sup>c</sup> (3 credits) [10-12]
0618	AP Computer Science A**⌘ <sup>c</sup> (8 credits) [10-12]
0619	Intro to Data Analytics with Python **⌘ <sup>c</sup> (4 credits) [10-12]
0623	3D Modeling & Animation **⌘ (6 credits) [10-12]
0605	Managerial Accounting **⌘ <sup>c</sup> (3 credits) [11-12]
0628	Computer Networking **⌘ (3 credits) ✓[11-12]
0620	Programming in C# & C++ **⌘ <sup>c</sup> (8 credits) [11-12]
0625	2D/3D Game Development **⌘ <sup>c</sup> (6 credits) [11-12]
0624	Game Production & Marketing (S2) **⌘ <sup>c</sup> (3 credits) [12]
0626	Virtual Reality (S1) **⌘ <sup>c</sup> (6 credits) [12]
V604	Sports & Entertainment Marketing (S1-WAVA ONLY) [10-12]
V605	International Business (S2-WAVA ONLY) [10-12]
V606	Career Discovery (S-WAVA ONLY) [9-12]
V749	Intro to Social Media (S – WAVA ONLY) [9-12]

## ENGINEERING AND TECHNOLOGY EDUCATION

0700	Manufacturing 1**⌘ (6 credits) ✓[9-12]
0701	Electrical & Mechanical Systems**⌘ (6 credits) [9-12]
0704	Principles of Technology **⌘ (3 credits) [9-12]
0705	Architectural Design [9-12]
0713	Do It Yourself (DIY) [9-12]
0714	Introduction to Engineering Design **⌘ (3 credits) [9-12]
0748	Media Arts [9-12]
0699	Technical Theatre: Set Building – 3-day [9-12]
0706	Drawing & Design for Engr & Arch [10-12]
0708	CADD 1 [10-12]
0709	CADD 2 **⌘ (3 credits) [10-12]
0712	Manufacturing Technology II [10-12]
0715	Engineering Materials **⌘ (3 credits) [10-12]
0716	Digital Electronics **⌘ <sup>c</sup> (6 credits) [10-12]
0717	Environmental Sustainability <sup>c</sup> [10-12]

0702	Fluid Systems & Motor Control**⌘ (6 credits) [11-12]
0703	Power Systems **⌘ (6 credits) [11-12]
0710	CADD 3 [11-12]
V717	Foundations of Green Energy (WAVA ONLY) <sup>c</sup> [10-12]

## ENGLISH LANGUAGE ARTS

0101	English 9 [9]
0106	Honors English 9* [9]
0111	English 10 [10]
0112	Honors English 10* [10]
0121	English 11 [11]
0122	AP English Language & Composition**⌘ (3 credits) [11-12]
0130	Professional and Technical Communications [12]
0131	English 12 [12]
0132	AP English Literature & Composition**⌘ (3 credits) [12]
0133	Classic & Modern Literature**⌘ (3 credits) [12]
0134	Film Studies**⌘ (3 credits) [12]
0150	Creative Writing **⌘ (3 credits) [11-12]
0151	Oral Communications**⌘ (3 credits) [11-12]
0152	Journalism **⌘ (3 credits) [11-12]
V154	Gothic Literature (S1 – WAVA ONLY) [11-12]
V155	Intro to Creative Writing (S – WAVA ONLY) [11-12]
V156	Mythology & Folklore (S2 – WAVA ONLY) [11-12]

## FAMILY AND CONSUMER SCIENCES

0720	Exploring Foods [9-12]
0727	Family and Community Relations [9-12]
0732	Child Development 1**⌘ (6 credits) [10-12]
0733	Child Development 2**⌘ (6 credits) [11-12]
0735	Partners in Exploring Foods**⌘ (3 credits) [10-12]
0736	Technology for Aspiring Teachers**⌘(3 credits) [10-12]
0737	West A Café [11-12]
V733	Navigating Adulthood (S-WAVA ONLY) [10-12]

## HEALTH AND PHYSICAL EDUCATION

0802	Physical Education 9 – 3-day [9]
0803	Health & Wellness 10 – 3-day [10]
0805	Competitive Games – 6-day [9-12]
0806	Competitive Games – 3-day [9-12]
0807	Lifelong Fitness – 6-day [9-12]
0808	Lifelong Fitness – 3-day [9-12]
0820	Physical Conditioning – 6-day [9-12]
0821	Physical Conditioning – 3-day [9-12]
0792	Dance – 3-day [9-12]
0793	Dance Company – 3-day [9-12]
0831	Exercise Science**⌘ <sup>c</sup> (3 credits) [11-12]
0832	Lifeguarding Certification – 3-day* ✓ [10-12]
0835	Partners in Physical Education**⌘ (3 credits) [10-12]

# COURSE LIST

*	Course weighted on a 4.5 GPA scale	✓	Course eligible for industry-based credential
**	Course weighted on a 5.0 GPA scale	c	Course may count toward core course credit required for graduation (see the graduation requirements page for more information)
⌘	Course eligible for college credit through our Early College in High School Academy (ECIHSa)	(S)	Semester
⌘⌘	Awaiting final approval from our higher education ECIHSa college or university partner		

## MATHEMATICS

0308	Algebra 1 [9]
0310	Geometry [10-12]
0311	Honors Geometry* [10-12]
0315	Algebra 2 [9-12]
0317	HEC Algebra 2 **⌘ (3 credits) [9-12]
0318	Probability & Statistics [11-12]
0319	Trigonometry & Precalculus [10-12]
0320	AP Precalculus **⌘ (3 credits) [10-12]
0321	Discrete Math [12]
0323	AP Calculus AB **⌘ (3 credits) [11-12]
0324	AP Statistics **⌘ (3 credits) [10-12]
0325	AP Calculus BC **⌘ (3 credits) [12]
0242	AP Economics **⌘ (3 credits) [11-12]
0725	Personal Finance **⌘ (3 credits) [11-12]

## PERFORMING ARTS

0753	Band ⌘ [9-12]
0754	Band – 3-day [9-12]
0756	Wind Ensemble ⌘ [9-12]
0757	Wind Ensemble – 3-day [9-12]
0760	Jazz Studies: Instrumental ⌘ [9-12]
0761	Modern Band 1 – 3-day [9-12]
0762	Modern Band 2 – 3-day [10-12]
0763	Modern Band 3 – 3-day [10-12]
0766	Chorus ⌘ [9-12]
0768	Chorus – 3-day [9-12]
0770	Vocal Studies – 3-day [9-12]
0774	Show Choir ⌘ [10-12]
0775	Show Choir – 3-day [10-12]
0777	Digital Audio Production 1 [9-12]
0778	Digital Audio Production 1 – 3-day [9-12]
0779	Digital Audio Production 2 [10-12]
0780	Digital Audio Production 2 – 3-day [10-12]
0786	Technical Theatre: Crew – 3-day [9-12]

## SCIENCE

0402	Biology with Lab [9]
0403	Honors Biology with Lab* [9]
0404	Conceptual Chemistry [10-11]
0405	Honors Chemistry with Lab* [10-11]
0406	Conceptual Physics [11-12]
0407	Physics [11-12]
0408	Forensic Science [11-12]
0409	Honors Anatomy & Physiology* [11-12]
0410	AP Biology **⌘ (4 credits) [10-12]
0411	AP Chemistry **⌘ (4 credits) [11-12]
0412	AP Physics 1 **⌘ (4 credits) [10-12]
0413	AP Physics 2 **⌘ (4 credits) [11-12]
0414	Environmental Science [12]

0415	Functional Nutrition and Health **⌘ (3 credits) [11-12]
V425	Health Sciences (WAVA ONLY) [10-12]
V426	Intro to Astronomy (S – WAVA ONLY) [10-12]
V427	Intro to Marine Biology (S – WAVA ONLY) [10-12]
V428	Intro to Veterinary Science (S2 – WAVA ONLY) [10-12]
V429	Forestry & Natural Resources (S1 – WAVA ONLY) [10-12]

## SOCIAL STUDIES

0210	U.S. History [9]
0211	Honors U.S. History* [9]
0230	American Government [10]
0231	Honors American Government* [10]
0232	AP U.S. Government & Politics **⌘ (3 credits) [10-12]
0236	World Cultures (with Career Seminar) [11]
0238	AP World History **⌘ (3 credits) [11]
0239	AP U.S. History **⌘ (3 credits) [10-12]
0240	AP Psychology **⌘ (3 credits) [11-12]
0243	Criminal Justice & Investigations **⌘ (6 credits) [10-12]
0244	Honors Psychology & Sociology* [11-12]
0245	Honors African American & Multicultural Studies* [11-12]
0246	Corrections & Social Issues **⌘ (6 credits) [10-12]
0247	Honors Holocaust & Genocide Studies* [11-12]
0249	Current Affairs (S) [11-12]
0250	Sociology of Sports (S) [11-12]
V251	Introduction to Archaeology (S - WAVA ONLY) [11-12]
V252	Introduction to World Religions (S – WAVA ONLY) [11-12]
V253	Women's Studies (S – WAVA ONLY) [11-12]
V254	Introduction to Military Careers (S – WAVA ONLY) [11-12]
V255	Ethnic Studies (S-WAVA ONLY) [11-12]

## USMC JUNIOR ROTC

0261	USMC Junior ROTC 1 [9-12]
0262	USMC Junior ROTC 2 [10-12]
0263	USMC Junior ROTC 3 [11-12]
0264	USMC Junior ROTC 4 <sup>C</sup> [12]

## VISUAL ARTS

0740	Art 1 [9-12]
0741	Art 2 [10-12]
0742	Art 3 [11-12]
0743	Honors Art 4 **⌘ (3 credits) [12]
0744	AP Drawing **⌘ (3 credits) [12]
0745	Ceramics 1 [10-12]
0746	Advanced Ceramics 2 **⌘ (3 credits) [11-12]
V703	Graphic Design and Illustration 1 (S – WAVA ONLY) [9-12]
V704	Graphic Design and Illustration 2 (S2 – WAVA ONLY) [9-12]
V745	Art Appreciation (S – WAVA ONLY) [9-12]



# COURSE LIST

*	Course weighted on a 4.5 GPA scale	✓	Course eligible for industry-based credential
**	Course weighted on a 5.0 GPA scale	c	Course may count toward core course credit required for graduation (see the graduation requirements page for more information)
⌘	Course eligible for college credit through our Early College in High School Academy (ECIHA)		
⌘⌘	Awaiting final approval from our higher education ECIHA college or university partner	(S)	Semester

## WORLD LANGUAGES

0500	Spanish 1 [9-12]
0501	Spanish 2 [9-12]
0502	Spanish 3 **⌘ <sup>c</sup> (3 credits) [10-12]
0503	Honors Spanish 4 **⌘ <sup>c</sup> (3 credits) [11-12]
0504	AP Spanish Lang & Culture* **⌘ <sup>c</sup> (3 credits) [12]
0520	German 1 [9-12]
0521	German 2 [9-12]
0522	German 3 **⌘ <sup>c</sup> (3 credits) [10-12]
0523	Honors German 4 **⌘ <sup>c</sup> (3 credits) [11-12]
0524	AP German Language & Culture **⌘ <sup>c</sup> (3 credits) [12]
0525	American Sign Language 1 (S1) [9-12]
0526	American Sign Language 2 (S2) [9-12]
V510	French 1 (WAVA ONLY) [9-12]
V511	French 2 (WAVA ONLY) [9-12]
V512	French 3 (WAVA ONLY) <sup>c</sup> [10-12]
V530	Mandarin Chinese 1 (WAVA ONLY) [9-12]
V531	Mandarin Chinese 2 (WAVA ONLY) [10-12]

## PARKWAY WEST CAREER AND TECHNOLOGY CENTER

2500	Automotive Cluster (1 <sup>st</sup> year) ✓ [9-12]
2501	Auto Body Repair ✓ [10-12]
2502	Automotive Technology ✓ [10-12]
2503	Construction Technology Cluster (1 <sup>st</sup> year) ✓ [9-12]
2504	Carpentry ✓ [10-12]
2505	Electrical Systems Technology ✓ [10-12]
2506	Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R) ✓ [10-12]
2507	Power Motorsports Technology ✓ [10-12]
2508	Welding & Fabrication Technology ✓ [10-12]
2509	Cosmetology ✓ [9-12]
2510	Culinary Arts ✓ [9-12]
2511	Healthcare Occupations Technology ✓ [9-12]
2512	Diesel Technology ✓ [10-12]
2513	Graphic Arts & Production Technology ✓ [9-12]
2514	Cyber Security & Network Technology ✓ [9-12]
2515	Public Safety Technology ✓ [9-12]
2516	Sports Medicine and Rehabilitation Therapy Technology (SMARTT) ✓ [9-12]
2517	Veterinary Assistant Technology ✓ [9-12]

## COLLEGE ENTRANCE EXAM PREPARATION COURSES

V670	ACT English Preparation (S – WAVA ONLY) [10-12]
V671	ACT Mathematics Preparation (S – WAVA ONLY) [10-12]
V672	ACT Reading Preparation (S – WAVA ONLY) [10-12]
V673	ACT Science Preparation (S – WAVA ONLY) [10-12]
V675	SAT Mathematics Preparation (S – WAVA ONLY) [10-12]
V676	SAT Reading Preparation (S – WAVA ONLY) [10-12]

## SPECIAL OPTIONS

IS	Independent Study [11-12]
INT	Internship [11-12]
ER	Early Release [12]
WS	Work Study [12]

## EARLY COLLEGE IN HIGH SCHOOL ACADEMY DUAL ENROLLMENT PROGRAMS

<u>COMMUNITY COLLEGE OF BEAVER COUNTY AVIATION ACADEMY</u>	
DEAM	Aerospace Management Associate Degree [11-12]
DEAT	Air Traffic Control Associate Degree [11-12]
DEPP	Professional Pilot Associate Degree [11-12]

<u>COMMUNITY COLLEGE OF ALLEGHENY COUNTY HEALTH SCIENCES ACADEMY</u>	
DEHS	Health Sciences Academy [12]

<u>ROSEDALE TECHNICAL COLLEGE AUTO/DIESEL ACADEMY</u>	
DEAT	Automotive Technology Associate Degree [12]
DECR	Collision Repair Technology Associate Degree [12]
DECE	Construction Electricity Technology Assoc Degree [12]
DEDT	Diesel Technology Associate Degree [12]
DEHA	Heating Ventilation & Air Cond Tech Assoc Deg [12]
DEIE	Industrial Electricity Technology Assoc Degree [12]
DEWA	Welding Technology Diploma Program [12]

# WAVA COURSE LIST

The courses offered through the West Allegheny Virtual Academy are listed alphabetical by department.

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|--|--|
| <p><b>*</b> Course weighted on a 4.5 GPA scale</p> <p><b>**</b> Course weighted on a 5.0 GPA scale</p> <p><b>#</b> Course <u>does not</u> count towards credit in the Early College in High School Academy (ECHSA)</p> | <p><b>^</b> Course not transferrable to in-person course</p> <p><b>c</b> Course may count toward core course credit required for graduation (see the graduation requirements page for more information)</p> <p><b>(S)</b> Semester</p> |
|--|--|

## BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

### BUSINESS

- V600 Principles of Business [9-12]  
 V602 Marketing, Advertising, and Sales # [10-12]  
 V603 Business Information Management # [10-12]  
 V604 Sports & Entertainment Marketing (S1-WAVA ONLY) [10-12]  
 V605 International Business (S2-WAVA ONLY) [10-12]  
 V606 Career Discovery (S-WAVA ONLY) [9-12]  
 V616 Financial Accounting\* #<sup>c</sup> [10-12]  
 V749 Intro to Social Media (S – WAVA ONLY) [9-12]

### COMPUTER SCIENCE

- V601 Principles of Information Technology [9-12]

### GAMING

- V621 Intro to Game Design and Mobile Apps #<sup>^</sup> [9-12]

## ENGINEERING AND TECHNOLOGY EDUCATION

- V700 Principles of Manufacturing #<sup>^</sup> [9-12]  
 V701 Principles of Engineering and Technology #<sup>^</sup> [9-12]  
 V705 Principles of Architecture and Construction [9-12]  
 V708 Drafting and Design [10-12]  
 V717 Foundations of Green Energy (WAVA ONLY) <sup>c</sup> [10-12]  
 V748 Media Arts [9-12]

## ENGLISH LANGUAGE ARTS

- V101 English 9 [9]  
 V106 Honors English 9\* [9]  
 V111 English 10 [10]  
 V112 Honors English 10\* [10]  
 V121 English 11 [11]  
 V122 AP English Language & Composition\*\* # [11-12]  
 V130 Professional and Technical Communications [12]  
 V131 English 12 [12]  
 V132 AP English Literature & Composition\*\* # [12]  
 V154 Gothic Literature (S1 - WAVA ONLY) [11-12]  
 V155 Intro to Creative Writing #<sup>^</sup> (S -WAVA ONLY) [11-12]  
 V156 Mythology & Folklore (S2-WAVA ONLY) [11-12]

## FAMILY AND CONSUMER SCIENCES

- V733 Navigating Adulthood (S-WAVA ONLY) [10-12]

## HEALTH AND PHYSICAL EDUCATION

- V802 Physical Education 9 (0.5) [9]  
 V803 Health & Wellness 10 [10]  
 V807 Lifelong Fitness 1.0 [9-12]  
 V808 Lifelong Fitness 0.5 [9-12]  
 V820 Physical Conditioning 1.0 [9-12]  
 V821 Physical Conditioning 0.5 [9-12]  
 V831 Exercise Science\* #<sup>c</sup> [11-12]

## MATHEMATICS

- V308 Algebra 1 [9-10]  
 V310 Geometry [10-12]  
 V311 Honors Geometry [10-12]  
 V315 Algebra 2 [9-12]  
 V317 Honors Algebra 2\* # [9-12]  
 V318 Probability & Statistics [11-12]  
 V319 Trigonometry & Precalculus [10-12]  
 V321 Discrete Math [12]  
 V323 AP Calculus AB\*\*# [11-12]  
 V324 AP Statistics\*\*# [10-12]  
 V242 AP Economics\*\*# [11-12]  
 V725 Personal & Family Finance #<sup>c</sup> [11-12]

## SCIENCE

- V402 Biology with Lab [9]  
 V403 Honors Biology with Lab\* [9]  
 V404 Conceptual Chemistry [10-11]  
 V405 Honors Chemistry\* [10-11]  
 V406 Conceptual Physics [11-12]  
 V407 Physics [11-12]  
 V408 Forensic Science [11-12]  
 V409 Honors Anatomy & Physiology\* [11-12]  
 V410 AP Biology\*\* # [10-12]  
 V411 AP Chemistry\*\* # [11-12]  
 V414 Environmental Science [12]  
 V425 Health Sciences (WAVA ONLY) [10-12]  
 V426 Intro to Astronomy (S – WAVA ONLY) [10-12]  
 V427 Intro to Marine Biology (S – WAVA ONLY) [10-12]  
 V428 Intro to Veterinary Science (S2 – WAVA ONLY) [10-12]  
 V429 Forestry and Natural Resources (S1-WAVA ONLY) [10-12]

# WAVA COURSE LIST

The courses offered through the West Allegheny Virtual Academy are listed alphabetical by department.

<b>*</b>	Course weighted on a 4.5 GPA scale	<b>^</b>	Course not transferrable to in-person course
<b>**</b>	Course weighted on a 5.0 GPA scale	<b>c</b>	Course may count toward core course credit required for graduation (see the graduation requirements page for more information)
<b>#</b>	Course <u>does not</u> count towards credit in the Early College in High School Academy (ECIHS)	<b>(S)</b>	Semester

## SOCIAL STUDIES

V210	U.S. History [9]
V211	Honors U.S. History* [9]
V230	American Government [10-11]
V231	Honors American Government* [10-12]
V232	AP U.S. Government & Politics** # [10-12]
V236	World Cultures [11]
V238	AP World History** [11]
V239	AP U.S. History** # [10-12]
V240	AP Psychology** # [11-12]
V243	Criminology and Law # [10-12]
V244	Honors Psychology & Sociology* [11-12]
V249	Current Affairs (S) [11-12]
V251	Introduction to Archaeology (S-WAVA ONLY) [11-12]
V252	Introduction to World Religions (S – WAVA ONLY) [11-12]
V253	Women's Studies (S – WAVA ONLY) [11-12]
V254	Introduction to Military Careers (S – WAVA ONLY) [10-12]
V255	Ethnic Studies (S-WAVA ONLY) [11-12]

## VISUAL ARTS

V703	Graphic Design and Illustration 1 (S -WAVA ONLY) [9-12]
V704	Graphic Design and Illustration 2 (S2 – WAVA ONLY) [9-12]
V740	Studio Art 1 [9-12]
V741	Studio Art 2 [10-12]
V742	Studio Art 3 [11-12]
V745	Art Appreciation (S – WAVA ONLY) [9-12]

## WORLD LANGUAGES

V500	Spanish 1 [9-12]
V501	Spanish 2 [9-12]
V502	Spanish 3* # <sup>c</sup> [10-12]
V503	Honors Spanish 4* # <sup>c</sup> [11-12]
V504	AP Spanish Language & Culture** <sup>c</sup> [12]
V510	French 1 (WAVA ONLY) [9-12]
V511	French 2 (WAVA ONLY) [9-12]
V512	French 3 (WAVA ONLY) <sup>c</sup> [10-12]
V530	Mandarin Chinese 1 (WAVA ONLY) [9-12]
V531	Mandarin Chinese 2 (WAVA ONLY) [10-12]

## SPECIAL OPTIONS

### College Entrance Exam Preparation Courses

V670	ACT English Preparation (S – WAVA ONLY) [10-12]
V671	ACT Math Preparation (S – WAVA ONLY) [10-12]
V672	ACT Reading Preparation (S – WAVA ONLY) [10-12]
V673	ACT Science Preparation (S – WAVA ONLY) [10-12]
V675	SAT Math Preparation (S – WAVA ONLY) [10-12]
V676	SAT Reading Preparation (S – WAVA ONLY) [10-12]

# AP CAPSTONE

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## AP SEMINAR

0200 1 CREDIT  
5.0 GPA SCALE

In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen's right to privacy or whether genetic engineering is a benefit to society.

Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts. In addition, students practice listening to and viewing speeches, broadcasts, and personal accounts. They also experience artistic works and performances.

Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. After taking AP Seminar, students will have the opportunity to further hone their inquiry and analytical writing skills in AP Research.

AP Seminar students are assessed with two through-course performance tasks and one end-of-course exam. The performance tasks consist of a team project and presentation and an individual research-based essay and presentation. All three assessments are summative and are used to calculate a final AP score of 1 to 5.

The two through-course performance tasks for AP Seminar are teacher-scored. The end-of-course exam is in May; it takes two hours and consists of three short-answer questions and one essay question.

**Grade level: 10, 11, 12**

❖ **This course may count toward a student's fourth social studies credit.**

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## AP RESEARCH

0201 1 CREDIT  
5.0 GPA SCALE

AP Research allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest while documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues.

Students build on skills developed in AP Seminar by learning how to understand research methodology, employ ethical research practices, and access, analyze, and synthesize information to build, present, and defend an argument.

The AP Research course culminates in an academic paper of 4,000 to 5,000 words and a presentation with an oral defense. The two components of the task are teacher-scored. There is no end-of-course exam for AP Research. Both the academic paper and presentation with oral defense are included in the calculation of a final AP score (using the 1–5 scale).

**Prerequisite:** AP Seminar

**Grade level: 11, 12**

❖ **This course may count toward a student's fourth English credit.**

# BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

## AP COMPUTER SCIENCE PRINCIPLES - INTRO TO PROGRAMMING

0617 1 CREDIT

5.0 GPA SCALE

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

- Curriculum is built around fundamentals of computing including problem solving, working with data, understanding the Internet, cybersecurity, and programming.
- Teachers choose the programming language(s).
- Encourages a broader participation in the study of computer science and other STEM fields, including AP Computer Science A.
- AP assessment experience:
  - One performance task to demonstrate the skills they have developed
  - Multiple-choice questions (written exam)

**Prerequisite:** Algebra 1

**Grade level:** 9, 10, 11, 12

❖ This course may count toward a student's fourth mathematics credit.

## PRINCIPLES OF BUSINESS

0600 1 CREDIT

4.0 GPA SCALE

This introductory business course introduces students to business concepts and skills needed in today's competitive environment. The course offers extensive coverage in major business concepts in the areas of economics, management, marketing, accounting, business organization, entrepreneurship, and financial planning. This knowledge is virtually unlimited as most careers within our economic system relate to the business world and students will gain valuable information and skills for the workplace. Students who wish to pursue classes in our ECIHSA Business Academy are encouraged to begin with this course. Especially if you wish to take our Financial Accounting course. This course will serve as an Introduction to our Financial Accounting class and students will also learn how to use Microsoft Excel.

**NOTE:** This course is recommended before taking any higher-level business course.

**Grade level:** 9, 10, 11, 12

## TECHNOLOGY SKILLS

0601 1 CREDIT

4.0 GPA SCALE

✓ Students may have the opportunity to earn an industry recognized credential while in this course.

This comprehensive technology course provides students with an introductory overview of digital literacy including learning management tools, email etiquette, hardware, software, internet technologies, applications, and IT careers and skills. This course will continue with the integration of Adobe Creative Cloud, with different applications such as Photoshop, Illustrator, InDesign, and Dreamweaver.

**Grade level:** 9, 10, 11, 12

# BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

## MARKETING

**0602 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

MARK 2000: MARKETING INTERCONN WORLD (3 CR)

This course is an introductory study of the marketing discipline as applied to an ever-changing global commerce landscape. The marketing environment, both domestic and international, are examined along with the variables that act upon them. The primary focus is on the marketing mix, promotional mix, and the characteristics and relevant strategies that are relevant to each stage of the product-life cycle. Current issues and concepts such as international marketing, market-place diversity, added-value, customer service, and the role of total quality management are an integral part of course content and interactive learning activities.

*Grade level: 9, 10, 11, 12*

## BUSINESS MANAGEMENT & LEADERSHIP

**0603 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

MGMT 2000: MANAGEMENT THEORY/PRACT (3 CR)

This introductory management course is designed to give students an understanding of how to lead in today's business environment and in any aspect of their lives. Students will learn management theories and breakdown the four management functions: planning, organizing, leading, and controlling. They will also learn about the importance and the process of decision making. Students will explore business management career paths throughout this course as well.

*Grade level: 9, 10, 11, 12*

## SPORT MANAGEMENT

**0606 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

SPMG 2010: INTRO SPORT MANAGEMENT (3 CR)

This course offers the student a look at the diverse and expanding fields of sport, entertainment, and recreation. The basic areas of professional, educational, and commercial sport, recreation and special events are surveyed, identifying the general structure and function of each. Emphasis is given as to what skills are necessary for the field and what career opportunities exist.

*Grade level: 9, 10, 11, 12*

## YEARBOOK

**0611 1 CREDIT**

**4.0 GPA SCALE**

In this course, students will develop yearbook journalism and design skills. Their primary job is to create The Alleghenian, the West Allegheny High School Yearbook. The fundamentals of yearbook journalism include coverage of the year's events, ethics, writing sports copy, writing creative captions, creating sidebars, digital photography, and proof copy. Integral to yearbook journalism is developing and carrying out a theme, both verbally and graphically, that suits West Allegheny High School. Those enrolled will be expected to meet deadlines, work in a business and workshop atmosphere, and be responsible for generating and budgeting revenue to ensure solvent finances. Higher level students will be responsible for holding down an editor position, making decisions to keep the yearbook on track, completing final proofs, and/or helping staff with their responsibilities.

*Grade level: 9, 10, 11, 12*

## INTRODUCTION TO GAME DESIGN

**0621 1 CREDIT**

**5.0 GPA SCALE**

**6 CCAC CREDITS POSSIBLE THROUGH ECIHSA**

MMC 160 – GAME DESIGN & LAYOUT (3 CR)  
(Student must earn a qualifying score on CCAC's aligned placement test to be eligible to earn CCAC credit)

MMC 113: MULTIMEDIA GRAPHICS (3 CR)

In this course you will learn the fundamentals of game design through hands-on modding, prototyping, and iteration of a variety of games. You will also use professional game design techniques to create playable mobile games that you can add to your game design portfolio. Using GameSalad, you will learn the fundamentals of game balance, apply competition and playfulness, demonstrate a working knowledge of triangularity, and debug using iterative game design. Students will also be introduced to the design and development of two-dimensional (2D) and three-dimensional (3D) game graphic assets. Students work with industry standard software packages to create graphical assets to be presented in a portfolio.

*Grade level: 9, 10, 11, 12*



# BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

## IT FUNDAMENTALS

**0627 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

INFS 1020: FUNDAMENTALS OF IT (3 CR)

✓ *Students may have the opportunity to earn an industry recognized credential in this course.*

Today's job market demands individuals have demonstrable skills. The information and activities in this course can help you build your foundational technology skill set so that you can confidently and safely engage in the digital world. You will explore the beginnings of a diverse range of technology concepts and career paths, from building computers to computer programming, from secure Internet browsing to building databases. This course focuses on the essential technology skills and knowledge used daily by skilled technology users both in and outside of the IT industry. Students will be trained to pass the CompTIA Learn+ certification exam if they wish to pursue it.

**Grade level: 9, 10, 11, 12**

## CYBERSECURITY

**0629 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

CYBS 2000: INTRO TO CYBERSECURITY (3 CR)

✓ *Students may have the opportunity to earn an industry recognized credential in this course.*

This course provides an introductory study of cybersecurity. The course exposes students to the terminology, principles, and technologies related to cybersecurity and its implementation in various industries. The course covers the fundamental concepts of confidentiality, integrity, and availability, and applies these to present-day computing situation, including legal issues, security planning, and security awareness.

**Grade level: 9, 10, 11, 12**

## BUSINESS, LAW, AND SOCIETY

**0604 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

BLAW 2000: LAW, BUSINESS, AND SOCIETY (3 CR)

This course introduces students to the legal system and the role it plays in the business world, specifically, and society in general. It emphasizes the complexity and interrelationship of legal, social, and ethical issues. Students acquire knowledge and understanding of the legal implications of business transactions. Specific areas studied include, the role of government, business ethics, the American legal system, contracts, business torts, debtor-creditor- relationships, government regulations of business, business structure, consumer protection and legal and ethical issues related to the internet.

**Grade level: 10, 11, 12**

❖ **This course may count toward a student's fourth social studies credit.**

## AI ADVENTURES: EXPLORING CREATIVITY AND INNOVATION

**0610 1 CREDIT**

**4.0 GPA SCALE**

This is an interactive, hands-on course that introduces students to the powerful world of AI through a variety of engaging tools and applications. Each week, students will dive into a new AI domain, exploring art generation, image creation and editing, voice-to-text transcription, story development, 3D modeling, and more. Students will gain a foundational understanding of how AI is transforming industries, inspiring creativity, and shaping our world. This course prepares students to engage thoughtfully with AI and prepares them for its future applications.

**Grade level: 10, 11, 12**

# BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

## FINANCIAL ACCOUNTING

0616 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA

ACCT 2030: INTRO FINANCIAL ACCOUNTING (3 CR)

This course is designed to introduce students to accounting terms and principles. Students will also learn how to prepare and use financial statements. The focus of this course will be on accounting data generated for external users of financial information. The accounting environment is examined along with the basic concepts which govern the recording and reporting of economic events in the accounting records. Study of debits and credits, accrual accounting, and the accounting cycle establishes the framework for an understanding of the transformation of accounting data into financial statement format.

*Highly Recommended: Principles of Business*

**Grade level: 10, 11, 12**

❖ This course may count toward a student's fourth mathematics credit.

## AP COMPUTER SCIENCE A

0618 1 CREDIT

5.0 GPA SCALE

8 CCAC CREDITS POSSIBLE THROUGH ECIHSA

CIT 130: OBJ ORIEN PROG 1: JAVA (4 CR)

CIT 111: INTRO TO PROG: JAVA (4 CR)

*(Student must earn a qualifying score on CCAC's aligned placement test to be eligible to earn CCAC credit)*

AP Computer Science A embraces problem solving, algorithms, and perspectives that help people utilize computers to address real world problems. The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodology, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. This course requires potential solutions of problems be written in Java programming language. Java is an extensive language and only a subset of Java will be covered in the course.

- Curriculum is focused on object-oriented programming and problem solving.
- Encourages skill development among students considering a career in computer science or other STEM fields.
- AP assessment experience:
  - Multiple-choice and free-response questions (written exam)

**Prerequisite:** Completion of or concurrent enrollment in Algebra 2 or HEC Algebra 2 and completion of AP Computer Science Principles or Teacher Recommendation

**Grade level: 10, 11, 12**

❖ This course may count toward a student's fourth mathematics credit.

## INTRO TO DATA ANALYTICS WITH PYTHON

0619 1 CREDIT

5.0 GPA SCALE

4 CCAC CREDITS POSSIBLE THROUGH ECIHSA

CIT 119: PYTHON 1 (4 CR)

This course introduces the computer programming language Python and examines the concepts of data analysis and how it impacts the business process. An emphasis will be placed on the development of sound research questions, the identification and verification of data sources, the retrieval, cleaning and manipulation of data, and the process for identifying the data elements that are relevant for a given audience as well as flow, object-oriented programming, and graphical user interface-driven applications using Python.

**Prerequisite:** Completion of or concurrent enrollment in Algebra 2 or HEC Algebra 2

**Grade level: 10, 11, 12**

❖ This course may count toward a student's fourth mathematics credit.

## 3D MODELING & ANIMATION

0623 1 CREDIT

5.0 GPA SCALE

6 CCAC CREDITS POSSIBLE THROUGH ECIHSA

MMC 260: 3D MODELING DESIGN AND LAYOUT (3 CR)

MMC 270: 3D ANIMATION AND DESIGN (3 CR)

Learn the 3D modeling and animation techniques used in movies, visual effects, video games, cartoons, commercials, and animation! Using Maya, you will work in this highly skill-based art form to manipulate and sculpt pure imagination into substantial forms. By the end of the course, you will have developed a portfolio of original projects that you can use when applying for an internship, higher education, or a job.

**Grade level: 10, 11, 12**

# BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

## MANAGERIAL ACCOUNTING

**0605 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

ACCT 2060: MANAGERIAL ACCOUNTING (3 CR)

This course deals with techniques of interpreting accounting data for decision making. Topics emphasized are the analysis and interpretation of reports; the establishment of operating financial standards; the measurement of managerial performance; the use of budgets in managerial control; the use of cost data and interpretation of cost reports; and the use of quantitative data in the formulation of managerial policies.

***Prerequisite:** Financial Accounting*

***Grade level:** 11, 12*

❖ This course may count toward a student's fourth mathematics credit.

## COMPUTER NETWORKING

**0628 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

INFS 3230: COMPUTER NETWORKING (3 CR)

This course introduces students to computer networking fundamentals. Students will gain the knowledge and skills they need to install, configure, and maintain a network for a small business. Students will be trained to pass the TestOut Network Pro certification. Additional preparation for the CompTIA Network+ certification exam will be available if they wish to pursue it.

***Prerequisite:** Intro to Cybersecurity*

***Grade level:** 11, 12*

## PROGRAMMING IN C# & C++

**0620 1 CREDIT**

**5.0 GPA SCALE**

**8 CCAC CREDITS POSSIBLE THROUGH ECIHSA**

CIT 165: PROGRAMMING IN C# (4 CR)

CIT 245: DATA STRUCTURES AND ALGORITHMS  
USING C++ (4 CR)

In this course students will develop a working knowledge of the programming languages C# and C++. Topics include program structure, data types and variables, bit operators, control structures, input/output, arrays, pointers, and data structures. Students will learn about software design and development focusing on data abstraction and implementation of information structures.

***Prerequisite:** AP Computer Science A*

***Grade level:** 11, 12*

❖ This course may count toward a student's fourth mathematics credit.

## 2D/3D GAME DEVELOPMENT

**0625 1 CREDIT**

**5.0 GPA SCALE**

**6 CCAC CREDITS POSSIBLE THROUGH ECIHSA**

MMC 165: 2D GAME DESIGN & CREATION (3 CR)

MMC 250: 3D GAME DEVELOPMENT  
ENVIRONMENTS AND INTERACTIVITY (3 CR)

Are you ready to take your programming skills into the next dimension? In this course, learn how to create dynamic Unity™ 3D games using the same industry standard developing engine as professionals. You will create two fully executable games that can be played on many platforms and added to your digital portfolio. You will also learn to design and create game environments utilizing Unreal Engine. You will learn to design and develop game assets to create your own video game content.

***Prerequisite:** AP Computer Science Principles or AP Computer Science A*

***Grade level:** 11, 12*

❖ This course may count toward a student's fourth mathematics credit.

## GAME PRODUCTION AND MARKETING

**0624 0.5 CREDIT (SEMESTER 2)**

**5.0 GPA SCALE**

**3 CCAC CREDITS POSSIBLE THROUGH ECIHSA**

MMC 280: MULTIMEDIA CAPSTONE (3 CR)

This course provides students with experience of industry standard project design and development. Students work in teams to develop a video game from pre-production through the post-production phases for their portfolios. During the course, industry software and practices are reviewed and implemented into the overall experience. At the end of the course, students pitch their product to professionals in the industry.

***Prerequisite:** ALL MMC and CIT Program Requirements*

***Grade level:** 12*

❖ This course may count toward a student's fourth social studies credit.

# BUSINESS, COMPUTER, AND INFORMATION TECHNOLOGY

## VIRTUAL REALITY

**0626 0.5 CREDIT (SEMESTER 1)**

**5.0 GPA SCALE**

### 6 CCAC CREDITS POSSIBLE THROUGH ECIHSA

MMC 170: VIRTUAL DESIGN & SIM REALITIES (3 CR)

ART 144: DIGITAL PHOTOGRAPHY (3 CR)

(Asynchronous through CCAC)

This course will teach the utilization of software to apply basic animation motion for game creation and simulation. Students begin practicing with current virtual realities and elements to create interactive simulated environments using current game engine technologies. During this course, students will practice with hardware and software needed to implement immersive media experiences. Students will also create simulations for gaming, training, and environmental experiences to examine the many uses of these emerging media forms.

***Prerequisite:** Intro to Game Design, 2D/3D Game Development*

***Grade level:** 12*

❖This course may count toward a student's fourth science credit.

## SPORTS & ENTERTAINMENT MKT

**(S1 - WAVA ONLY)**

**V604 .50 CREDIT**

**4.0 GPA SCALE**

This one-semester course is intended to help students gain an insight into the field of sports, entertainment, and recreation marketing. In this course, students will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. Students will also explore the necessary steps to chart their own career path from among the professional roles that these industries need to operate.

***Grade level:** 10, 11, 12*

## INTERNATIONAL BUSINESS

**(S2 - WAVA ONLY)**

**V605 .50 CREDIT**

**4.0 GPA SCALE**

This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides an understanding of how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course.

***Grade level:** 10, 11, 12*

## CAREER DISCOVERY

**(S - WAVA ONLY)**

**V606 .50 CREDIT**

**4.0 GPA SCALE**

This one-semester course is intended as a practical, hands-on guide to career exploration and planning. This course covers all of the clusters in the National Career Clusters Framework. Students will explore the career pathways within each cluster, determine the academic and skill requirements for different career pathways, and learn about the jobs available in each pathway and the work these professionals do. This course will also guide students through the process of creating an academic and career plan based on their interests, abilities, and life goals.

***Grade level:** 9, 10, 11, 12*

## INTRODUCTION TO SOCIAL MEDIA

**(S - WAVA ONLY)**

**V749 .50 CREDIT**

**4.0 GPA SCALE**

This course is intended to familiarize students with the evolution and rapid growth of social media. The course explores different types of social media platforms, their features, and their benefits and risks. Students will learn about wikis and crowdsourcing and how social media is used for marketing. The course also covers online security and privacy guidelines, and what it means to be a good digital citizen.

***Grade level:** 9, 10, 11, 12*

# ENGINEERING AND TECHNOLOGY EDUCATION

## MANUFACTURING 1

**0700 1 CREDIT**

**5.0 GPA SCALE**

### 6 CCAC CREDITS POSSIBLE THROUGH ECIHSA

MEC 107: MANUFACTURING TECH: MATH, TECH & REASONING (3 CR)

MEC 109: MANUFACTURING TECH: PROCESSES, CONTROLS & QUALITY (3 CR)

✓ *Students will have the opportunity to earn an industry recognized credential while in this course.*

This course prepares students with the common skills and competencies they will need to work in Pennsylvania's manufacturing and energy industries. This course emphasizes principles of safety and quality while covering the production planning, inventory management, and the operating and troubleshooting of industrial equipment. Students will use safety-enhancing workplace practices, including wearing personal protective equipment (PPE), performing lockout/tagout, and filling out Material Safety Data Sheets (MSDS). They will utilize the fundamentals of blueprint reading, precision measurement, and quality inspection. Students that elect to take this course for college credit will sit for the industry credential exam to earn the achievement of the Certified Production Technician (CPT) credential. Fees for test materials and certification are covered by the district.

**Grade level: 9, 10, 11, 12**

## ELECTRICAL & MECHANICAL SYSTEMS

**0701 1 CREDIT**

**5.0 GPA SCALE**

### 6 CCAC CREDITS POSSIBLE THROUGH ECIHSA

EET 103: INTRO TO ELECTRONICS (3 CR)

EGR 181: INTRO TO MECHANICAL SYSTEMS (3 CR)

This course introduces the student to the fundamentals of direct current (DC) and alternating current (AC) electric circuits. This is accomplished through a series of hands-on exercises performed in the lab. The operation of basic circuit components and their electrical quantities are observed by constructing circuits and using a digital multimeter (DMM) to measure their operation. Students will learn how to read a schematic diagram and build series and parallel circuits from these diagrams.

Students will also gain experience and understanding of how to assemble mechanical drive systems that include couplings, shafts, bearings, belt drives, drive trains, and gears. This is accomplished through a series of hands-on exercises performed in the lab. Safety, installation, maintenance, and repair of these systems will be highlighted.

**Grade level: 9, 10, 11, 12**

## PRINCIPLES OF TECHNOLOGY

**0704 1 CREDIT**

**5.0 GPA SCALE**

### 3 RMU CREDITS POSSIBLE THROUGH ECIHSA

MEC 111: MECHATRONICS & INDUSTRY 4.0 (3 CR)

This course provides students an opportunity to develop skills and understanding through activity, project, and problem-based learning to prepare them for engineering courses of study. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem solving skills and apply the concepts of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

**Grade level: 9, 10, 11, 12**

## ARCHITECTURAL DESIGN

**0705 1 CREDIT**

**4.0 GPA SCALE**

In this course the students will explore design aspects of residential and commercial construction. This will be achieved through blueprint reading, floor layout, ergonomics, 3D modeling, and physical mock-ups.

**Grade level: 9, 10, 11, 12**

## DO IT YOURSELF (DIY)

**0713 1 CREDIT**

**4.0 GPA SCALE**

This course is an activity-based (year-long) course that focuses on the "Do it Yourself" trend. The students will design and manufacture a product based on desire from web sites like Etsy and Pinterest. The class will be structured to give students the opportunity to gain knowledge in tools and shop safety along with understanding how products are made.

**Grade level: 9, 10, 11, 12**

# ENGINEERING AND TECHNOLOGY EDUCATION

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## INTRO TO ENGINEERING DESIGN

0714 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA

ENGR 1010: INTRO TO ENGINEERING (3 CR)

Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

**Grade level: 9, 10, 11, 12**

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## MEDIA ARTS

0748 1 CREDIT

4.0 GPA SCALE

In this course, first year students will develop skills in four aspects of Media Arts: Photography, Video Production, Journalism and Design. Advanced students will choose one to two areas in which to specialize.

**Photography** students will learn how to properly use a DSLR camera and discover the differences between taking pictures and shooting photography. Students will focus on camera operation, light manipulation, exposure and composition.

**Video Production** students will learn how to properly use solid state cameras, how to operate a professional studio and control room, and explore the basics of editing. Students will focus on single and multiple camera operation, project creation in preproduction, production and postproduction stages, and how to edit using Adobe Premier.

**Journalism** students will learn the ways in constructing electronic news. They will learn how to properly write articles, interview individuals, create a feature and story series. Students will focus on the APA writing style, proper interviewing techniques, article construction and article layouts. The students will write and edit the student newspaper and website, the West Allegheny Legacy.

**Design** students will learn how to properly use formatting techniques and create multiple forms of digital media. Students will focus on imaging techniques, filter tools, and design aspects that use Adobe Photoshop in direct relation to Photography.

This class is a project-based class which focuses on “real world” aspects of Media Arts. The majority of grading will be based on project completion and deadlines. The students will be responsible for the operation and handling of equipment as well as completing assignments and projects on specific deadlines.

**Grade level: 9, 10, 11, 12**

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## TECHNICAL THEATRE: SET BUILDING

0699 .50 CREDIT

4.0 GPA SCALE

Students will learn and hone their skills in set design and building. Class will take place in the scene shop where students will learn how to safely use and identify equipment. Emphasis on basics of building/structure used for theater productions. Class work will be hands-on and project driven.

Grading will be based on in class participation and productions/performance outside the class including building sets for the Fall and Spring productions.

**Grade level: 9, 10, 11, 12**

# ENGINEERING AND TECHNOLOGY EDUCATION

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## **DRAWING AND DESIGN FOR ENGINEERING AND ARCHITECTURE 0706 1 CREDIT 4.0 GPA SCALE**

This activity-based course focuses on the basic technical drawing techniques that are commonly used in the engineering and construction field. This course focuses on the style, structure, and design of houses throughout history to the present day. Students will acquire skills in two- and three- dimensional drawings and design products with traditional drawing and CAD (Computer Aided Drawing) being emphasized. This course will also study home building design, structure, and materials to solve problems associated with designing and building a house.

**Grade level: 10, 11, 12**

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## **CADD 1 0708 1 CREDIT 4.0 GPA SCALE**

This is an activity-based course that further focuses on CADD and its application in the industries of architecture, art, and engineering. Students will concentrate on three-dimensional objects and drawings for each industry.

**Prerequisite:** 70% or higher in Drawing & Design for Engineering & Architecture

**Grade level: 10, 11, 12**

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## **CADD 2 0709 1 CREDIT 5.0 GPA SCALE**

This is an activity-based course that further focuses on CADD and its application in the architecture, art, and engineering industries. Students will concentrate on three-dimensional objects and their drawings for each industry.

**Prerequisite:** 70% or higher in CADD 1

**Grade level: 10, 11, 12**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
ENGR 2160: ENGINEERING GRAPHICS (3 CR)

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## **MANUFACTURING TECHNOLOGY 2 0712 1 CREDIT 4.0 GPA SCALE**

This course is an activity-based course that focuses on the manufacturing industry. The students will design and manufacture a product via mass production. Introducing other materials into self-designed projects, not just wood based. Laser engraving on abstract shapes, and the blending of finishing techniques.

**Prerequisite:** 70% or higher in Manufacturing Technology 1 or concurrent enrollment in Intro to Engineering Design

**Grade level: 10, 11, 12**

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## **ENGINEERING MATERIALS 0715 1 CREDIT 5.0 GPA SCALE**

The course content includes an examination of engineering materials such as metals, plastics, and composites with an emphasis on material selection. Processing for the optimization of material properties is covered extensively, as is material cost estimation for manufacturing.

**Pre/Corequisite:** Intro to Engineering Design and Manufacturing Technology 2

**Grade: 10, 11, 12**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
ENGR 2180: ENGINEERING MATERIALS (3 CR)

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## **DIGITAL ELECTRONICS 0716 1 CREDIT 5.0 GPA SCALE**

This course provides a series of hands-on learning experiences that align to the installation of an industrial power system. These experiences include reading and understanding schematic prints and completing the installation of an industrial motor system based on a schematic diagram using industry standards. Students will learn the basics of digital electronic devices and their applications by using logic gates and truth tables to reinforce their understanding of digital circuit operations.

**Prerequisites:** Home Systems, concurrently enrolled in Algebra 2 or higher math course

**Grade level: 10, 11, 12**

**6 CCAC CREDITS POSSIBLE THROUGH ECIHSA**  
MEC 106: INDUSTRIAL POWER SYSTEMS (3 CR)  
EET 208: DIGITAL ELECTRONICS (3 CR)

❖This course may count toward a student's fourth science credit.



# ENGINEERING AND TECHNOLOGY EDUCATION

## ENVIRONMENTAL SUSTAINABILITY

**0717 1 CREDIT**

**4.0 GPA SCALE**

In this course, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students will research and design potential solutions to these true-to-life challenges.

***Prerequisites:** 70% or higher in Honors Biology AND Introduction to Engineering, concurrently enrolled in Algebra 2 or higher math course*

**Grade level: 10, 11, 12**

❖ **This course may count toward a student's fourth science credit.**

## FLUID SYSTEMS & MOTOR CONTROL

**0702 1 CREDIT**

**5.0 GPA SCALE**

### 6 CCAC CREDITS POSSIBLE THROUGH ECIHSA

MEC 156: MOTORS AND MOTOR CONTROL (3 CR)

EGR 170: FLUID POWER SYSTEMS (3 CR)

This course introduces the basic concepts of single-phase motors, three-phase motors, and motor control circuits through a series of hands-on exercises performed in the lab. The student will connect various configurations of motor and motor controls that incorporate circuit protection and operator safety.

Through a series of hands-on exercises in the lab, this course focuses on the operation of hydraulic and pneumatic systems for power transmission in an industrial application. The student will have the ability to construct, operate, and troubleshoot fluid power systems and recognize the schematic symbols for the various hydraulic and pneumatic components.

***Prerequisite:** Home Systems*

**Grade level: 11, 12**

## POWER SYSTEMS

**0703 1 CREDIT**

**5.0 GPA SCALE**

### 6 CCAC CREDITS POSSIBLE THROUGH ECIHSA

MEC 108: PROG. LOGIC CONTROLLERS (3 CR)

MEC 112: INTRO TO ROBOTICS (3 CR)

This course provides a series of hands-on exercises performed in the lab as an introduction to programmable logic controllers (PLCs). Topics include connecting inputs and outputs to the PLC, writing, downloading, and debugging ladder logic programs and troubleshooting existing PLC circuits and programs.

This course is designed to introduce the concepts of servo control systems and automation systems used in robotic control systems through a series of hands-on exercises performed in the lab. The student will learn to program various robot models and review work cell safety.

***Prerequisite:** Home Systems*

**Grade level: 11, 12**

## CADD 3

**0710 1 CREDIT**

**4.0 GPA SCALE**

This is an activity-based course that further focuses on CADD and its application in the architecture, art, and engineering industries. Students will concentrate on three-dimensional objects and their drawings for each industry.

***Prerequisite:** 70% or higher in CADD 2*

**Grade level: 11, 12**

# ENGINEERING AND TECHNOLOGY EDUCATION

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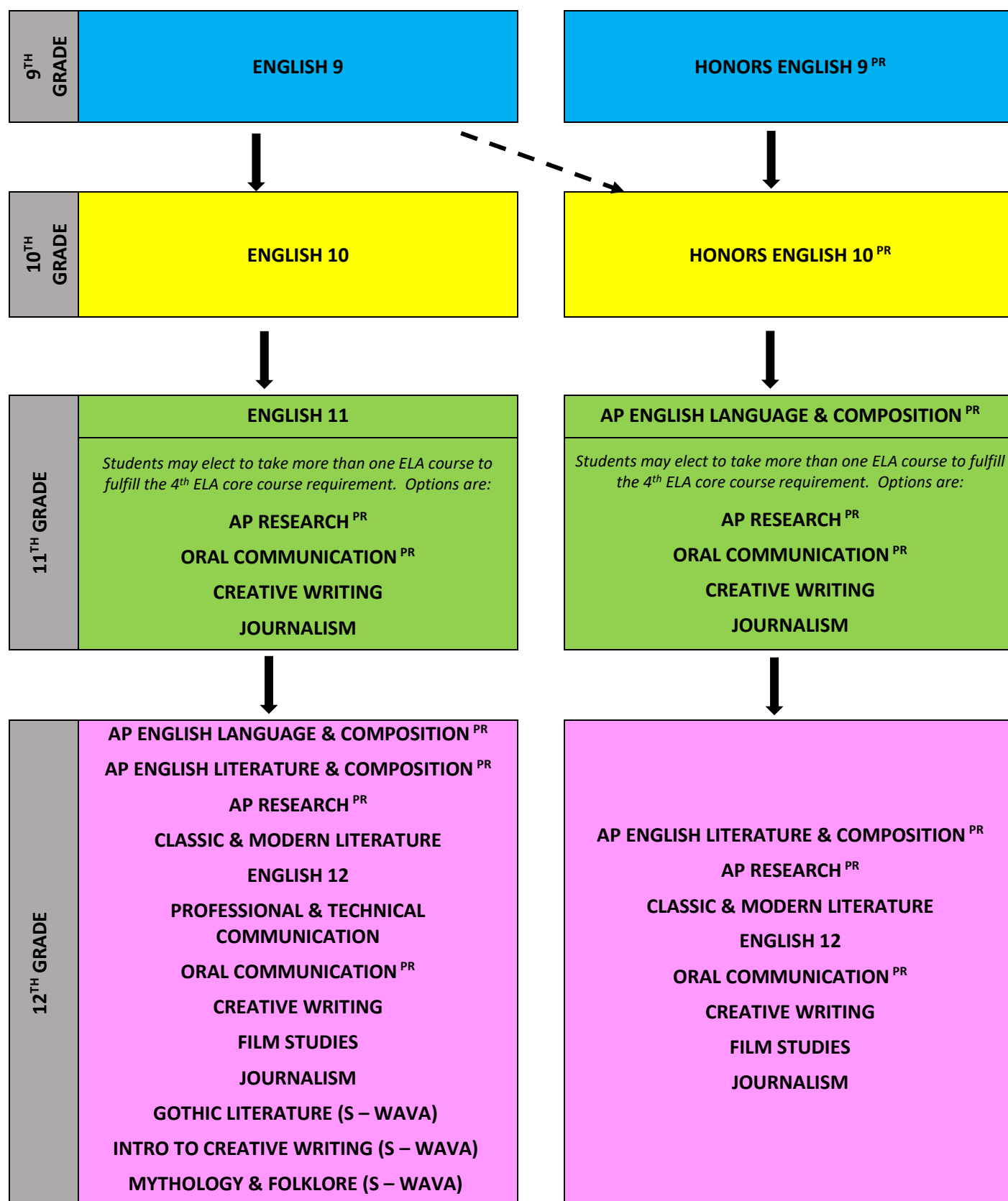
**FOUNDATIONS OF GREEN ENERGY  
(WAVA ONLY)  
V717 1 CREDIT  
4.0 GPA SCALE**

This course is for high school students who want to understand the rapidly growing and evolving energy field, with special emphasis on electrical energy and on new and emerging energy technologies. The course is designed to address state standards in the Energy and STEM domains as well as the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). Unit topics include the energy industry; energy science and efficiency; electrical generation, transmission, and distribution; conventional, alternative, and emerging energy sources; health, safety, and security issues; and energy careers and pathways, from entry level to professional.

***Prerequisites:*** 70% or higher in Introduction to Engineering, concurrently enrolled in Algebra 2 or higher math course

***Grade level:*** 10, 11, 12

# WEST ALLEGHENY HIGH SCHOOL ENGLISH SEQUENCE



<sup>PR</sup> - Check prerequisites in course descriptions

Students enrolling in an ECIHSA program should refer to the corresponding program page for course sequence.

# ENGLISH LANGUAGE ARTS

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## ENGLISH 9

**0101 1 CREDIT**

**4.0 GPA SCALE**

To prepare students for post-secondary endeavors, this class will introduce reading and analysis of fiction and nonfiction materials through the use of text-dependent questions, close readings, etc. This class will also provide an introduction to formal academic writing. Composition experiences will center on the development of the basic essay. In addition, those enrolled will apply writing skills to the analysis of quality literature in the areas of fiction, nonfiction, poetry, and drama. Research skills are also emphasized through various required projects. Students will be responsible for independent study in the form of reading and writing. English 9 provides the foundation of literacy skills needed to be successful in all courses where reading, writing, and analysis may apply.

***Grade level: 9***

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## HONORS ENGLISH 9

**0106 1 CREDIT**

**4.5 GPA SCALE**

Honors English 9 establishes the foundation for the AP English program. An emphasis will be placed on age-appropriate study in order to prepare students for independent post-secondary course work. This study may include but is not limited to: 1) nightly homework, 2) independent study (i.e. writing and reading assignments) and, for various required projects 3) formal academic library research in and outside of school. Emphasis will be placed on analysis of fiction and nonfiction, poetry and drama through the use of text-dependent questions and close readings. Students will synthesize their ideas by using evidence from primary and secondary sources. Students will have the opportunity to work and present individually or within a group.

***Prerequisites:* 85% or higher in 8<sup>th</sup> grade English, teacher recommendation**

***Grade level: 9***

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## ENGLISH 10

**0111 1 CREDIT**

**4.0 GPA SCALE**

To prepare students for post-secondary endeavors, students will develop the basic skills of writing a multi-paragraph essay and become proficient in writing them during the course of the year. In addition to the study of various literature genres, those enrolled will continue strengthening composition skills, developing public speaking skills, and enhancing critical thinking. Critical analysis in discussions and writing is emphasized and applied to various genres of fiction and nonfiction, such as drama, short stories, biographies, and essays. Students will take the Literature Keystones Exam towards the end of the year. A proficient score is required. If a proficient score is not achieved, remediation will be required.

***Grade level: 10***

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## HONORS ENGLISH 10

**0112 1 CREDIT**

**4.5 GPA SCALE**

Honors English 10 continues building a foundation for the AP English program. Students will develop the basic skills of writing a multi-paragraph essay and become proficient in writing them during the course of the year. Also, in addition to the study of various literature genres, those enrolled will continue strengthening composition skills, developing public speaking skills, and enhancing critical thinking. Critical analysis in discussions and writing is emphasized and applied to various genres of fiction and non-fiction such as drama, short stories, biographies and essays. Also, an emphasis will be placed on age-appropriate study in order to prepare the student for independent post-secondary course work. The latter may include but is not limited to: 1) nightly homework, 2) independent study (i.e. writing and reading assignments), 3) research in school during classes and study halls as well as research outside of school for various required projects. Students will take the Literature Keystones Exam towards the end of the year. A proficient score is required. If a proficient score is not achieved, remediation will be required.

***Prerequisites:* 85% or higher in English 9 or Honors English 9, teacher recommendation**

***Grade level: 10***

# ENGLISH LANGUAGE ARTS

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## ENGLISH 11

0121 1 CREDIT

4.0 GPA SCALE

English 11 builds on the foundational literary skills developed in English 9 and English 10. This course allows additional opportunities for the analysis of literature and nonfiction while promoting critical thinking as students analyze supplementary texts from the anthology, including seminal historical documents. Students will take part in novel studies with culminating projects to support each novel. An emphasis will be placed on preparing students for post-secondary endeavors. Students will engage in academic writing that will focus on analysis and critical thinking, providing space for students to work collaboratively with their peers, practice presentation skills, and participate actively in peer-driven academic discussions.

*Grade level: 11*

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## AP ENGLISH LANGUAGE AND COMPOSITION

0122 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA  
CSEN 1020: Argument & Research (3 CR)

AP English Language and Composition course cultivates the reading and writing skills that students need for collegiate success and for intellectually responsible civil engagement. This course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in this course will deepen and expand their understanding of how written language functions *rhetorically* to communicate writers' intentions and elicit readers' response in particular situations. This course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres (e.g. memos, letters, advertisements, political satires, personal narratives, scientific arguments, cultural critiques, research reports.) Students will encounter and evaluate pieces of literature with primary and secondary sources. This course requires significant reading and writing outside of class. Students will be required to take the Advanced Placement exam at the end of the course.

*Prerequisites: 85% or higher in English 10, Honors English 10 or College English 11, teacher recommendation*

*Grade level: 11, 12*

**NOTE:** This course will have a summer reading and writing requirement; students should check with the teacher before they leave school for the summer.

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## PROFESSIONAL & TECHNICAL COMMUNICATIONS

0130 1 CREDIT

4.0 GPA SCALE

This course offers an intensive study of professional and technical communication skills essential for success in both academic and workplace settings. Students will develop proficiency in written, verbal, and digital communication, focusing on clarity, professionalism, and audience awareness. Key topics include crafting professional documents such as e-mails, reports, instructions, and memos; understanding how to determine validity of resources; and creating impactful presentations. The course emphasizes understanding workplace expectations, teamwork, and digital literacy. Through practical assignments and real-world applications, students will learn to analyze diverse audiences and communicate effectively with both technical and non-technical readers. This course is designed to meet the needs of students pursuing industry certification as well as careers in business and industry.

*Grade level: 12*

# ENGLISH LANGUAGE ARTS

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## ENGLISH 12

**0131 1 CREDIT**

**4.0 GPA SCALE**

English 12 will build on the critical and analytical skills established in 11<sup>th</sup> grade. This course will emphasize close and critical readings of texts from the anthology as well as other supplemental materials. Students will take part in rigorous novel studies with culminating projects to support each novel. Students in this class will delve more deeply into college level texts focusing on higher level thinking questions and tasks. Writing assignments will cover a variety of academic writing that will focus on analysis and critical thinking, which will culminate with a research paper. Students will be given opportunities to work collaboratively with partners and in group situations as well as present in front of their peers.

**Grade level: 12**

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## AP ENGLISH LITERATURE AND COMPOSITION

**0132 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
ENGL 1040: READING LITERATURE COMING OF AGE

This course focuses on strengthening advanced skills in reading and writing, with a primary focus on the author's craft, purpose, and effect on the reader. It is designed for those who can progress rapidly to work beyond the high school level. Through extensive reading of world literature, students will learn to articulate their responses and to develop abilities in critical reading and analysis expected in college. In composition, emphasis is on extensive literary analysis of fiction, drama, and poetry, as well as the process of writing in many longer expository and argumentative forms. Students will synthesize literary claims by providing support from primary and secondary sources. Students will have the opportunity to work and present individually or within a group. Students will be exposed to different literary critique theories which they will utilize when examining texts. This course requires significant reading and writing outside of class. Students will be required to take the Advanced Placement exam at the end of the course.

**Prerequisites:** 85% or higher in College Readiness English 11 or AP English Language & Composition, teacher recommendation

**Grade level: 12**

**NOTE:** This course may have a summer reading and writing requirement. Students should check with the teacher before they leave school for the summer.

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## CLASSIC & MODERN LITERATURE

**0133 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
ELIT 1050: CLASSIC & MODERN LIT (3 CR)

This course focuses on the social processes and literary qualities that affect how particular works come to be considered "classics" and how these texts inspire modern works. It teaches students about the process of careful reading, analysis, and interpretation of literature and invites students to make connections between literature and their experiences. Students learn to distinguish between reading for comprehension and reading for pleasure, to recognize key principles of storytelling, and to distinguish types of literary works.

**Prerequisite:** Teacher recommendation

**Grade level: 12**

# ENGLISH LANGUAGE ARTS

## FILM STUDIES

**0134 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

HUMA 1010: ART & MUSIC (3 CR)

This course is designed for students to develop a greater comprehension of the evolution of cinematic art and music through the medium of film. The course focuses primarily on cinema in the United States and will explore the characteristics, style, classification, form, sound, music, and narrative structure of film through critical analysis and relationship to historical events and genre. Students will be exposed to a variety of film genres and cinematography spanning the 20th and 21st centuries; however, it is the main objective of the course to aid in the development of the student's ability to think critically about techniques and purpose of film within a historical context and as manifestations of popular culture. Students will gain the tools necessary to evaluate film analysis of narrative structure, dialogue, cinematography, editing, musical score, and marketing within popular culture. Students may expect to complete a research project focusing on a particular director's style and his/her works, will and create their own short film project in a style of their choosing.

**Grade level: 12**

## CREATIVE WRITING

**0150 1 CREDIT**

**5.0 GPA SCALE**

**3 SHU CREDITS POSSIBLE THROUGH ECIHSA**

SEL 153: INTRODUCTION TO CREATIVE WRITING  
(3 CR)

This course allows students to explore a variety of genres such as poetry, short stories, and creative nonfiction to analyze how authors use a variety of techniques to construct meaning through stylistic choices in their writing. Students will read a variety of texts to learn about different authors' choices and ways of crafting great writing. Using the writing process, students will craft original poems, short stories, and other pieces of creative work to build their own writing portfolio and a strong writing habit. Through this course, students will have opportunities to write for authentic audiences and explore real-world applications of creative writers.

**Prerequisite:** Teacher recommendation

**Grade level: 11, 12**

## ORAL COMMUNICATIONS

**0151 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**

CSCM 1030: COMMUNICATIONS, PUBLIC  
SPEAKING AND PERSUASION (3 CR)

This course has been designed to give students an opportunity to develop personal expression skills and self-confidence as well as to increase their appreciation for the aesthetic qualities of oral discourse. These goals will be accomplished through three strands of study. In the first, the students will prepare various types of discourse such as those meant to inform, entertain, persuade, or tell a story. Next, those enrolled will be asked to speak extemporaneously on a variety of topics with which they are familiar, such as world events, local news, or school issues. The final focus will be on oral communications within a "real world" application. In all strands, the students will be encouraged to sharpen their organizational and delivery skills. Critical listening skills will be developed as students analyze one another's oral presentations.

**Prerequisite:** Teacher recommendation

**Students wishing to earn RMU credit for this course must have earned RMU credit for  
AP English Language & Composition (CSEN 1020)**

**Grade level: 11, 12**



# ENGLISH LANGUAGE ARTS

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## JOURNALISM

**0152 1 CREDIT**

**5.0 GPA SCALE**

**3 SHU CREDITS POSSIBLE THROUGH ECIHSA**  
SEL 160: NEWS, ARTS, SPORTS WRITING (3 CR)

This course teaches the basic principles and practices of contemporary journalism. Students will explore the foundations of journalism, learn key skills involved in reporting and writing, and critically evaluate the role of journalism in democracies. Other topics include the changes in the production, distribution, and consumption of news, journalism ethics, key legal decisions involving the practice of journalism in the U.S. and analyzing and critiquing news content. Students will create a variety of written and visual texts, including news reports, columns, editorials, photo galleries, and video reports.

**Grade level: 11, 12**

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## GOTHIC LITERATURE

**(S1 - WAVA ONLY)**

**V154 .50 CREDIT**

**4.0 GPA SCALE**

In Gothic Literature, students will learn about how some of the world's greatest authors from the 19th century through today used Gothic elements to tackle issues that needed serious attention: the class system, gender norms, racism, social injustice, and more!

**Prerequisite:** Teacher recommendation

**Grade level: 11, 12**

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## INTRO TO CREATIVE WRITING

**(S - WAVA ONLY)**

**V155 .50 CREDIT**

**4.0 GPA SCALE**

In this course, students will learn about the scope of creative writing and its genres. Students will identify the key elements of prose and poetry and look at writing for stage, film, and TV. Students will learn about theatrical and film techniques, as well as technical effects that are typically used in electronic media. Finally, students will look at writing for younger audiences, for advertising, and journalism and learn how the publishing industry works.

**Prerequisite:** Teacher recommendation

**Grade level: 11, 12**

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## MYTHOLOGY & FOLKLORE

**(S2 - WAVA ONLY)**

**V156 .50 CREDIT**

**4.0 GPA SCALE**

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Students will identify the main characters of various dynastic dramas, love myths, and epic legends and describe their journeys. Students will trace the evolution of these compelling tales and how they continue to shape society even today.

**Prerequisite:** Teacher recommendation

**Grade level: 11, 12**

# FAMILY AND CONSUMER SCIENCES

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## EXPLORING FOODS

0720 1 CREDIT

4.0 GPA SCALE

This course is designed to broaden the student's knowledge of healthy food selection, storage, and preparation. Management techniques, cooking skills, and an appreciation of food preparation and services are learned. Students will take an active role in learning course content through weekly hands-on applications, laboratory experiences, teacher demonstration, and group projects. Students will prepare a variety of recipes from all of the food groups in a safe and creative way. If you want to deepen your knowledge of food preparation, this a great course to start!

*Grade level: 9, 10, 11, 12*

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## WEST A CAFÉ

0737 1 CREDIT

4.0 GPA SCALE

This class is designed to assist students within the WA Café and create partnerships between students in regular education and the Life Skills Program. Students are joined together to help each other reach goals in transitioning beyond high school. Students' responsibilities will include assisting students at the different stations in the café (cooking station, bagel station, coffee station, and delivery station).

**NOTE:** Interested students must apply and successfully complete an interview. Applications can be found in Ms. Roger's room (C116), or the guidance office.

*Prerequisite: Successful candidate in application/interview process*

*Grade level: 11, 12*

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## NAVIGATING ADULTHOOD

(S – WAVA ONLY)

V733 .50 CREDIT

4.0 GPA SCALE

In this course, students will learn more about themselves and prepare for the future through goal setting, decision making, surviving college and career, and how to become a valuable contributing member of society. Topics will include self-advocacy, communication, dealing with stress, interpersonal and personal relationships, money & financial resources, and self-care.

*Grade level: 10, 11, 12*

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## FAMILY AND COMMUNITY RELATIONS

0727 1 CREDIT

4.0 GPA SCALE

Family & Community Relations has been developed for high school students interested in human behavior and career opportunities available in early childhood/elementary education, pediatrics, and childcare services. The curriculum will provide opportunities for students to develop a sense of professionalism in school and community settings, while examining the shifting demographic context of schools and communities in the United States. The course will focus on the interaction of families, schools, and communities, and how that interaction can influence a child's health and success. Further, taking into account economic and cultural diversity as well as exceptionality, this course focuses on promoting learning and resolving issues throughout the early childhood and elementary years.

*Grade level: 9, 10, 11, 12*

# FAMILY AND CONSUMER SCIENCES

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## CHILD DEVELOPMENT 1

**0732 1 CREDIT**

**5.0 GPA SCALE**

### 6 RMU CREDITS POSSIBLE THROUGH ECIHSA

ECED 1500: FOUNDATIONS OF EDU (3 CR)

ECED 4900: INFANT & TODDLER PRACT (3 CR)

Child Development 1 has been developed for high school students interested in human behavior and career opportunities available in early childhood/elementary education, pediatrics, and childcare services. Students will examine the role of a teacher through knowledge of children in the areas of physical, cognitive, social, emotional, and moral development. Activities in the course will focus on health, nutrition, movement skills, and strategies for confident participation in physical activity for early childhood educators. Current research and ideas in early childhood development will be used in conjunction with historical approaches that examine growth and development. In addition, this course will help prepare the aspiring teacher with the appreciation and the ability to utilize creative expression in early childhood settings and classes. November through April, students will assume the role of early childhood educator to plan and implement developmentally appropriate activities and interact effectively with children in our preschool lab.

**Grade level: 10, 11, 12**

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## CHILD DEVELOPMENT 2

**0733 1 CREDIT**

**5.0 GPA SCALE**

### 6 RMU CREDITS POSSIBLE THROUGH ECIHSA

ENGL 1070: CHILDREN'S LITERATURE (3 CR)

SDIN 2100: DISABILITIES STUDIES (3CR)

Child Development 2 has been developed as an extension of Child Development 1 for high school students interested in human behavior and career opportunities available in early childhood/elementary education, pediatrics, and childcare services. This course will give the aspiring teacher the opportunity to gain insight into the relationship between child development, learning, and teaching. In addition, this course will help students understand the importance of children's literature. Students will learn how to evaluate and integrate children's literature into everyday lessons as a way to motivate children to read. November through April, students will assume the role of early childhood educator to plan and implement developmentally appropriate activities and interact effectively with children in our preschool lab.

**Prerequisite:** 85% or higher in Child Development 1

**Grade level: 11, 12**

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## PARTNERS IN EDUCATION - EXPLORING FOODS

**0735 1 CREDIT**

**5.0 GPA SCALE**

### 3 RMU CREDITS POSSIBLE THROUGH ECIHSA

SDIN 2010: INTRO SPECIAL EDUCATION (3 CR)

This course will create partnerships between students in regular education and the Life Skills Program. Students are joined together to help each other reach the goals of a regular Food Preparation class. Through varied lab experiences, all students will learn about basic food preparation techniques, science, personal hygiene, personal wellness, and grocery shopping. The approach of this class is simplified to enhance individual learning. This course will create partnerships between students in regular education and the Life Skills Program. All students will learn important social and life skills needed to develop healthy relationships with people of all ability levels.

NOTE: Interested students must apply and successfully complete an interview with Partners in Education teachers. Applications can be found in Mrs. Persing's room (B114), Ms. Roger's room (C116), or the guidance office.

**Prerequisite:** Exploring Foods and successful candidate in the application/interview process

**Grade level: 10, 11, 12**

# FAMILY AND CONSUMER SCIENCES

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## TECHNOLOGY FOR ASPIRING TEACHERS

**0736 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
EDUC 2200: TECH FOR TEACHERS (3 CR)

Technology for Aspiring Teachers has been developed for high school students interested in career opportunities available in the field of education. This course will provide students with conceptual understanding and application of technology when planning and delivering instruction to enhance their future students' learning. Course topics include applying ISTE standards, selecting and using appropriate hardware and software resources to meet the diverse needs of all students, and using the internet as an instructional resource. Course discussions will include societal, ethical, legal, and equity issues related to technology, online learning as an instructional delivery option, and emerging practices such as the use of Makerspace. The students will select and use various forms of technology to meet the needs of all learners by developing a technologically integrated lesson and related lesson components.

***Grade level: 10, 11, 12***

# HEALTH AND PHYSICAL EDUCATION

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## PHYSICAL EDUCATION 9

**0802 .50 CREDIT**

**4.0 GPA SCALE**

Class meets 3-days per rotation for the entire school year.

Physical Education 9 is an introductory PE class for students coming to high school. Students will be held accountable with their attendance, behavior, and participation level. The focus of this class will be to give students a wide array of games and activities to help them get comfortable with the game and activity options that the high school provides. Learning game rules, gameplay techniques, and game strategies will be a primary focus as well as teamwork, cooperation, and active participation.

Games and activities include variations of the following sports: football, baseball/softball, basketball, hockey, volleyball, and tennis. Other units covered include boundary games, throwing/catching games, net games, and team sports.

In addition, students will participate in different personal fitness exercises to help promote wellness such as walking, jogging, hiking, recumbent bikes, steppers, rowing, elliptical and summit training, as well as a variety of body weight exercises.

**ATTIRE:** Students are required to wear proper footwear and clothing during their class. Not being prepared for class results in a grade being lowered.

**Grade level: 9**

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## HEALTH AND WELLNESS 10

**0803 .50 CREDIT**

**4.0 GPA SCALE**

Class meets 3-days per rotation for the entire school year.

Health and Wellness 10 is a **required** class for all 10<sup>th</sup> grade students. It is designed to provide students with a basic framework of knowledge necessary to develop positive attitudes and practices. This course will make use of a combination of lectures, power point presentations, class discussion, student oral presentations, guest speakers, student activities, and a life issues research paper.

Components of this course include nutrition, eating disorders, understanding drug use and addiction (recreational & prescription), preventing violence and abuse, preventing infectious diseases, and first aid and CPR, communicating effectively, assessing and evaluating individual health/wellness, coping with mental health struggles, goal setting, coping with loss, stress management, suicide prevention, physical fitness, healthy relationships and abstinence, sex education, and sexually transmitted disease education.

**Grade level: 10**

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## PHYSICAL CONDITIONING

**0820 6 DAY 1 CREDIT**

**0821 3 DAY .50 CREDIT**

**4.0 GPA SCALE**

Physical Conditioning is a weight-room based activity class. Students who take Physical Conditioning are held to the highest standards regarding their individual physical fitness level.

**Student Athletes:** Programs are designed by our after-school coaches that correlate with your athletic schedule. During your athletic season, the focus is prehab, rehab, injury prevention, and maintaining a level of strength throughout the season. During your offseason, workouts are designed to correlate with your after-school lifting schedule which focuses primarily on strength training.

**Non-Student Athletes:** No experience necessary! Your program is designed to gain strength through a variety of strength training styles. The beginning of the school year focuses on the four pillar movements of push, pull, squat, and hinge. After a foundation is created, exercise plans become more dynamic.

**ATTIRE:** Students are required to wear proper footwear and clothing during their PE9 class. Not being prepared for class results in a grade being lowered.

**Grade level: 9, 10, 11, 12**

# HEALTH AND PHYSICAL EDUCATION

## COMPETITIVE GAMES

0805 6 DAY 1 CREDIT

0806 3 DAY .50 CREDIT

4.0 GPA SCALE

Competitive Games is a high energy and high intensity games and activities gym class. The focus of this class is for students to be as active as possible and work well as part of a team in a highly competitive setting. Students who choose this class will be held accountable with their attendance, behavior, participation level, and ability to work well with others in a competitive environment.

Games and activities will include variations of games from the following sports: football, baseball/softball, basketball, hockey, volleyball, and tennis. Other units covered will include boundary games, throwing/catching games, net games, and team sports.

**ATTIRE:** Students are required to wear proper footwear and clothing during their class. Not being prepared for class results in a grade being lowered.

*Grade level: 10, 11, 12*

## LIFELONG FITNESS

0807 6 DAY 1 CREDIT

0808 3 DAY .50 CREDIT

4.0 GPA SCALE

Looking for a gym class experience without the highly competitive setting? Lifelong Fitness is for you! Lifelong Fitness focuses on students that plan to engage in a moderate level of physical activity in a less competitive environment.

Activities that would occur in the class are, but not limited to walking, jogging, hiking, recumbent bikes, steppers, rowing, elliptical and summit training, and using the cross-country trail.

**ATTIRE:** Students are required to wear proper footwear and clothing during their class. Not being prepared for class results in a grade being lowered.

*Grade level: 9, 10, 11, 12*

## DANCE

0792 3 DAY .50 CREDIT

4.0 GPA SCALE

Explore the art of dance while keeping physically fit! This course will expose students to classical and current dance genres including ballet, jazz, modern, tap, and hip hop. Each unit will highlight famous performance pieces and choreographers in addition dance techniques. Daily classes will include a center floor warm-up and short choreography combination. Students will learn about the elements of choreography and have the opportunity to create their own piece. Students are required to perform in at least one group dance in the annual showcase. No dance experience necessary.

**ATTIRE:** Students must dress for class in fitted comfortable clothes that allow for full range of motion. Dance shoes, tennis shoes, or bare feet recommended. Not being prepared for class results in a grade being lowered.

*Grade level: 9, 10, 11, 12*

## DANCE COMPANY

0793 3 DAY .50 CREDIT

4.0 GPA SCALE

Class meets 3-days per rotation for the entire school year.

Dance Company is a class reserved for students who have previous dance experience. Students will be selected for this course after completing an audition. Dance company students will perfect their dance technique with additional time spent on leaps and turns. Throughout the course, students will develop technical proficiency and focus on the detail of movement necessary for performance. Additionally, the Company students will focus on choreographing their own pieces for the showcase and other performance opportunities. School and community performances are required for a grade.

**ATTIRE:** Specific dance clothing and shoes are required. Not being prepared for class results in a grade being lowered.

**Prerequisite:** Audition Only

*Grade level: 9, 10, 11, 12*

# HEALTH AND PHYSICAL EDUCATION

## EXERCISE SCIENCE

0831 1 CREDIT

5.0 GPA SCALE

3 SHU CREDITS POSSIBLE THROUGH ECIHSA  
SER 110: INTRODUCTION TO EXERCISE SCIENCE

This course provides an overview of exercise science theory and principles and an examination of the physiological responses to both acute and chronic physical activity. The impact of environment, supplements, detraining and overtraining on physiological responses to exercise will also be highlighted. Various techniques utilized to assess physiological responses to exercise will also be discussed. The course will also highlight the exploration of therapeutic careers, medical terminology, sports nutrition, sports psychology, injuries and injury prevention and performance enhancement philosophies.

**Prerequisites:** 85% or higher in Health Education 10

**Grade level:** 11, 12

❖ This course may count toward a student's fourth science credit.

## LIFEGUARDING CERTIFICATION

0832 .50 CREDIT

4.5 GPA SCALE

✓ Students will have the opportunity to earn an industry recognized credential while in this course.

Lifeguarding Certification is for students who want to *pursue a job as a lifeguard*. It is a class that will frequently be in the swimming pool and requires active participation among its students. Lifeguarding focuses on stroke development and follows the American Red Cross requirements for Lifeguarding Certification.

Games and activities played include Stroke Development, Muscular Strength and Endurance Training, Pool Games, American Red Cross book work, tests, and certification completion.

Students who complete the course will receive a First Aid / CPR / AED 2-Year Certificate and a Lifeguarding Certificate.

**ATTIRE:** Students must wear appropriate attire, which may include a swimsuit, during class. Not being prepared for class results in a grade being lowered.

**Grade level:** 10, 11, 12

## PARTNERS IN PHYSICAL EDUCATION

0835 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA  
EDUC 2100: EDUCATIONAL PSYCHOLOGY &  
CLASSROOM MGMT (3 CR)

Partners in PE is designed to create an inclusive environment for all participating members. Typical peers take on the role of leaders, role models, and facilitators to encourage and motivate atypical peers through the use of fitness. The three main objectives of this program are to promote social, motor, and friend skills. This program also promotes students at all different levels to be respected and appreciated as valued members of the school community. Throughout this class, you will provide individualized support to promote healthy competition and good sportsmanship.

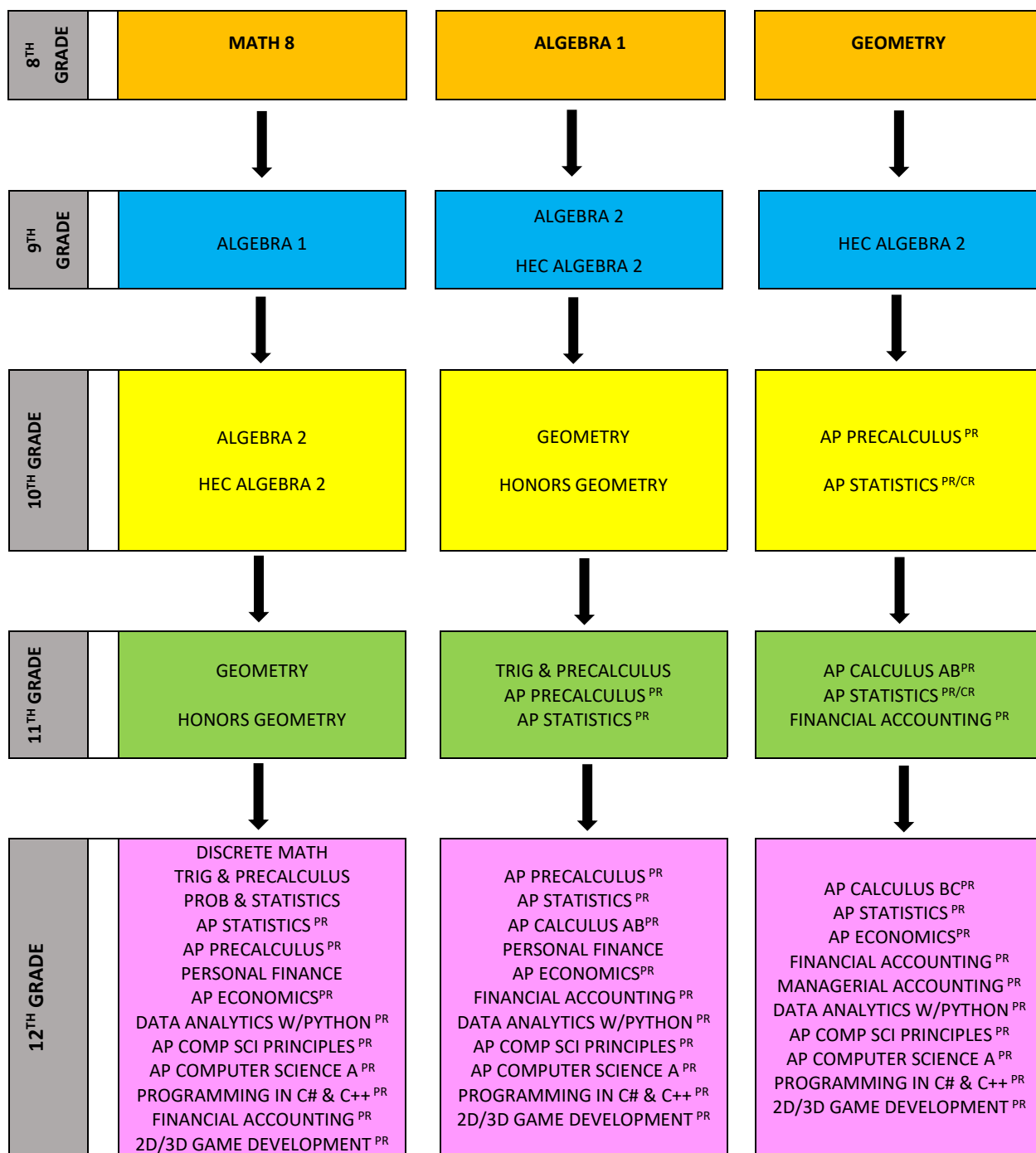
NOTE: Interested students must apply and successfully complete an interview with Partners in Physical Education teachers, Ms Rogers and Mr. D'Amico. Applications can be found in the Fitness Center, Ms. Rogers room (C116), or the guidance office.

**Grade level:** 10, 11, 12



# WEST ALLEGHENY HIGH SCHOOL

## MATH SEQUENCE



\*Students are encouraged to move diagonally across the pathways

<sup>PR</sup> - Check prerequisites in course descriptions

<sup>CR</sup> - Check corequisites in course descriptions

Students enrolling in an ECIHSA program should refer to the corresponding program page for course sequence.

# MATH

## ALGEBRA 1

0308 1 CREDIT  
4.0 GPA SCALE

Algebra 1 represents the beginning of academic mathematics and offers the student a contemporary study of algebra. Topics included in the course are relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, equations and expressions, and quadratic functions and modeling.

*Grade level: 9*

## ALGEBRA 2

0315 1 CREDIT  
4.0 GPA SCALE

Algebra 2 represents the continuation of academic mathematics and offers the student a contemporary study of algebra. This course will enable the students to understand, apply, and model real world situations with polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and inferences and conclusions with data.

*Prerequisites: Algebra 1*

*Grade level: 9, 10, 11, 12*

## HONORS EARLY COLLEGE ALGEBRA 2

0317 1 CREDIT  
5.0 GPA SCALE

Honors Early College Algebra 2 is a rigorous preparation for advanced mathematics. Exercises are more challenging, including graphing calculator explorations involving investigation of algebraic concepts. Topics include: polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and inferences with conclusions from data.

3 RMU CREDITS POSSIBLE THROUGH ECIHSA\*  
MATH 1010: COLLEGE MATHEMATICS (3 CR)

*Prerequisite: 85% or higher in 8<sup>th</sup> grade Geometry and/or Algebra 1 and teacher recommendation*

*Grade level: 9, 10, 11, 12*

*\*It is highly recommended that students check with college/university programs they are considering before electing to take for RMU credit as it may not count as a mathematics credit at a 4-year university.*

## GEOMETRY

0310 1 CREDIT  
4.0 GPA SCALE

Geometry uses inductive and deductive approaches to cover the topics of plane and solid geometry. Students will develop skills necessary to make and verify conjectures through reasoning and/or proof. Topics include congruence with proof and constructions, similarity, similarity with trigonometry, extending to three dimensions, connecting algebra and geometry through coordinates, circles with and without coordinates, and applications of probability.

*Prerequisite: Algebra 1 and Algebra 2*

*Grade level: 10, 11, 12*

## HONORS GEOMETRY

0311 1 CREDIT  
4.5 GPA SCALE

Honors Geometry is a rigorous course to encourage students to reason deductively. Topics covered in this course are parallel and perpendicular lines, congruence, similarity, and transformation of triangles, points of concurrency, geometric constructions, and right triangle trigonometry. Students will also apply fundamental geometric topics such as perimeter, area, and volume. Students will learn to model real-world situations and apply geometric theorems to solve problems arising from those situations. This course requires complex mathematical understanding, working at a faster pace, and spending time on exploration and enrichment topics.

*Prerequisites: Completion of Algebra 1, Honors Algebra 2 or Algebra 2, Proficient on Keystone Algebra 1, and teacher recommendation*

*Grade level: 10, 11, 12*

# MATH

## TRIGONOMETRY/PRECALCULUS

**0319 1 CREDIT**

**4.0 GPA SCALE**

Trigonometry/Precalculus provides a strong foundation of trigonometric and precalculus concepts, techniques, and applications to prepare students for more advanced work in mathematics. Technology is incorporated throughout the course to facilitate learning and doing mathematics. Students will develop quantitative reasoning and problem solving skills along with the ability to understand and communicate mathematical ideas effectively. Topics include: functions and graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and analytic geometry.

***Prerequisites:** Algebra 2, Honors Algebra 2 and Geometry*

***Grade level:** 10, 11, 12*

## AP PRECALCULUS

**0320 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
MATH 1020: PRECALCULUS (3 CR)

In AP Precalculus, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. During this course, students acquire and apply mathematical tools in real-world modeling situations in preparation for using these tools in college-level calculus. Throughout this course, students develop, and hone symbolic manipulation skills needed for future mathematics courses. There are four main units that will be studied in this course: Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions Involving Parameters, Vectors, and Matrices. Students will take the AP exam which could allow them to receive college credit.

***Prerequisites:** 85% or higher in Honors Algebra 2, teacher recommendation*

***Grade level:** 10, 11, 12*

## DISCRETE MATH

**0321 1 CREDIT**

**4.0 GPA SCALE**

Discrete mathematics is the study of mathematical structures that are fundamentally discrete rather than continuous. In contrast to real numbers that have the property of varying "smoothly", the objects studied in discrete mathematics (such as integers, graphs, and statements in logic) have distinct, separated values. This course presents material involving computation theory with a strong emphasis on practical algorithms and experiential learning. This course is designed to prepare for a background in abstraction, notation and critical thinking for the mathematics. Topics include: logic, basic set theory, countability and counting arguments, proof techniques, graph theory, combinatorics, discrete probability, matrices number theory and graph theory.

***Prerequisites:** Algebra 1, Algebra 2, Geometry, teacher recommendation*

***Grade level:** 12*

## AP CALCULUS AB

**0323 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
MATH 2070: CALCULUS WITH ANALYTICAL  
GEOMETRY I (3 CR)

AP Calculus AB is a college level course. Students are expected to have exemplary skills in algebraic reasoning, trigonometry, and precalculus concepts. Topics include representation of functions, exponential, inverse, trigonometric, and rational functions, logarithms, limits, differentiation techniques, velocity and growth rate, interpretation of the derivative and the second derivative, linearization, optimization, numerical integrations, integration techniques using anti-differentiation and substitution, area measurements, vector operations, parametric curves, dot products, and motion in the plane. Students will take the AP exam which could allow them to receive college credit.

***Prerequisites:** 85% or higher in Honors Trigonometry/Precalculus  
and teacher recommendation*

***Grade level:** 11, 12*

# MATH

## PROBABILITY & STATISTICS

**0318 1 CREDIT**

**4.0 GPA SCALE**

This is an introductory course that focuses on data and statistical reasoning. This course aims to give students an understanding of the main ideas of probability and statistics and useful skills for working with data. Topics include, but not limited to, displaying data, describing distributions with numbers, correlation and regression, producing data, the basics of probability, conditional probability and independence, probability distributions and normal distributions. Upon successful completion of this course students will have a solid foundation for statistics at the AP or college level.

***Prerequisites:** Successful completion of Algebra 2*

***Grade level:** 11, 12*

## AP STATISTICS

**0324 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
STAT 2110: STATISTICS (3 CR)

AP Statistics is a college level introductory course of the science of collecting, analyzing, and interpreting data. Students are expected to have above-average algebraic and reasoning skills. Topics include descriptive statistics, association and regression, causation and evidence, misleading statistics and bias in sample collection, probability, random variable and their distributions, distribution of sample means, confidence intervals for means and proportions, hypothesis tests of means and proportions in one sample, paired sample and two-sample t-tests, chi-square tests, and inference for slope in linear regression. These topics will be taught in conjunction with the TI-84 plus graphing calculator. Students will take the AP exam which could allow them to receive college credit. Students taking AP Stats in 10<sup>th</sup> or 11<sup>th</sup> grade should concurrently enroll in Honors Trig & Precalculus if they plan to take AP Calculus AB.

***Prerequisites:** 85% or higher in Algebra 2, teacher recommendation*

***Grade level:** 10, 11, 12*

## AP CALCULUS BC

**0325 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
MATH 2170: CALCULUS WITH ANALYTICAL  
GEOMETRY II (3 CR)

AP Calculus BC is a continuation and extension of the eight units covered per the College Board Course & Exam Description for the AP Calculus AB course, with an additional two units; Parametric Equations, Polar Coordinates, and Vector Functions, Infinite Series and Convergence. Students will take the AP exam which could allow them to receive college credit.

***Prerequisites:** 85% or higher in AP Calculus AB*

***Grade level:** 12*

## AP ECONOMICS

**0242 1 CREDIT**

**5.0 GPA SCALE**

**3 RMU CREDITS POSSIBLE THROUGH ECIHSA**  
ECON 1010: SURVEY OF ECONOMICS (3 CR)

This course will prepare students for the Advanced Placement Exam in Macroeconomics in May, as well as to provide the opportunity to earn RMU college credits.

The following big ideas are developed through the course:

- **Economic Measurements** - Students will learn how to measure economic growth through a number of different benchmarks. These include *GDP, CPI and the GDP Deflator, as well as the unemployment rate.*
- **Markets** - Students will be introduced to *supply and demand* using a *market trading game* in Unit 1, and by using a game designed to teach the *circular flow model* in Unit 2.
- **Macroeconomic Models** - The idea of a macroeconomic model of the economy is introduced using the basic production possibilities curve in Unit 1. Students will build on their understanding by creating more complex models such as the *Aggregate Demand—Aggregate Supply model* in Unit 3. Finally, the *Phillips Curve model* is discussed in Unit 5.
- **Macroeconomic Policies** - Students will learn about macroeconomics policy options (*fiscal and monetary policies*) and their implementation in Units 3-5

# MATH

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## AP ECONOMICS (cont.)

through a number of activities. These include:

- Government spending/taxing necessary to alleviate an output gap using the appropriate multiplier in Unit 3.
- Appropriate monetary policy based on current economic conditions in Unit 4.
- Students review different policy options and decide on the long-term consequences for each in Unit 5.

**Prerequisites:** Teacher recommendation

**Grade level:** 11, 12

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## PERSONAL FINANCE

**0725 1 CREDIT**

**5.0 GPA SCALE**

**3 SHU CREDITS POSSIBLE THROUGH ECIHSA**  
SMA 104: MAKE MONEY MATTER (3CR)

In this course, students will focus on understanding payroll deductions and the US tax code, including an activity based on filing Federal Income Tax. This course also addresses checking and savings products, focusing on the importance of why and how to save money. Students will learn how to budget their money and be introduced to investment strategies to prepare for retirement. Exploration of various credit accounts and how students can responsibly manage these accounts will prepare students for the future. Students will finish the course by exploring post-secondary education, associated costs, and student loans.

**Grade level:** 11, 12

# PERFORMING ARTS

## BAND

**0753 6 DAY 1 CREDIT**

**0754 3 DAY .50 CREDIT**

**4.0 GPA SCALE**

**1 SHU CREDITS POSSIBLE THROUGH ECIHSA**

SMU 182: GRIFFIN BAND (1 CR)

**JUNIORS & SENIORS ONLY**

A member of any of the band classes will have the opportunity to develop a sophisticated musical background through the academic study and performance of instrumental music. Emphasis is placed upon developing basic musicianship skills as well as advanced musicality and expression in many styles of music. While the concert band class during the school day is the core of the high school instrumental program, additional opportunities also exist for learning and performance through Marching Band, Jazz Ensemble, Percussion Ensemble, Small Ensembles, and enrichment activities.

**Grade level: 9, 10, 11, 12**

## WIND ENSEMBLE

**0756 6 DAY 1 CREDIT**

**0757 3 DAY .50 CREDIT**

**4.0 GPA SCALE**

**1 SHU CREDITS POSSIBLE THROUGH ECIHSA**

SMU 182: GRIFFIN BAND (1 CR)

**JUNIORS & SENIORS ONLY**

A member of any of the band classes will have the opportunity to develop a sophisticated musical background through the academic study and performance of instrumental music. Emphasis is placed upon developing basic musicianship skills as well as advanced musicality and expression in many styles of music. This class is a select ensemble for instrumental musicians who want to study more advanced band repertoire in a variety of styles. This ensemble demands a greater degree of performance area requirements. While the concert band class during the school day is the core of the high school instrumental program, additional opportunities also exist for learning and performance through Marching Band, Jazz Ensemble, Percussion Ensemble, Small Ensembles, and enrichment activities.

**Note:** Placement in Wind Ensemble is by audition and director permission ONLY.

**Grade level: 9, 10, 11, 12**

## JAZZ STUDIES: INSTRUMENTAL

**0760 3 DAY .50 CREDIT**

**4.0 GPA SCALE**

**1 SHU CREDITS POSSIBLE THROUGH ECIHSA**

SMU 178: JAZZ COMBO (1 CR)

**JUNIORS & SENIORS ONLY**

The *Jazz Studies* class provides a more specific opportunity for intense study, acceleration and enhancement for interested students to study jazz. The class will study performance styles, improvisation, theory and history through traditional methodology and current technologies. Students will be expected to improvise using appropriate scales and basic understanding of chord structures.

**Prerequisite:** Must have band instrument experience

**Grade level: 9, 10, 11, 12**

## MODERN BAND 1

**0761 3 DAY .50 CREDIT**

**4.0 GPA SCALE**

Students will learn how to play piano, guitar, bass guitar and drum set in a music lab equipped with guitars, bass guitars, pianos, amps, drums, and computers. Students will learn the basic techniques of each of these instruments before they begin to learn popular songs that are heard on the radio. Students will be required to practice and perform songs/repertoire during class for a grade. No prior experience on any of these instruments is required.

**Grade level: 9, 10, 11, 12**

## MODERN BAND 2

**0762 3 DAY .50 CREDIT**

**4.0 GPA SCALE**

Students will continue to learn how to play piano, guitar, bass guitar and drum set in a music lab equipped with guitars, bass guitars, pianos, amps, drums, and computers. This class is a continuation of the level 1 class, where students will continue to build upon the list of songs they have already learned, adding new chords and techniques along the way. Students will be required to practice and perform songs/repertoire during class for a grade.

**Prerequisite:** Modern Band 1

**Grade level: 10, 11, 12**

# PERFORMING ARTS

## MODERN BAND 3

0763 3 DAY .50 CREDIT

4.0 GPA SCALE

Students in this class will concentrate on a specific instrument (piano, guitar, bass guitar, drum set) in a music lab equipped with guitars, bass guitars, pianos, amps, drums, and computers. The songs that will be learned at this level are much more complex, requiring a higher level of understanding about all chords (major, minor, diminished, augmented), chord structures, piano voicings, different guitar techniques, etc. Students will be required to practice and perform songs/repertoire during class for a grade.

**Note:** Placement in Modern Band 3 is by audition on their choice of instrument and must demonstrate the ability necessary to participate at this level.

**Grade level: 10, 11, 12**

## CHORUS

0766 6 DAY 1 CREDIT

0768 3 DAY .50 CREDIT

4.0 GPA SCALE

1 SHU CREDITS POSSIBLE THROUGH ECIHSA

SMU 185: SETONIA OR

SMU 188: GLEE CLUB (1 CR)

JUNIORS & SENIORS ONLY

A member of each of the chorus classes will have the opportunity to develop a sophisticated musical background through the academic study and performance of choral music. Emphasis is placed upon developing basic musicianship skills as well as advanced musicality and expression in many styles of music. Students will study quality choral repertoire while developing comprehensive music reading skills and vocal technique. Additional opportunities also exist for learning and performance through honors choruses and enrichment activities. Students interested in a career in music education are highly encouraged to take this course. It is recommended to be taken on a 6-day rotation.

**Grade level: 9, 10, 11, 12**

## VOCAL STUDIES

0770 3 DAY .50 CREDIT

4.0 GPA SCALE

Students will develop their vocal skills through a variety of musical styles. Vocal techniques will be explored (breathing, vocal placement, etc.) with emphasis on performing repertoire in solo, duets and small chamber groups. Students will be expected to perform a variety of genres in class recitals throughout the year.

**Prerequisite:** Current participation in a choral ensemble

**Grade level: 9, 10, 11, 12**

## SHOW CHOIR

0774 6 DAY 1 CREDIT

0775 3 DAY .50 CREDIT

4.0 GPA SCALE

1 SHU CREDITS POSSIBLE THROUGH ECIHSA

SMU 185: SETONIA OR

SMU 188: GLEE CLUB (1 CR)

JUNIORS & SENIORS ONLY

This class is a natural outgrowth of the large choruses as a select ensemble for singers who want to study more advanced choral repertoire in a variety of styles.

The styles of music performed will include, but not be limited to: madrigals, chants, chorales, carols, ballads, spirituals, folk songs, patriotic songs, jazz and pop.

This ensemble demands a greater degree of performance area requirements and will be limited to 30 students.

### Notes:

- Placement in Show Choir is by audition and director permission ONLY.
- Auditions will be held in the spring of the prior school year.
- Students in the 3-day ensemble must continue to be a member of Chorus.

**Grade level: 10, 11, 12**



# PERFORMING ARTS

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## DIGITAL AUDIO PRODUCTION 1

0777 6 DAY 1 CREDIT

0778 3 DAY .50 CREDIT

4.0 GPA SCALE

This course will focus on a variety of music technology experiences, including sequencing, recording, sampling, sound design, composition, and basic music notation. Students will explore music software such as GarageBand, Finale, and Logic among others. Students will learn basic components of recording and have hands on experiences using audio and digital recording equipment. Music reading experience is recommended but not required. Students interested in the music business industry, music education, or recording are highly encouraged to take this course.

*Grade level: 9, 10, 11, 12*

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## DIGITAL AUDIO PRODUCTION 2

0779 6 DAY 1 CREDIT

0780 3 DAY .50 CREDIT

4.0 GPA SCALE

This course will continue skills and concepts learned in Digital Audio Production 1. Students will continue to study editing and recording techniques in Logic, focusing on the use of compression, EQ, and other effects. Students will also complete units in acoustics, recording drums/guitars/voice, and room modification. Students will also be working in other audio programs, such as Ableton Live and Finale, creating projects and learning sequencing/editing techniques. This course is open to students who have completed Digital Audio Production I or equivalent.

*Prerequisite: 85% or higher in Digital Audio Production I or teacher permission*

*Grade level: 10, 11, 12*

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## TECHNICAL THEATRE: CREW

0786 3 DAY .50 CREDIT

4.0 GPA SCALE

Students will learn and hone their skills as a crew member. The class will focus on the basics of sound, lighting, rigging, costume design, and other aspects of theater production. Students will learn how to program basic sound and lightning cues using QLab, properly run spotlights, and set up simple stage configurations

Technical Theatre is a project-based class and students will be utilized in the operation and handling of these systems for assemblies, concerts, and other events held in the auditorium. Grading will be based on in-class participation and productions/performances outside the class. This class can be taken in conjunction with Technical Theater B for a full credit.

*Grade level: 9, 10, 11, 12*

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## MUSIC APPRECIATION

(S - WAVA ONLY)

V790 .50 CREDIT

4.0 GPA SCALE

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

*Grade level: 9, 10, 11, 12*

# WEST ALLEGHENY HIGH SCHOOL SCIENCE SEQUENCE

<b>9<sup>TH</sup> GRADE</b>	<b>BIOLOGY WITH LAB HONORS BIOLOGY WITH LAB</b>
<b>10<sup>TH</sup> GRADE</b>	<b>CONCEPTUAL CHEMISTRY HONORS CHEMISTRY WITH LAB</b>
<b>11<sup>TH</sup> GRADE</b>	<b>CONCEPTUAL PHYSICS PHYSICS AP PHYSICS 1 <sup>PR</sup></b>
<b>12<sup>TH</sup> GRADE</b>	<b>HONORS ANATOMY AND PHYSIOLOGY <sup>PR</sup></b> <b>AP BIOLOGY <sup>PR</sup></b> <b>AP CHEMISTRY <sup>PR</sup></b> <b>AP PHYSICS 1 <sup>PR</sup></b> <b>AP PHYSICS 2 <sup>PR</sup></b> <b>FUNCTIONAL NUTRITION &amp; HEALTH</b> <b>ENVIRONMENTAL SCIENCE</b> <b>DIGITAL ELECTRONICS <sup>PR</sup></b> <b>EXERCISE SCIENCE <sup>PR</sup></b> <b>FORENSICS SCIENCE</b> <b>ENVIRONMENTAL SUSTAINABILITY</b> <b>VIRTUAL REALITY <sup>PR</sup></b> <b>HEALTH SCIENCES (WAVA)</b> <b>INTRO TO ASTRONOMY (S – WAVA)</b> <b>INTRO TO MARINE BIOLOGY (S – WAVA)</b> <b>INTRO TO VETRINARY SCIENCE (S – WAVA)</b> <b>FORESTRY &amp; NATURAL RESOURCES (S – WAVA)</b>

<sup>PR</sup> - Check prerequisites in course descriptions

S - Semester class worth .5 credits

Students enrolling in an ECIHSA program should refer to the corresponding program page for course sequence.

Students may elect to take more than one science course during any year.

# SCIENCE

## BIOLOGY WITH LAB

0402 1.50 CREDIT

4.0 GPA SCALE

Biology, the study of life, distinguishes living organisms from the nonliving by focusing on the common characteristics of life. There is a focus of study in the following areas: Structure and Function of Living Things, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution.

**Grade level: 9**

## HONORS BIOLOGY WITH LAB

0403 1.50 CREDIT

4.5 GPA SCALE

Biology, the study of life, distinguishes living organisms from the nonliving by focusing on the common characteristics of life. There is a focus of study in the following areas: Structure and Function of Living Things, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution.

This is a challenging, fast paced, in-depth course with extensive labs and major term projects geared towards very high-level 9<sup>th</sup> grade students.

**Prerequisites:** 85% or higher in 8<sup>th</sup> grade science, teacher recommendation

**Grade level: 9**

## CONCEPTUAL CHEMISTRY

0404 1 CREDIT

4.0 GPA SCALE

In this course, the student is introduced to the methods and contents of fundamental chemistry as part of a terminal chemistry course to meet science requirements of West Allegheny High School. A conceptual framework will be provided as students gain experience and appreciation of chemistry through experimentation and inquiry. Basic lab skills are developed with a reduction in complexity of mathematics.

**Grade level: 10**

## HONORS CHEMISTRY WITH LAB

0405 1.50 CREDIT

4.5 GPA SCALE

In this course, the student is introduced to the methods and contents of the fundamentals of chemistry while meeting the needs of those required to take a first-year college chemistry course. Concepts introduced in the classroom are applied in the laboratory as basic lab skills and application/synthesis of the material is explored.

**Prerequisites:** 85% or higher in Biology or Honors Biology

**Grade level: 10**

## CONCEPTUAL PHYSICS

0406 1 CREDIT

4.0 GPA SCALE

This course deals with the concepts of basic physics by using equations, tables, graphs, and labs. Areas of discussion include measurement, motion, force, velocity, acceleration, momentum, impulse, work, energy, power, and heat.

**Grade level: 11**

## PHYSICS

0407 1 CREDIT

4.0 GPA SCALE

Physics is a college preparatory course that enables students to experience science through a hands-on approach which requires them to think critically, apply math skills, collaborate with those around them, and communicate their answers using evidence. Topics discussed in this course are: Scientific Thinking & Reasoning, Kinematics, Dynamics (Newton's Laws), Energy, Momentum, Rotational Motion, and Wave Mechanics.

**Corequisite:** Concurrently in Algebra 2 or higher

**Grade level: 11**

# SCIENCE

## FORENSIC SCIENCE

0408 1 CREDIT

4.0 GPA SCALE

Forensic science is one of the fastest growing fields in the country and is a vital part of the criminal justice system. This course consists of 8-10 case studies incorporating the application of biology, chemistry, physics, and math into criminal investigation. Through lectures and laboratory experiments, students will learn the skills used by forensic scientists for solving crimes. This course is primarily designed as a project-based course that focuses on the development of logical thinking skills and problem-solving procedures through the collection and analysis of data. Some of the topics to be included are: specimen collections, glass and soil analysis, analyses of DNA, fingerprints, hair & fibers, simulated blood splatter, simulated drugs and poisons, cyber-crime and murder mystery scenarios.

*Grade level: 11, 12*

## ENVIRONMENTAL SCIENCE: ECOLOGICAL SUSTAINABILITY

0414 1 CREDIT

4.0 GPA SCALE

This year long course will explore the life science issues of environmental science, including ecological topics such as symbiosis (species interactions), adaptations and evolution, wildlife management, energy transfer, nutrient cycling in ecosystems, biodiversity, and genetically modified organisms. There will be a focus on careers exploring biodiversity, wildlife management, and ecological management. Students will explore how these issues are impacted by humans and how we can problem solve to create a more sustainable biosphere.

*Grade level: 12*

## HONORS ANATOMY AND PHYSIOLOGY

0409 1 CREDIT

4.5 GPA SCALE

This is a fast paced, in-depth course which studies specific areas of biological sciences, including anatomy, physiology, genetics, microbiology, and microecology. Individual dissection and lab work are required. This course is designed for those students having a high interest in the biological sciences who want to pursue a career in the medical, nursing, or physical therapy fields.

*Prerequisites: 85% or higher in Biology or Honors Biology AND Chemistry  
and also Proficient or Advanced on the Keystone Biology Exam*

*Grade level: 11, 12*

## AP BIOLOGY

0410 1.50 CREDIT

5.0 GPA SCALE

4 RMU CREDITS POSSIBLE THROUGH  
ECIHA\*

BIOL 1310/1315: PRINCIPLES OF  
BIOLOGY/LAB (4 CR)

This course is a high-level biology course designed to prepare students for the AP Biology Exam in May, which could allow them to receive college credit. This course is very rigorous and will place heavy demands on students. Instruction will be fast paced and encompass extensive biological content. Students will be expected to complete many self-guided laboratory investigations. The topics of emphasis will include biological principles, biochemistry, cell biology, bioenergetics, genetics, evolution, ecology, and organismal biology. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

**NOTE:** This course has a summer reading and writing requirement. Students should collect the materials before they leave school for the summer.

*Prerequisites: 85% or higher in Honors Biology AND Honors Chemistry,  
Teacher recommendation*

*\*Corequisite: Students in 10<sup>th</sup> grade must be concurrently enrolled in Honors Chemistry*

*Grade level: 10\*, 11, 12*

# SCIENCE

## AP CHEMISTRY

**0411 1.50 CREDIT**

**5.0 GPA SCALE**

**4 RMU CREDITS POSSIBLE THROUGH**

**ECIHS\***

CHEM 1210/1215: CHEMISTRY 1/LAB (4 CR)

AP Chemistry is a rigorous chemistry class, designed to be the equivalent of the general chemistry course usually taken during the first year of college. Through a variety of lesson formats and assignments, students will have the opportunity to develop their problem-solving skills, laboratory techniques, and written and verbal communication skills. Students will take the AP Chemistry exam in May which could result in receiving college credit.

**NOTE:** This course has a summer reading and writing requirement. Students should collect the materials before they leave school for the summer.

***Prerequisite:** 85% or higher in Honors Chemistry or teacher approval*

***Grade level:** 11, 12*

## AP PHYSICS 1

**0412 1.50 CREDIT**

**5.0 GPA SCALE**

**4 RMU CREDITS POSSIBLE THROUGH**

**ECIHS\***

PHYS 1210/1215: GENERAL PHYSICS 1/LAB (4 CR)

This is an algebra-based, introductory college level physics course designed for all college bound students interested in pursuing a science related field, more advanced work in the life sciences, medicine, geology, or as a component in a non-science college program that has science requirements. This course explores topics such as Kinematics, Dynamics, Conservation of Energy, Momentum, Rotational Motion, Simple Harmonic Motion and Fluid Mechanics. Students seeking to major in engineering, science, or any STEM related fields in college are encouraged to enroll.

Students will take the AP Physics 1 Exam in May which could result in receiving college credit. This is a rigorous course that relies heavily on students' math and algebra skills. In addition, through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires 25% of the instructional time be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that will provide students with the opportunity to apply the scientific practices.

\*It is highly recommended that students successfully complete Honors Chemistry & Lab before enrolling. Students choosing to bypass Honors Chemistry & Lab must sign a waiver.

***Prerequisites:** 85% or higher in Geometry, Algebra 2 AND Honors Chemistry, or Chemistry teacher recommendation*

***Corequisite:** Trigonometry/Precalculus*

***Grade level:** 10\*, 11, 12*

## AP PHYSICS 2

**0413 1.50 CREDIT**

**5.0 GPA SCALE**

**4 SHU CREDITS POSSIBLE THROUGH ECIHS\***

SPH 108/109: COLLEGE PHYSICS II & LAB (4 CR)

AP Physics 2 is equivalent to a second-semester college course in algebra-based physics and is a continuation of AP Physics 1. The course is designed to further students understanding(s) of content, develop/improve problem solving skills, sharpen math skills, cultivate data collection and analysis skills, and apply acquired knowledge to solve complex AP-level problems. Students will develop conceptual understandings about Thermodynamics; Electricity and Magnetism; Waves and Sound Optics; Atomic and Nuclear Physics; General Relativity; and other major topics from AP Physics 1. Students seeking to major in engineering, science, or any STEM related fields in college are strongly encouraged to enroll.

Students will take the AP Physics 2 Exam in May which could result in receiving college credit. This course is rigorous and will place heavy demands on students in terms of intellectual hurdles and personal time management.

***Prerequisite:** 85% or higher in AP Physics 1 AND teacher recommendation*

***Grade level:** 11, 12*

# SCIENCE

## FUNCTIONAL NUTRITION AND HEALTH

0415 1 CREDIT

5.0 GPA SCALE

3 SHU CREDITS POSSIBLE THROUGH ECIHSA  
SNT 160: NUTRITION FOR LIFE (3 CR)

The Functional Nutrition and Health course provides an in-depth exploration of the principles and science behind nutrition's impact on health. The curriculum covers the evolution of the modern diet and essential foundations of health, focusing on key topics like macronutrients, micronutrients, and digestion. Students will gain insights into the regulation of blood sugar, the importance of fatty acids, and the roles of minerals and hydration. The course also delves into lifestyle factors like sleep, stress, and movement, alongside specific relationships between nutrition and the endocrine, immune, and cardiovascular systems. The program concludes with a focus on detoxification, equipping students with the knowledge to support wellness and optimal health outcomes through a functional nutrition lens.

**Grade level: 11, 12**

## HEALTH SCIENCES (WAVA ONLY)

V425 1 CREDIT

4.0 GPA SCALE

In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

**Prerequisites:** 85% or higher in Biology, teacher recommendation

**Grade level: 10, 11, 12**

## INTRO TO ASTRONOMY (S - WAVA ONLY)

V426 .50 CREDIT

4.0 GPA SCALE

This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

**Grade level: 10, 11, 12**

## INTRO TO MARINE BIOLOGY (S - WAVA ONLY)

V427 .50 CREDIT

4.0 GPA SCALE

In Introduction to Marine Biology, students will begin to understand a great deal more about the aquatic cycles, structures, and processes that generate and sustain life in the sea. Through the use of scientific inquiry, research, measurement, and problem solving, students will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science.

**Prerequisites:** Successful completion of Biology

**Grade level: 10, 11, 12**

## INTRO TO VETERINARY SCIENCE (S2 - WAVA ONLY)

V428 .50 CREDIT

4.0 GPA SCALE

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

**Prerequisites:** 85% or higher in Biology, teacher recommendation

**Grade level: 10, 11, 12**

# SCIENCE

## FORESTRY & NATURAL RESOURCES

(S1 - WAVA ONLY)

V429 .50 CREDIT

4.0 GPA SCALE

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, students will learn more about forest ecology, management, and conservation. Students will explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, students will learn more about forestry related careers and important issues facing forestry professionals today.

***Prerequisites:** Successful completion of Biology*

***Grade level:** 10, 11, 12*



# WEST ALLEGHENY HIGH SCHOOL

## SOCIAL STUDIES SEQUENCE

<b>9<sup>TH</sup> GRADE</b>	<b>U.S. HISTORY HONORS U.S. HISTORY</b>
<b>10<sup>TH</sup> GRADE</b>	<b>AMERICAN GOVERNMENT HONORS AMERICAN GOVERNMENT AP U.S. GOVERNMENT AND POLITICS</b>
<b>11<sup>TH</sup> GRADE</b>	<b>WORLD CULTURES AP WORLD HISTORY</b>
<b>12<sup>TH</sup> GRADE</b>	<b>AP PSYCHOLOGY</b> <b>HONORS AFRICAN AMERICAN &amp; MULTICUL STUDIES</b> <b>CRIMINAL JUSTICE &amp; INVESTIGATIONS</b> <b>CORRECTIONS &amp; SOCIAL ISSUES</b> <b>HONORS PSYCHOLOGY AND SOCIOLOGY</b> <b>HONORS HOLOCAUST AND GENOCIDE STUDIES</b> <b>GAME PRODUCTION AND MARKETING<sup>PR</sup></b> <b>BUSINESS, LAW, &amp; SOCIETY</b> <b>AP SEMINAR<sup>PR</sup></b> <b>CURRENT AFFAIRS (S)</b> <b>SOCIOLOGY OF SPORTS (S)</b> <b>USMC JUNIOR ROTC 4<sup>PR</sup></b> <b>SPANISH 3<sup>PR</sup></b> <b>HONORS SPANISH 4<sup>PR</sup></b> <b>AP SPANISH LANGUAGE AND CULTURE<sup>PR</sup></b> <b>FRENCH 3 (WAVA)<sup>PR</sup></b> <b>FRENCH 4 (WAVA)<sup>PR</sup></b> <b>AP FRENCH LANGUAGE AND CULTURE (WAVA)<sup>PR</sup></b> <b>GERMAN 3<sup>PR</sup></b> <b>HONORS GERMAN 4<sup>PR</sup></b> <b>AP GERMAN LANGUAGE AND CULTURE<sup>PR</sup></b> <b>AP U.S. HISTORY<sup>PR</sup></b> <b>ETHNIC STUDIES (S – WAVA)</b> <b>INTRO TO WORLD RELIGIONS (S – WAVA)</b> <b>WOMEN’S STUDIES (S – WAVA)</b> <b>INTRO TO MILITARY CAREERS (S – WAVA)</b> <b>INTRO TO ARCHAEOLOGY (S – WAVA)</b>

<sup>PR</sup> - Check prerequisites in course descriptions

S - Semester class worth .5 credits

Students enrolling in an ECIHSA-PTC Health Science Academy or CCBC Aviation Academy should refer to the corresponding program flyer for course sequence.

Students may elect to take more than one social studies course during any year.

# SOCIAL STUDIES

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**U.S. HISTORY**  
**0210 1 CREDIT**  
**4.0 GPA SCALE**

This course examines the major turning points in American history beginning with the events leading up to the changing nature of business and government, World War I, the Great Depression, World War II, the growth of the U.S. as a world power, the Cold War, the struggle to achieve class, ethnic and gender equality, as well as extending to the modern day. Contemporary world issues such as globalization, economic interdependence, and terrorism will also factor into our analysis of international conflict and cooperation. Current events are integrated into the curriculum on a daily basis so that students may see modern connections between *then and now*. Current events are an important way to enhance your understanding of history and make you a more civic-minded and conscientious citizen.

**Grade level: 9**

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**HONORS U.S. HISTORY**  
**0211 1 CREDIT**  
**4.5 GPA SCALE**

Honors U.S. History is an academically demanding course of American History and economy. A high level of reading comprehension, independent study, and study skills is required to master areas of debate, analysis, problem solving, and essay development. Students will be required to read novels and make presentations, including one 10-minute peer teaching assignment, throughout this course. This course will be taught at a higher level than the traditional United States history course.

**Prerequisite:** 85% or higher in 8<sup>th</sup> grade social studies

**Grade level: 9**

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**AMERICAN GOVERNMENT**  
**0230 1 CREDIT**  
**4.0 GPA SCALE**

A course of American government and economy. This course contains units on national, state and local governments, our political system, and our free enterprise economic system. Students attain knowledge, skills and attitudes, which will enable them to be active, responsible citizens.

As part of Act 35, all students in American Government will complete the district designed end of course Civics Exam. Completion of this exam is a graduation requirement.

**Grade level: 10**

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**HONORS AMERICAN GOVERNMENT**  
**0231 1 CREDIT**  
**4.5 GPA SCALE**

An academically demanding course of American government and economy. This course contains units on national, state and local governments, our political system, and our free enterprise economic system. A high level of reading comprehension, independent study and study skills is required to master areas of debate, analysis, problem solving and essay development.

As part of Act 35, all students in Honors American Government will complete the district designed end of course Civics Exam. Completion of this exam is a graduation requirement.

**Grade level: 10**

# SOCIAL STUDIES

## AP U.S. GOVERNMENT AND POLITICS

0232 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA

POLS 1020: AMERICAN NATIONAL  
GOVERNMENT (3 CR)

Advanced Placement United States Government and Politics is an intensive study of the major institutions of our national government as well as the foundations and beliefs upon which that government is based. A thorough analysis of our political parties will serve as an integral part of that study. Prospective students will have the opportunity to evaluate the role of the mass media in our society as it relates to the day-to-day functioning of the government as well as the protections of our civil rights and liberties guaranteed by the constitution. Students will take the AP exam which could allow them to receive college credit. No summer work is required for this course.

As part of Act 35, all students in AP U.S. Government and Politics will complete the district designed end of course Civics Exam. Completion of this exam is a graduation requirement.

***Prerequisite:** 85% or higher in all previous social studies courses*

***Grade level:** 10, 11, 12*

## WORLD CULTURES

0236 1 CREDIT

4.0 GPA SCALE

World Cultures will center on the following essential question: How does cultural identity shape us as humans? Through the course of the year, students will work to gain an understanding of the ways in which culture impacts society as a whole. Students will focus on different elements of culture in general and apply that understanding to specific world events and regions. Students will understand that cultural backgrounds greatly influence decisions and priorities.

***Grade level:** 11*

## AP WORLD HISTORY

0238 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA

HIST 1700: WESTERN CIVILIZATION (3 CR)

The AP World History course focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. This course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past.

This course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

***Prerequisite:** Teacher recommendation*

***Grade level:** 11*

# SOCIAL STUDIES

## AP U.S. HISTORY

0239 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA

HIST 1200: US HISTORY II (3 CR)

This online course develops critical thinking skills by encouraging multiple views as students realized that there are often multiple accounts of a single historical event that may not be entirely consistent. Electronic discussion groups encourage collaboration, and a variety of practice activities are provided, from multiple choice actions to advanced interactions. Units include: The Historical Process; Early America; Revolutionary America; The Civil War; Populism and Progressivism; the emergence of the U.S. as a world power; and contemporary themes.

To prepare for the AP Exam, students will frequently engage in writing assignments to develop their writing skills. Writing activities consists of Document Based Questions (DBQ) or Long-Essay questions that align to the College Board standards.

*Prerequisite: 85% or higher in all previous social studies courses*

*Grade level: 10, 11, 12*

## AP PSYCHOLOGY

0240 1 CREDIT

5.0 GPA SCALE

3 RMU CREDITS POSSIBLE THROUGH ECIHSA

PYSC 1010: GENERAL PSYCHOLOGY (3 CR)

The Advanced Placement Psychology program offers a course and an exam in psychology to qualified students who wish to complete studies in secondary school. This course is designed to be equivalent to an introductory college course in psychology. Advanced reading and critical thinking skills are required. Students are introduced to the behavior and mental processes of human beings and other animals. Students are also exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Requirements for the class include, but are not limited to, the following: research projects, presentations, essays, and analysis projects. Assessments are mirrored after the AP Exam which include essay and multiple choice questioning for formal assessments. A strong emphasis on non-fiction text is part of this course. Students will take the AP exam which could allow them the opportunity to receive college credit. A summer course is offered as a way to get ahead for the upcoming school year.

*Prerequisite: Teacher recommendation*

*Grade level: 11, 12*

**NOTE:** This course has a summer reading and writing requirement. Students should collect the materials before they leave school for the summer.

## CRIMINAL JUSTICE & INVESTIGATIONS

0243 1 CREDIT

5.0 GPA SCALE

6 RMU CREDITS POSSIBLE THROUGH ECIHSA

CRMJ 1010: INTRO TO CRIMINAL JUSTICE (3 CR)

POLS 2020: CRIMINAL LAW AND EVIDENCE (3CR)

This course will study crime and its societal reaction, as well as the various components of the criminal justice system as a whole. Furthermore, students will be exposed to the fundamentals of criminal investigation, including techniques utilized, and problem solving in the field. Students will analyze the major theories behind criminal causation, control and rehabilitation of the offender, and criminal investigation as a whole. Specific topics covered will include: case preparation, questioning of witnesses and suspects, and the collection and preservation of evidence.

*Grade level: 10, 11, 12*

# SOCIAL STUDIES

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## HONORS PSYCHOLOGY AND SOCIOLOGY

**0244 1 CREDIT**

**4.5 GPA SCALE**

The psychology portion of this course focuses on individual behavior. Topics will include dreams, multiple intelligences, body language, personality type, psychological tests, and mental health disorders. Students will complete research and give presentations on psychological issues. Higher level discussions will be highlighted in debates and Socratic Seminars.

The Sociology portion of this course deals with the social atmosphere that helps to make us who we are and contributes to how we behave. Sociology will cover topics such as culture and religion, violence, deviance, social control, socialization and personality, group behavior, social class, and social institutions. The focus will be on society and how it influences our behavior. Students will complete research and give presentations on Serial Killers and Religion. Higher level discussions will take place during debates and Socratic Seminars.

***Grade level: 11, 12***

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## HONORS AFRICAN AMERICAN & MULTICULTURAL STUDIES

**0245 1 CREDIT**

**4.5 GPA SCALE**

The African American and Multicultural Studies course is designed to explore the interconnectedness of cultures from across the world. Through learning about the contributions of African Americans to the development of the United States and through the exploration of the concepts of cultural identity, diversity, and equity, students will develop critical thinking and leadership skills to help them not only navigate but lead in a multiculturally diverse society. This course will explore the history of various racial groups in the United States through multiple perspectives. This course will focus on the themes of social justice, social responsibility, and social change. African American and Multicultural Studies is a course that will enhance students' knowledge and skills needed to live in a multicultural world.

***Grade level: 11, 12***

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## CORRECTIONS & SOCIAL ISSUES

**0246 1 CREDIT**

**5.0 GPA SCALE**

**6 RMU CREDITS POSSIBLE THROUGH ECIHSA**

CRMJ 2010: CORRECTIONS (3CR)

SOCI 1020: CONTEMPORARY AMERICAN SOCIAL PROBLEMS (3 CR)

This course provides an overview of the contemporary correctional system including jails, prisons, probation, and parole. We will examine the way by which the system of punishment in the United States impacts not only convicted criminals, but those awaiting trial and their families. Students enrolled in this course will work to gain an understanding of the issues that plague our justice system today and contribute to problems within our correctional system and beyond.

***Grade level: 10, 11, 12***

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## HONORS HOLOCAUST AND GENOCIDE STUDIES

**0247 1 CREDIT**

**4.5 GPA SCALE**

The Holocaust and Genocide Studies course examines the systematic, bureaucratic, state-sponsored persecution and murder of six million Jews and five million non-Jews by the Nazi regime and its collaborators between 1933 and 1945. Students will focus on the political, social, and economic circumstances that contributed to this genocide as they evaluate the roles of perpetrators, collaborators, bystanders, victims, and others during this particular genocide. In addition to the European Holocaust, this course will examine the larger concept of genocide as it relates to other world events. This course of study will be further enhanced through various literary resources, group discussions, writing assignments and projects.

***Grade level: 11, 12***

# SOCIAL STUDIES

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## **CURRENT AFFAIRS**

**0249 .50 CREDIT**

**4.0 GPA SCALE**

Using current events, this course focuses on world and local issues that affect students' everyday lives, such as economics, government, and global events. This course uses a variety of media sources including newspapers, online media, magazines, and newscasts to support class discussion. Additionally, students participate in group projects, presentations, and work with primary source materials and opinion pieces in order to better understand the world around them. This semester course will allow students to experience and learn from events happening in the world in a well-rounded way.

***Grade level: 11, 12***

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## **SOCIOLOGY OF SPORTS**

**0250 .50 CREDIT**

**4.0 GPA SCALE**

An examination of sport as a significant aspect of modern culture and a major institution of modern society. Among the topics that will be analyzed include gender and sports, sports as an economic enterprise, sports in high school and college, and the issues of social class and race in sports.

This course explores the ways in which sports are entangled in social, cultural, political, and economic forces operating at many different levels, from the social levels to the global level.

On one hand this course deals with the multiple ways in which individuals are involved in sports organizations and activities, including our participation in sport for purposes of recreation and leisure, personal fulfillment, participation as spectators of sports, and consumers of sports as entertainment commodities. On the other hand, this course deals with the organization of sports and sports organizations as particular representations of social organizations in general that can be analyzed in terms of goals, norms, and social roles. This course will also deal with the political economy of big-time sports, including major university and professional sports.

***Grade level: 11, 12***

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## **INTRODUCTION TO ARCHAEOLOGY**

**(S - WAVA ONLY)**

**V251 .50 CREDIT**

**4.0 GPA SCALE**

The field of archaeology helps us to better understand the events and societies of the past that have contributed to our modern world. This course will focus on techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

***Grade level: 11, 12***

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## **INTRODUCTION TO WORLD RELIGIONS (S - WAVA ONLY)**

**V252 .50 CREDIT**

**4.0 GPA SCALE**

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

***Grade level: 11, 12***

# SOCIAL STUDIES

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## **WOMEN'S STUDIES**

**(S - WAVA ONLY)**

**V253 .50 CREDIT**

**4.0 GPA SCALE**

Women's Studies is a semester course that introduces students to women's studies, gender studies, and gender roles. The course traces the history of feminism, analyzes feminist theories, and examines intersectionality. Students will learn about social and political movements for the rights of women and other vulnerable groups. Students will also learn about social and family structures and socialization, which include identifying prejudices, biases, and stereotypes that exist in society and how the media perpetuates some stereotypes about gender roles and identities. Students will learn about international activism for gender equality, legal rights, and the challenges in achieving equality for all citizens from every section of society.

***Grade level: 11, 12***

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## **INTRODUCTION TO MILITARY CAREERS (S - WAVA ONLY)**

**V254 .50 CREDIT**

**4.0 GPA SCALE**

Introduction to Military Careers will provide the answers. The military is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, students will learn not only about the four branches of the military (and the Coast Guard) but also about the types of jobs they might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue one's dreams.

***Grade level: 11, 12***

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## **ETHNIC STUDIES (S - WAVA ONLY)**

**V255 .50 CREDIT**

**4.0 GPA SCALE**

Ethnic Studies is a semester course that explores the history, culture, and experiences of different ethnic and racial groups. The course looks at the lives of Indigenous peoples, African Americans, Latin Americans, Asian Americans and Pacific Islanders in the United States. By studying the experiences of people in these groups, students will develop a deeper understanding of their contributions, struggles, and achievements.

***Grade level: 11, 12***



# U.S. MARINE CORPS

## JUNIOR RESERVE OFFICER TRAINING CORPS

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**U.S. MARINE CORPS  
JUNIOR ROTC 1  
0261 1 CREDIT  
4.0 GPA SCALE**

The purpose of MCJROTC is to develop informed and responsible citizens, develop basic leadership skills, strengthen character, help form habits of self-discipline, basic Marine Corps and U.S. History, basic drill movements, marksmanship, Marine Corps Uniform regulations, first aid, basic physical fitness, substance abuse prevention, and organizational skills. The objective of the MCJROTC program is to build self-confidence and to promote graduation from high school. Be involved in the community with a requirement of 20 hours of service per school year for the MCJROTC program.

***Grade level: 9, 10, 11, 12***

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**U.S. MARINE CORPS  
JUNIOR ROTC 2  
0262 1 CREDIT  
4.0 GPA SCALE**

The purpose of the MCJROTC 2 is to develop leadership and build character, create informed and responsible citizens, and develop responsible young adults who are physically, mentally, and morally fit. Emphasis is placed on reviewing the tenets of MCJROTC-I while expanding the concentration on individual leadership and organizational skills. Cadets will progress with regards to drill movements and ceremony and be capable of leading a squad size unit. An emphasis will be on cadet promotions within the cadet rank structure through competitive testing based on practical and academic based evaluations and each Cadet's character as a whole. Be involved in the community with a requirement of 20 hours of service per school year for the MCJROTC program.

***Prerequisite: 85% or higher in MCJROTC 1 or written permission from the MCJROTC staff***

***Grade level: 10, 11, 12***

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**U.S. MARINE CORPS  
JUNIOR ROTC 3  
0263 1 CREDIT  
4.0 GPA SCALE**

The purpose of MCJROTC 3 is to develop leadership and build character, create informed and responsible citizens, and develop responsible young adults who are physically, mentally, and morally fit. Emphasis is placed on reviewing the tenants of MCJROTC 1 & 2 while expanding the concentration on unit leadership techniques, and preparation for higher education, civilian careers, and public service. Cadets will compete for leadership positions and be eligible for promotion to the Staff Noncommissioned officer grade. Outstanding cadets completing MCJROTC III will be considered for promotion to the officer ranks and be selected for senior leadership billets for the following school year. Be involved in the community with a requirement of 20 hours of service per school year for the MCJROTC program.

***Prerequisite: 85% or higher in MCJROTC 2 or written permission from the MCJROTC staff***

***Grade level: 11, 12***

# U.S. MARINE CORPS

## JUNIOR RESERVE OFFICER TRAINING CORPS

**U.S. MARINE CORPS**  
**JUNIOR ROTC 4**  
**0264 1 CREDIT**  
**4.0 GPA SCALE**

The purpose of MCJROTC 4 is to reinforce lessons learned from previous leadership levels while instructing cadets on advanced leadership techniques at the non-commissioned officer level, professional communications, military theory, techniques of military instruction, and historical self-study. A strong emphasis is placed on practical application, leadership of junior cadets, and demonstrated mastery of all MCJROTC course requirements. Be involved in the community with a requirement of 20 hours of service per school year for the MCJROTC program.

***Prerequisite:*** 85% or higher in MCJROTC 3 or written permission from the MCJROTC staff

***Grade level:*** 12

❖ This course may count toward a student's fourth social studies credit.

# VISUAL ARTS

## ART 1

**0740 1 CREDIT**

**4.0 GPA SCALE**

Art 1 is designed as an introductory to senior high art. Students will be guided toward developing a visual awareness of his or her environment through drawing and design. A variety of media will be used to acquaint students with fundamental techniques, which will focus on foundational skill building and encourage individual expression. Students will be required to show at least 2 pieces at the annual art show.

**Grade level: 9, 10, 11, 12**

## ART 2

**0741 1 CREDIT**

**4.0 GPA SCALE**

On a more advanced level, students will continue to develop a mastery of skills and techniques through a variety of materials. Emphasis will be placed on understanding and application of compositional elements and principles of design, building confidence in individual creativity, and exploration of artists and art history. Students will be required to show at least 3 pieces at the annual art show.

**Prerequisite:** 70% or higher in Art 1

**Grade level: 10, 11, 12**

## ART 3

**0742 1 CREDIT**

**4.0 GPA SCALE**

In this course, emphasis will be placed on effective selection and use of compositional design elements. Besides art production, assignments will reference art history, art criticism, and aesthetics. Focus will be on development of the student's individual style, and a proficiency of both 2-D and 3-D media and techniques. Four pieces of work are required for display in the annual art show.

**Prerequisites:** 70% or higher in Art 1 AND Art 2

**Grade level: 11, 12**

## HONORS ART 4

**0743 1 CREDIT**

**4.5 GPA SCALE**

Honors Art 4 is designed for the advanced art student who wishes to pursue their continued development as an artist. Emphasis will be placed on more complex creative problem solving, individual projects, and open-ended prompts. A minimum of six new, thematic pieces of art are required for exhibit within their installations at the annual art show.

**3 SHU CREDITS POSSIBLE THROUGH  
ECIHS**

SAR 120: 2D DESIGN (3 CR)

**Prerequisite:** 85% or higher in Art 3

**Grade level: 12**

## AP DRAWING

**0744 1 CREDIT**

**5.0 GPA SCALE**

AP Drawing will enable the student to show an understanding of the language of art through the execution of an advanced two-dimensional drawing class. The students will have summer assignments which will include trips to museums, artist research, found object drawings, still life construction, drawing, journaling, and maintenance of their sketchbook. In the classroom, the student will show a high level of knowledge of drawing materials such as, but not limited to, pencil, chalk pastel, oil paint, watercolor, pen and ink, etc. During the student's time in the classroom, the ultimate goal will be to meet the requirements for the AP Portfolio submission. The AP Portfolio submission takes the place of the written AP Exam at the end of the school year. The Portfolio will consist of 20 pieces made up of 15 digital submissions along with 5 physical works.

**3 SHU CREDITS POSSIBLE THROUGH  
ECIHS**

SAR 115: DRAWING (3 CR)

**Prerequisites:** 85% or higher in Art 1, Art 2 AND Art 3, enrollment in Art 4,  
teacher recommendation

**Grade level: 12**

# VISUAL ARTS

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## **CERAMICS 1**

**0745 1 CREDIT**

**4.0 GPA SCALE**

In this course, students will explore both introductory hand building and wheel throwing techniques using ceramic clay. Students will have the opportunity to create both functional and sculptural projects, which will begin with conceptualizing unique and creative ideas, building and constructing in 3 dimensional forms, learning about the ceramics firing process, clay recycling process, and finishing works using glaze and underglaze application. Students will be required to show at least 3 pieces at the annual art show.

***Grade level: 10, 11, 12***

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## **ADVANCED CERAMICS 2**

**0746 1 CREDIT**

**5.0 GPA SCALE**

**3 SHU CREDITS POSSIBLE THROUGH**

**ECIHS**

**SAR 225: CLAY (3 CR)**

In Advanced Ceramics 2, students will explore more complex ceramic clay projects that include advanced hand building and wheel throwing skills. They will refine their techniques to create more involved sculptural designs and duplicating vessels to create wheel thrown sets. Students will be more involved in the clay recycling and firing process. Students will be required to show at least 4 pieces at the annual art show.

***Prerequisites: 85% or higher in Ceramics 1***

***Grade level: 11, 12***

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## **GRAPHIC DESIGN AND**

**ILLUSTRATION 1**

**(S - WAVA ONLY)**

**V703 .5 CREDIT**

**4.0 GPA SCALE**

This course covers careers students may want to pursue in graphic design. It also covers training and skills required for a graphic designer. In addition, this course describes how to create images using color and typography and how to manipulate images. It also guides students how to create images using design elements and principles. Finally, this course covers copyright laws and ethics related to the use of graphic design.

***Grade level: 9, 10, 11, 12***

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## **GRAPHIC DESIGN AND**

**ILLUSTRATION 2**

**(S - WAVA ONLY)**

**V704 .5 CREDIT**

**4.0 GPA SCALE**

Graphic Design and Illustration 2 picks up where Graphic Design and Illustration 1 left off. The course will cover the advanced manipulation of images. It will guide students on how to create graphic products such as logos, posters, and magazine covers. This course also covers multimedia and digital photography. In addition, the course covers art criticism in graphic artwork, digital publishing, and the creation of graphic design portfolio.

***Prerequisites: Successful completion of Graphic Design and Illustration I***

***Grade level: 9, 10, 11, 12***

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## **ART APPRECIATION**

**(S - WAVA ONLY)**

**V745 .5 CREDIT**

**4.0 GPA SCALE**

Who is the greatest artist of all time? Is it Leonardo DaVinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? Students will learn about some of the greatest artists while also creating art of their own, including digital art. This course will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

***Grade level: 9, 10, 11, 12***

# WORLD LANGUAGES

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## SPANISH 1

0500 1 CREDIT

4.0 GPA SCALE

Spanish 1 introduces students to the Spanish language and culture. Students will be actively involved in learning to express themselves in meaningful conversation. They will develop communication skills through speaking, listening, reading, writing activities, and review games. Activities such as holiday celebrations, crafts, and a field trip will help the students experience and enjoy the language and culture.

***Prerequisite:** Strongly recommended that students have an 70% or higher in English*

***Grade level:** 9, 10, 11, 12*

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## SPANISH 2

0501 1 CREDIT

4.0 GPA SCALE

Spanish 2 continues to develop insight into the Spanish language and culture. Students will work on improving communication skills. Emphasis will continue to be placed on improving speaking, reading, writing and listening skills. Activities such as holiday celebrations, crafts, and a field trip will help the students experience and enjoy the language and culture.

***Prerequisite:** 70% or higher in Spanish 1 and strongly recommended that students have an 70% or higher in English*

***Grade level:** 9, 10, 11, 12*

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## SPANISH 3

0502 1 CREDIT

5.0 GPA SCALE

Spanish 3 continues to develop Spanish communication skills. Students will work on their speaking, listening, reading, and writing skills. Students will also have the opportunity to participate in celebrations, crafts, and a field trip related to the Spanish language and culture.

3 SHU CREDITS POSSIBLE THROUGH ECIHSA

SSP 105: ELEMENTARY SPANISH LANGUAGE & CULTURE II (3 CR)

***Prerequisite:** 70% or higher in Spanish 2 and strongly recommended that students have an 70% or higher in English*

***Grade level:** 10, 11, 12*

❖ This course may count toward a student's fourth social studies credit.

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## HONORS SPANISH 4

0503 1 CREDIT

5.0 GPA SCALE

Spanish 4 continues to develop the skills of speaking, listening, reading, and writing in Spanish. Students are encouraged to use more advanced structures in their communication. Students will deepen their knowledge of the Spanish language and culture in preparation for the AP level. Additionally, students will have the opportunity to enjoy celebrations, crafts, and a field trip.

3 SHU CREDITS POSSIBLE THROUGH ECIHSA

SSP 205: INTERMEDIATE SPANISH LANGUAGE & CULTURE (3 CR)

***Prerequisite:** 85% or higher in Spanish 3 and strongly recommended that students have an 85% or higher in English*

***Grade level:** 11, 12*

❖ This course may count toward a student's fourth social studies credit.

# WORLD LANGUAGES

## AP SPANISH LANGUAGE & CULTURE

0504 1 CREDIT

5.0 GPA SCALE

3 SHU CREDITS POSSIBLE THROUGH ECIHSA

SSP 250: TOPICS IN SPANISH USAGE (3 CR)

Students will be expected to demonstrate a higher degree of Spanish proficiency in speaking, listening, reading and writing. To promote these language skills, there will be extensive reading and writing assignments from a variety of authentic texts. Students will engage in advanced conversation and complex listening activities on a variety of themes. The purpose of this course is to help students prepare for the AP Spanish Language & Culture exam. As this is an AP course, there will be a vigorous workload both inside and outside of class.

**Prerequisite:** 85% or higher in Spanish 4 or teacher recommendation

**Grade level:** 12

❖ This course may count toward a student's fourth social studies credit.

**NOTE:** This course has a summer reading and writing requirement. Students should collect the materials before they leave school for the summer.

## GERMAN 1

0520 1 CREDIT

4.0 GPA SCALE

German 1 will introduce the basic listening, speaking, reading, and writing skills as well as many aspects of the German culture. Students will participate in a variety of both traditional and non-traditional activities including partner work, role-playing, and singing. At the end of the course, students will have conversational skills focused on directions, cuisine, and shopping. Culture activities include Oktoberfest and a field trip.

**Prerequisite:** Strongly recommended that students have an 70% or higher in English

**Grade level:** 9, 10, 11, 12

## GERMAN 2

0521 1 CREDIT

4.0 GPA SCALE

Students in German 2 will continue to focus on all aspects of language. Emphasis will be on more advanced writing and speaking skills. We will continue to improve conversation and listening skills through partner work and other classroom activities. There is a lot more student participation through varied activities including skits, presentations, and learning games. Students will continue to participate in cultural activities such as Oktoberfest and a field trip.

**Prerequisite:** 70% or higher in German 1 and strongly recommended that students have an 70% or higher in English

**Grade level:** 9, 10, 11, 12

## GERMAN 3

0522 1 CREDIT

5.0 GPA SCALE

3 SHU CREDITS POSSIBLE THROUGH ECIHSA

SGE 105: ELEMENTARY GERMAN LANGUAGE & CULTURE II (3 CR)

German 3 further develops language skills toward becoming a lifetime language learner. Students will be able to communicate orally and in writing on a variety of topics, including foods, vacations, and health. Skits, role-plays, projects, and reports encourage participation.

**Prerequisite:** 70% or higher in German 2 and strongly recommended that students have an 70% or higher in English

**Grade level:** 10, 11, 12

❖ This course may count toward a student's fourth social studies credit.

# WORLD LANGUAGES

## HONORS GERMAN 4

0523 1 CREDIT

5.0 GPA SCALE

3 SHU CREDITS POSSIBLE THROUGH ECIHSA  
SGE 205: INTERMEDIATE GERMAN LANGUAGE &  
CULTURE I (3 CR)

German 4 is a comprehensive in-depth language and culture course. Students are required to combine skills and concepts learned in all previous levels. Class time will be spent on increasing listening and speaking proficiency work with more time outside of class on writing and reading skills. Students will explore contemporary German culture in-depth, as well as the historical role of Germany during WWII and the Holocaust.

**Prerequisite:** 85% or higher in German 3 and strongly recommended that students have an 85% or higher in English

**Grade level:** 11, 12

❖ This course may count toward a student's fourth social studies credit.

## AP GERMAN LANGUAGE & CULTURE

0524 1 CREDIT

5.0 GPA SCALE

3 SHU CREDITS POSSIBLE THROUGH ECIHSA  
SGE 210: INTERMEDIATE GERMAN LANGUAGE &  
CULTURE II (3 CR)

In this AP course, students will continue the development of oral and written skills. In a thematic approach to language learning, students will become more proficient in the three modes of communication: interpersonal (both formal and informal), interpretive, and presentational. Students will learn to read publications, contemporary fiction, and non-technical writings (without the use of a dictionary/online aids) and will explore cultural trends and issues. Students participate in Oktoberfest all day by keeping things organized and leading the younger students in songs and dances. Students practice their language skills both in the context of preparation for the AP exam and in real life situations. Students in the AP level course must demonstrate higher levels of proficiency in all areas of skills development.

**Prerequisite:** 85% or higher in German 4 or teacher recommendation

**Grade level:** 12

❖ This course may count toward a student's fourth social studies credit.

**NOTE:** This course has a summer reading and writing requirement. Students should collect the materials before they leave school for the summer.

## AMERICAN SIGN LANGUAGE 1

0525 .50 CREDIT (S1 ONLY)

4.0 GPA SCALE

This, literally, hands-on class is an introduction to American Sign Language. In this class, students will learn approximately 1,500 signs and how to use them in basic conversation. Students will learn how to fingerspell clearly as well as learn how to read fingerspelling; with the focus being on accuracy as opposed to speed. There will be a strong emphasis on the use of non-manual markers as ASL is a very expressive (bodily and facially) language. One of the most important aspects of learning ASL is also learning about Deaf Culture. Students will delve into the history of Deaf Culture and Sign Language. Students will obtain a basic knowledge of ASL grammar and how to formulate a sentence using the grammatical structure. Students will begin conversing in Sign Language at the basic level using Pidgin (a combination of ASL and English).

**Prerequisite:** Strongly recommended that students have an 70% or higher in English

**Grade level:** 9, 10, 11, 12



# WORLD LANGUAGES

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## AMERICAN SIGN LANGUAGE 2

0526 .50 CREDIT (S2 ONLY)

4.0 GPA SCALE

Students will build on their previous knowledge from ASL 1. Students will be expected to use Sign Language as a means of conversing with other students and the instructor in class. Students will review signs learned in ASL I but through conversation. More emphasis will be placed on the grammatical structure of ASL and signing more clearly and fluently. There will be opportunities for students to use their skills to interpret in various settings. Students will continue fingerspelling and reading fingerspelling with more speed and accuracy. Students will explore Deaf Culture on a deeper level.

***Prerequisite:** 70% or higher in American Sign Language 1 and strongly recommended that students have an 70% or higher in English*

**Grade level: 9, 10, 11, 12**

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## FRENCH 1 (WAVA ONLY)

V510 1 CREDIT

4.0 GPA SCALE

French 1 is intended for students with little or no experience with the French language. The course emphasizes communicative proficiency, with special attention to the development of oral and listening skills, self-expression, and cultural insights. Activities are varied and interactive and are focused on acquiring all four language competencies (listening, speaking, reading, and writing) simultaneously - in the context of a cultural narrative. Each lesson begins with a rapid flow of authentic French presented in realistic, everyday circumstances, supported by video presentations and a comprehensive workbook.

***Prerequisite:** Strongly recommended that students have an 70% or higher in English*

**Grade level: 9, 10, 11, 12**

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## FRENCH 2 (WAVA ONLY)

V511 1 CREDIT

4.0 GPA SCALE

Students enrolled in French 2 continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar.

***Prerequisite:** 70% or higher in French 1 and strongly recommended that students have an 70% or higher in English*

**Grade level: 9, 10, 11, 12**

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## FRENCH 3 (WAVA ONLY)

V512 1 CREDIT

4.0 GPA SCALE

French 3 engages students in more advanced language communication. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. This course is conducted almost entirely in French.

***Prerequisite:** 70% or higher in French 2 and strongly recommended that students have an 70% or higher in English*

**Grade level: 10, 11, 12**

❖ This course may count toward a student's fourth social studies credit.

# WORLD LANGUAGES

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## MANDARIN CHINESE 1

(WAVA ONLY)

V530 1 CREDIT

4.0 GPA SCALE

Mandarin Chinese 1 will focus on four key areas of study: listening, speaking, reading and writing. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, and participate in simple conversations and responding appropriately to basic conversational prompts. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are learned.

***Prerequisite:** 85% or higher in English OR counselor approval*

***Grade level:** 9, 10, 11, 12*

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## MANDARIN CHINESE 2

(WAVA ONLY)

V531 1 CREDIT

4.0 GPA SCALE

Mandarin Chinese 2 continues to develop insight into the Chinese language and culture. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Character recognition and practice are a key focus of the course. Pinyin is still presented with characters throughout to aid in listening and reading comprehension.

***Prerequisite:** 70% or higher in Mandarin Chinese 1 and strongly recommended that students have an 85% or higher in English*

***Grade level:** 10, 11, 12*

# PARKWAY WEST CAREER & TECHNOLOGY CENTER

## **AUTOMOTIVE CLUSTER** **2500 4 CREDITS**

First-year students in the Automotive Cluster program will rotate through each of the four courses offered. The courses offered are *Auto Body Repair*; *Automotive Technology*; *Diesel Technology*; and *Power Motor Sports Technology*.

### **2501 – AUTO BODY REPAIR:**

The Auto Body Repair program is certified by the National Automotive Technology Education Foundation (NATEF) and provides instruction in the most current techniques for repair and replacement of damaged automobile parts. Students learn to repair collision damage and to replace quarter panels, door skins, and fenders. The curriculum also includes painting, MIG welding, collision repair, frame straightening, and damage analysis. Students gain experience in mixing and tinting paint, custom painting, computerized estimating, and auto detailing. Practical experience is also provided through a full-service auto-body repair shop. Students have the opportunity to earn **PPG Blue Level Paint** and **I-Car MIG Welding** certifications. They are also eligible to earn I-CAR Points.

### **2502 - AUTOMOTIVE TECHNOLOGY:**

The Automotive Technology Program is certified by the National Automotive Technology Education Foundation (NATEF) and affiliated with all the major automotive manufacturers through Automotive Youth Educational Systems (AYES). Students prepare to take the Pennsylvania State Inspection License examination. Students learn basic vehicle maintenance, repair, and replacement of drive trains, brake systems, chassis components, and fuel electrical systems. Special emphasis is placed on troubleshooting engine performance via the use of state-of-the-art electronic diagnostic equipment. Practical experience is also provided in the auto repair shop. Under the AYES apprenticeship program, students may qualify to become apprentices working under mentor master technicians. Students can earn certifications from AYES, the National Institute for Automotive Service Excellence (ASE) and the Coordinating Committee for Automotive Repair (CCAR).

### **2512 – DIESEL TECHNOLOGY:**

The Diesel Technology program is certified by the National Automotive Technician's Education Foundation (NATEF). In Diesel Technology, students will learn basic vehicle maintenance, repair and replacement of drivetrains, brake systems, chassis components, and fuel and electric systems. The program also focuses on shop basics such as safety, proper tool and equipment usage, and shop operating principles. The program also helps students prepare to take the **Pennsylvania State Inspection License** examination. Special emphasis is placed on troubleshooting and engine performance via the use of state-of-the-art electronic diagnostic equipment.

### **2507 – POWER MOTOR SPORTS TECHNOLOGY:**

Power Motorsports Technology teaches students to diagnose, maintain and repair utility vehicles, all-terrain vehicles, including side-by-sides, motorcycles, watercrafts as well as outdoor power machines, including lawn and garden equipment. Students will learn the principles of engine operation, understand basic electricity, service and maintain fuel and carburetor systems, transmissions, and powertrain systems used on various types of recreational and lawn and garden equipment. Students may have the opportunity to earn various certificates including the **PA Emissions Certification** and a **10-hour Occupational Safety and Health Administration (OSHA)** card.

# PARKWAY WEST CAREER & TECHNOLOGY CENTER

## CONSTRUCTION TECHNOLOGY CLUSTER 2503 4 CREDITS

First-year students in the Construction Technology program will rotate through each of the four courses offered. The courses offered are *Carpentry*; *Electrical Systems Technology*; *Heating, Ventilation, Air-Conditioning and Refrigeration*; and *Welding Technology*.

### 2504 - CARPENTRY:

A student in the Carpentry program will apply technical knowledge and skills to layout, fabricate, erect, install and repair structures and fixtures using hand and power tools, scaffolding, and specialty tools used in the construction trade. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques. Students will be given the opportunity to earn a **10-hour Occupational Safety and Health Administration (OSHA)** card.

### 2505 - ELECTRICAL SYSTEMS TECHNOLOGY:

The Electrical Systems Technology Program teaches students the integral components of the electrical industry for entry level employment in residential, commercial, and/or light industrial locations. The basis of instruction is in the layout, assembly, installation, wiring, maintenance, and troubleshooting of electrical systems. Understanding programmable logistical controls (PLC's) and how transformers operate are also covered. Students have the potential to earn multiple certifications through NCCER.

### 2506 - HEATING, VENTILATION, AIR- CONDITIONING AND REFRIGERATION (HVAC/R):

The Heating, Ventilation, Air-Conditioning and Refrigeration program, which has been newly renovated with state-of-the-industry equipment, provides instruction in basic and advanced electrical theory, troubleshooting, and repair of residential and commercial heating, air-conditioning, and refrigeration systems. Students will be given the opportunity to earn a **10-hour Occupational Safety and Health Administration (OSHA)** card.

### 2508 - WELDING & FABRICATION TECHNOLOGY:

The Welding program covers several types of welding processes by which metal may be bent, cut, or welded together, including oxy-fuel, shielded metal arc, gas metal arc, gas tungsten arc, flux core welding, carbon arc, plasma cutting, and oxy-fuel brazing. Students will learn the importance of industry safety, measuring instruments, hand tools, grinders, metallurgy, blueprint reading, electrical principles, layout/design, and fabrication. They will also learn how to prepare materials lists for cost estimates. Students have the opportunity to earn several **American Welding Society (AWS)** certifications and a **10-hour Occupational Safety and Health Administration (OSHA)** card.

# PARKWAY WEST CAREER & TECHNOLOGY CENTER

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## **COSMETOLOGY** **2509 4 CREDITS**

The Cosmetology program prepares students to perform technical services including all aspects of hair, skin/nail beautification, and personal maintenance. These skills are supported and reinforced with theoretical background including sanitation, chemistry, anatomy and physiology, as well as structure, function, and disorders of the hair, skin, nails, and scalp. The Cosmetology program helps students develop into well-rounded professionals who practice real-world services in Parkway's salon, which is open to the public two days a week. Utilizing an integrated approach to teaching and learning, students learn about interpersonal relations, professional attitude, and career fundamentals along with technical knowledge and skills. Techniques and abilities are practiced and tested on mannequins, classmates, and the general public. Students who are able to attend this program for three years will have the opportunity to earn 1,250 hours of the state-regulated course requirements to take the **state licensing exam to be a licensed cosmetologist**, which encompasses providing services to the public for hair, skin, and nails.

Students who are able to take one or two years of instruction in the Cosmetology program may choose from the following specialized license fields:

- **NAIL TECHNICIAN LICENSE:** This license requires 200 hours of instruction and can be completed within one year. An individual holding a nail technician license is qualified to perform nail technology services only.
- **COSMETOLOGY TEACHER LICENSE:** Prerequisite for this course is having successfully passed at least one of the above licensures. This license requires 500 hours of required studies and can be completed within one year. An individual holding a teacher's license is qualified to perform the functions of a teacher in whatever specialized area the individual has obtained licensure.

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## **CULINARY ARTS** **2510 4 CREDITS**

The Culinary Arts program provides practical instruction in the preparation of banquet, buffet, and a la carte styles of food preparation. Practical experience is provided through the operation and management of an in-house, full-service restaurant. Students also provide goods and services for Parkway's food store, where pastries and select meats are sold. Students learn to design cakes, sculpt ice, and prepare many different types of cuisine. First-year students spend one school year in Culinary Arts Level I. Second and third-year students will advance into Culinary Arts Levels II and III. Senior students who have completed at least two years of Culinary Arts will have the opportunity to earn both the **National Restaurant Association's ServSafe** certification and the **American Culinary Federation** certification.

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## **CYBER SECURITY & NETWORK TECHNOLOGY** **2514 4 CREDITS**

The Cyber Security & Network Technology program prepares students who are interested in networking and computer diagnostics. It begins with Cisco IT Essentials, PC hardware and software, and network operating systems. Students initially prepare for CompTIA A+ and CompTIA Server+ certifications and then, through the Cisco CCNA Discovery course, students learn networking concepts based on typical networks that one might encounter in a home or small office, or in larger, more complex enterprise models. Finally, students can prepare for the **Cisco CCENT** and **Cisco CCNA** certifications.

# PARKWAY WEST CAREER & TECHNOLOGY CENTER

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## GRAPHIC ARTS & PRODUCTION TECHNOLOGY

2513 4 CREDITS

The Graphic Arts & Production Technology program provides instruction in basic graphic design using computers and design software such as Adobe Illustrator, Acrobat, Photoshop, InDesign, and Dreamweaver. Students learn entry-level skills for desktop publishing, web design, digital photography, and graphic animation utilizing Flash. Several software applications are used to design, edit, and publish documents, images, and multimedia presentations in print and electronic form. From designing a poster to developing a website, students will have the opportunity to apply their creativity to projects that resemble those within industry. Students can earn the **Adobe Certified Associate in Visual Communication** and the **Adobe Certified Associate in Web Communication** certifications via Certiport.

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## HEALTHCARE OCCUPATIONS TECHNOLOGY

2511 4 CREDITS

Students in the Healthcare Occupations Technology program have the opportunity to participate in a wide-range of real-world clinical and job shadowing experiences at many different local healthcare providers. Clinical experiences may include: childcare, long-term care, emergency nursing, recovery room nursing, radiology, medical records, operating room observation, pharmacy, physical/occupational therapy, and/or lab technician. Students will have the opportunity to earn and complete the American Heart Association **"CPR for Health Care Providers"** certification and the following certifications in relation to the Health Care Industry:

- **Pennsylvania State Nurse Aid Registry (C.N.A.):** For first and second year students, instruction begins with anatomy, physiology, and medical terminology. Special attention is given to medical office examinations, treatment, and patient care.
- **Personal Care Home Direct Care Staff:** For first and second year students, this component offers a competency test from the PA Department of Public Welfare, and it prepares students to work in a personal care home as a direct care giver.
- **Pharmacy Technician Certification (CPHT):** After successful completion of this one-year, 12<sup>th</sup> grade course, students will assist the pharmacist in a variety of tasks. Module and lab work includes: controlled substances, laws and regulations, drug classifications, frequently prescribed medications, prescription information, preparing/dispensing prescriptions, calculations, sterile products, unit dose, and repackaging.
- **Phlebotomy Technician Certification (CPT):** This is a one semester certification course directed toward 12<sup>th</sup> grade students. Module and lab work includes: anatomy and physiology, infection control, safety and compliance, patient preparation, collection techniques, and processing of collected samples. Students must demonstrate a minimum of 30 successful venipunctures and 10 successful capillary punctures.

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## PUBLIC SAFETY TECHNOLOGY

2515 4 CREDITS

The Public Safety Technology program focuses on careers relating to emergency medical services, fire fighting, law enforcement, and emergency management services. In order to successfully complete the program, students must meet minimum proficiency levels in all public safety areas. Instruction is provided in disaster situations/management, hazardous materials handling, pre-hospital medical care, map reading, fire fighting, the judicial system, and emergency dispatching. Students have the opportunity to earn the following certifications: **Emergency Medical Technician-Basic (EMT-B)**, **Basic Vehicle Rescue (BVR)**, **Emergency Vehicle Operators Course (EVOC)**, **Hazardous Materials Recognition and Identification (Haz-Mat R&I)**, and multiple Federal Emergency Management Agency certifications.

# PARKWAY WEST CAREER & TECHNOLOGY CENTER

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## **SPORTS MEDICINE AND REHABILITATION THERAPY TECHNOLOGY (SMARTT) 2516 4 CREDITS**

The Sports Medicine & Rehabilitation Therapy Technology program prepares students to work in the field of physical therapy, occupational therapy, and sports medicine. Students will develop skills in prevention, diagnosis, differential diagnosis, assessment, prognosis, and the rehabilitation of injuries and other health conditions. Students will learn the principles of developing a plan of care including: evaluation, interventions (exercise, manual therapy, modalities, and neuro re-education), assessment, goal setting, and discharge. Students will also learn how to develop a proper diet for healthy individuals and tailor it for special populations through a comprehensive understanding of nutrition. Upon successful completion, students should be able to assist in the development and implementation of a plan of care for healthy and special populations.

Careers available directly out of the program could include: Personal Trainer, Coach, Physical Therapy Aid. This program also provides a solid educational base on which to build a post-secondary degree or advanced certification. Careers available with additional post-secondary schooling include: Personal Trainer, Athletic Trainer, Physical Therapist, Physical Therapist Assistant, Occupational Therapist, Certified Occupational Therapist Assistant, Strength and Conditioning Coach, Medical and Exercise Physiology Researcher, Sports Psychologist, Dietician, and Exercise Physiologist.

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## **VETERINARY ASSISTANT TECHNOLOGY 2517 4 CREDITS**

In the Veterinary Assistant Technology program, students will learn to keep medical records, schedule, offer client education, practice laboratory procedures, assist with nursing duties, prepare for surgeries, and assist during a routine exam. Students will also gain a solid educational base on which to build a post-secondary degree. This program may lead to additional career pathways such as Animal Trainer, Animal Breeders, Non-Farm Animal Caretakers, Laboratory Animal Caretakers, Groomers, Animal Control Worker, Veterinary Technician, Veterinary Technologist, and Veterinarian. Students may earn the following certifications: **Purina Certified Weight Coach; Pet Tech First Aid and CPR.**

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## **APPLIED ACADEMIC COURSES**

In the event of a course conflict or need for specific credits at the home school only, West Allegheny may allow a student to take an applied academic course at PWCTC. Students should contact their counselor for more information.



# SPECIAL OPTIONS

## COLLEGE ADMISSION EXAM PREPARATION

The following College Admission Exam Preparation courses are offered through the West Allegheny Virtual Academy.

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### ACT PREPARATION

V670 ACT English .50 CREDIT

V671 ACT Mathematics .50 CREDIT

V672 ACT Reading .50 CREDIT

V673 ACT Science Reasoning .50 CREDIT

Each ACT Preparation course is a semester long, online course aligned to the topics that are assessed on the ACT (American College Testing) Subject Exams. Students should possess strong time management skills and self-motivation to be successful in this online course. **This course is graded Pass/Fail.**

*Grade level: 10, 11, 12*

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### SAT PREPARATION

V675 SAT Mathematics .50 CREDIT

V676 SAT Reading .50 CREDIT

Each SAT Preparation course is a semester long, online course designed for the college bound student who desires to increase his or her level of preparedness for the taking the SAT (Scholastic Assessment Test). Each course will focus on topics found on the corresponding SAT exam. Students should possess strong time management skills and self-motivation to be successful in this online course. **This course is graded Pass/Fail.**

*Grade level: 10, 11, 12*

## INDEPENDENT STUDY PROGRAM

The Independent Study Program is designed to meet the needs of junior and senior students who have exhausted the options in a particular curriculum area or desire to pursue course work not offered within the available course offerings. Independent Study courses may be considered when a student is on track to meet all requirements for graduation. Independent Study courses cannot replace a required or existing course offered.

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### INDEPENDENT STUDY

FULL YEAR 6 DAY 1 CREDIT

3 DAY .50 CREDIT

HALF YEAR 6 DAY .50 CREDIT

3 DAY .25 CREDIT

Students will receive credit toward elective requirements for independent study courses but will be evaluated on a Pass/Fail basis – **not** assigned a letter grade. Independent study courses are **not** calculated into a student's GPA.

*Grade level: 11, 12*

## ACCELERATE INTERNSHIP PROGRAM

An internship is a highly structured, sustained professional learning experience in which students work closely with an industry professional for a defined period of time at an established workplace to participate in and observe meaningful, practical work related to a student's field of study or career interest. Internships differ from Independent Studies by allowing students the opportunity to apply the learning they have received, gain experience in the workforce, and learn from practicing industry professionals.

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### INTERNSHIP

120 HOURS = 1 ELECTIVE CREDIT

West Allegheny School District offers several internships on-site and is continuing to develop new internships as interests and needs are identified. Students may submit a request for a specific internship or apply for existing internships when posted.

*Grade level: 11, 12*

# SPECIAL OPTIONS

## EARLY RELEASE/LATE ARRIVAL PROGRAM

### EARLY RELEASE/LATE ARRIVAL NO CREDIT

Senior students are eligible for early release or late start based on dual enrollment, employment, or for special circumstances. Only students who are on track for graduation may apply for an Early Release or Late Start. Junior and sophomore students wishing to participate in a dual enrollment program outside of ECIHSA may also be eligible for early release or late start. All early release requests require administrator approval and will not take effect until approved by the administration. The student is expected to follow their current schedule until notified by their school counselor.

**Approval of early release is not guaranteed.**

**Grade level: 12**

## DUAL ENROLLMENT PROGRAMS

Students may enroll in college courses outside of the concurrent/dual enrollment offerings available through West Allegheny Early College In High School Academy (ECIHSA) while simultaneously completing all West Allegheny credit requirements for graduation. This option will provide students with the opportunity to earn college credits as well as high school elective credit (one West Allegheny credit may be awarded per three-credit college course passed with a grade of “C” or better) if desired.

Students wishing to have West Allegheny credit awarded are responsible for informing their school counselor and providing an official copy of their final grade transcript for the college course. **Dual enrollment courses taken outside of West Allegheny affiliated enrollment programs may not replace West Allegheny core courses.** Students who pursue this option are responsible for their own transportation, fees, books, and tuition. Students must complete any forms required by the college.

Students may take courses at any college or university that offers a dual enrollment program. In the past, students have taken courses at such places as Community College of Allegheny County, Penn State – Beaver, and Robert Morris University.

Any student wishing to participate in dual enrollment must complete an application process, which includes approval by the student’s school counselor and the high school administration and may be asked to provide ongoing proof of course enrollment.

### DUAL ENROLLMENT 1 WA CREDIT for 3 COLLEGE CREDITS

Students may request to receive credit towards West Allegheny elective requirements for dual enrollment courses taken outside of West Allegheny affiliated programs in which they earned a “C” or better. The letter grade earned in the college course will appear on the West Allegheny transcript.

**Grade level: 10, 11, 12**

## Extracurricular Activities

After school clubs, activities, and athletics at West Allegheny High School are meant to help students build connections with other students and staff who share similar interests. Extracurricular activities allow students to gain leadership experience, build confidence, and begin shaping a resume. While many clubs and activities start meeting at the beginning of the year, most welcome new members at any time throughout the year so students are encouraged to explore and communicate with club leaders and advisors about how to join. Additional information for clubs and activities, including how to sign-up, is sent at the beginning of each school year and is posted during our annual Open House. Please visit our athletic website for more information regarding our club sports and athletic programs.

### Clubs and Activities

Art Club	GSA	Stage Crew
Book Club	Mini-Thon	Stand Together
Chess Club	Model United Nations/ Model African Union/ Model European Union	Students in Action (SIA)
Fall Musical Production	Ski and Snowboard Club	Varsity iLead
Future Educators	Speech and Debate	Workout and Exercise Club
Garden Club	Spring Musical Theater Production	

### Club Sports

Esports	Ice Hockey	Rugby
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### Athletics

Fall Sports	Winter Sports	Spring Sports
Cheerleading	Bocce (Unified)	Baseball
Cross Country	Bowling	Girls Flag Football
Football	Boys Basketball	Lacrosse
Golf	Girls Basketball	Softball
Boys Soccer	Cheerleading	Swimming
Girls Soccer	Gymnastics	Boys Tennis
Girls Tennis	Indoor Track	Track & Field
	Swimming and Diving	Girls Volleyball
	Wrestling	

# National Honor Society

Students in their junior and/or senior year meeting the following criteria may be considered eligible for acceptance into the West Allegheny High School Chapter of the National Honor Society. An eligibility review will be conducted sometime after the first grading period of each school year. Those students meeting the GPA criteria will be invited to apply for National Honor Society membership. Only students who meet all the initial eligibility criteria and successfully complete the application process will be considered for induction into the West Allegheny High School Chapter of the National Honor Society.

Once inducted, West Allegheny High School National Honor Society members are required to maintain the minimum required cumulative grade point average, maintain any required course levels, adhere to the Student Code of Conduct, and complete an additional 30 hours of service plus 5 hours specifically for National Honor Society events and fundraisers.

National Honor Society is based on four pillars: Scholarship, Service, Leadership, and Character. Both applying and inducted students must demonstrate each of these pillars to an exemplary degree.

NHS Pillar	Initial Eligibility Review	Students with a Cumulative 3.75 or Higher Grade Point Average at Time of Eligibility Review
Scholarship	9 <sup>th</sup> Grade	Minimum of <b>2</b> Honors or ECIHSA level courses
	10 <sup>th</sup> Grade	Minimum of <b>2</b> Honors, AP or ECIHSA, level courses
	11 <sup>th</sup> Grade	Minimum of <b>3</b> Honors, AP or ECIHSA level courses
	12 <sup>th</sup> Grade	Minimum of <b>3</b> Honors, AP or ECIHSA level courses
NHS Pillar	Application Review	All Students Applying
Service & Leadership	Application	<p>Student must have engaged in a minimum of <b>10 hours</b> of service during their high school years of which half must be of service to the community (<b><i>outside of the school setting</i></b>).</p> <p>Student must have participated in a minimum of <b>2 Activities</b> within two years of seeking membership (at least one activity must be school-related).</p> <p>Student must have taken on a minimum of <b>1 Leadership</b> role in a school or community related activity within two years of seeking membership.</p>
Scholarship	Academic Recommendation	Letter of recommendation completed by an Honors, AP, or ECIHSA teacher
Character	Personal Recommendations (2)	<p>Two (2) recommendations completed by non-relative community member, coach, employer, religious leader, or any other person who knows the student <b><i>outside of the school setting</i></b>. This may include one recommendation from a West Allegheny staff member only if associated with an extracurricular activity.</p>
	Discipline Review	Any violation of the Student Code of Conduct will be reviewed, and student must not have had any action resulting in in-school or out-of-school suspension.
	Attendance Review	<p>All student attendance records will be reviewed, including tardies and early releases. A student's goal should be a 95% or higher attendance rate.</p>

AP – Advanced Placement

ECIHSA – Early College in High School Academy

# NCAA College Freshmen Eligibility

College-bound student-athletes who want to compete in NCAA sports at a Division I or II school need to meet certain division-wide academic and amateurism requirements. Students who plan to attend a Division III school need to meet the eligibility requirements of the school they plan to attend. In general, for Division I and II initial eligibility, a student must take **16** specific core classes as well as meeting a specific GPA. It is the student's responsibility to review specific NCAA policies to be sure that the student is taking the correct classes and fulfilling additional requirements. More information can be found in Appendix C: NCAA College Requirements and Eligibility or by visiting the NCAA website at [www.ncaa.org/student-athletes](http://www.ncaa.org/student-athletes).

## NCAA Approved Core-Courses at West Allegheny

ENGLISH	MATH	NATURAL AND PHYSICAL SCIENCE
English 9 Honors English 9 English 10 Honors English 10 English 11 College Readiness English 11 AP English Language & Composition English 12 College Readiness English 12 AP English Literature & Composition Professional & Technical Communications* Oral Communication and Interpretation AP Research Class and Modern Literature Film Studies Creative Writing Journalism Gothic Literature (WAVA) Mythology & Folklore (WAVA)	Algebra 1 Geometry Advanced Geometry Algebra 2 Algebra 2 with Lab HEC Algebra 2 Trigonometry/Precalculus Honors Trigonometry/Precalculus Discrete Math Calculus AP Precalculus AP Calculus AB AP Calculus BC AP Statistics AP Computer Science A AP Computer Science Principles Programming in C# & C++ Intro to Data Analytics with Python Probability & Statistics* Honors Geometry	Biology with Lab Honors Biology with Lab AP Biology Conceptual Chemistry Honors Chemistry with Lab AP Chemistry Conceptual Physics Physics Forensic Science AP Physics 1 AP Physics 2 Honors Anatomy and Physiology Virtual Reality Digital Electronics Environmental Science Environmental Sustainability Green Energy (WAVA) Intro to Astronomy (WAVA) Marine Biology (WAVA)
SOCIAL SCIENCE	ADDITIONAL CORE COURSES	PARKWAY APPROVED COURSES
U.S. History Honors U.S. History American Government Honors American Government World Cultures AP U.S. History AP US Government and Politics AP World History AP Psychology AP Economics AP Seminar Honors Psychology/Sociology Honors Holocaust and Genocide Studies Current Affairs Criminal Justice & Investigations Sociology of Sports Women's Studies (WAVA) Intro to Religion (WAVA) Corrections & Social Issues Honors African Amer & Multicul Studies Law, Business, & Society Intro to Archaeology (WAVA) Ethnic Studies (WAVA)	American Sign Language I American Sign Language II German I German II German III Honors German IV AP German Language Spanish I Spanish II Spanish III Honors Spanish IV AP Spanish Language French I (WAVA) French II (WAVA) French III (WAVA) Mandarin Chinese I (WAVA) Mandarin Chinese II (WAVA)	US History II (PWCTC) Chemical Properties (PWCTC) Principles of Technology (PWCTC)

\*Courses that have been submitted to NCAA for review. If you have concerns about approval of a specific class, please check in with your school counselor or principal prior to the start of the upcoming school year.

## Recognition of Graduates

West Allegheny High School seniors will be recognized with the following distinctions for graduation:

- **Distinguished Honors and Summa Cum Laude:** Students who have achieved a 4.0 Grade Point Average (GPA) or higher and are in the top 10% of their class.
- **Summa Cum Laude:** Students who have achieved a 4.0 GPA or higher but are not in the top 10% of the class.
- **Magna Cum Laude:** Students who have achieved a 3.75 to 3.99 GPA.
- **Cum Laude:** Students who achieved a 3.50 to 3.74 GPA.

These distinctions are based on the student's final cumulative GPA for all four years of high school. A student's GPA is not rounded up when determining graduate recognition. For example, a 3.99 does not round up to a 4.00.

## Commencement Speaker

All students who are potential Distinguished Honors Graduates as of the middle of the 3<sup>rd</sup> marking period of the senior year will be eligible to submit a speech to present at the commencement ceremony. One commencement speaker and one alternate speaker will be chosen by an impartial committee from all speeches submitted. The speaker selected must maintain Distinguished Honors Graduate status once the final cumulative GPA is posted. If the selected speaker does not maintain Distinguished Honors Graduate status, the alternate speaker will deliver the commencement speech provided the student has maintained Distinguished Honors Graduate status. Only one student speech will be delivered at commencement unless determined otherwise by the committee.

# **Appendix A:**

Holland Codes

Naviance Family Connection



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# Holland Codes

It's all about  
YOU!

## Conventional

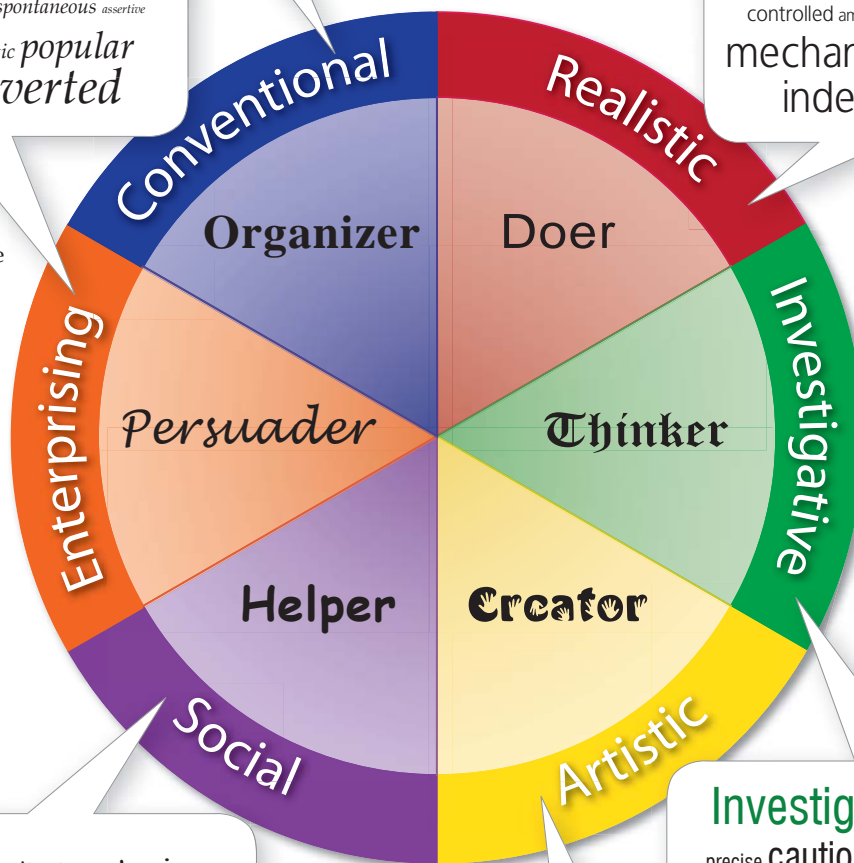
well-organized accurate  
numerically-inclined methodical efficient  
orderly thrifty structured ambitious persistent conscientious  
conforming practical systematic polite obedient

## Enterprising

self-confident sociable  
enthusiastic adventurous impulsive  
inquisitive talkative spontaneous assertive  
persuasive energetic popular  
ambitious optimistic extroverted

## Realistic

practical frank  
nature lover curious concrete self-  
controlled ambitious persistent athletic  
mechanical thrifty stable reserved  
independent systematic



John L. Holland was the person who developed the theory that people can be described by a combination of six personality types. The theory proposed that people seek out work environments that match their personality type. A better match means more job satisfaction, because the person finds the job interesting.

Take a look at the words describing each of the six personality types. How many of these words describe you?

You'll probably find words that describe you in each list. But usually there are two or three with lots of words that make you say, "That's ME!"

Take the quiz on the next page to identify your personality type, also known as your interest profile. Match your interest profile with the interest profiles of occupations in the Career Planning Table. Jobs that match your interests will be a better career choice for you.

## Social

friendly idealistic outgoing  
cooperative responsible kind persuasive  
patient helpful insightful understanding  
generous forgiving empathetic

## Investigative

scientific  
precise cautious self-confident reserved  
independent analytical observant scholarly  
curious introspective broad-minded logical

## Artistic

creative imaginative unconventional  
independent original impulsive courageous complicated  
nonconforming intuitive innovative emotional expressive  
introspective sensitive open idealistic

# What Your Interest?

A great way to explore careers is to take an assessment. Assessments are tools to help you discover important things about yourself. Assessments can be based on a variety of things, like your skills, interests or values. What's the best thing about assessments? There are no wrong answers!

Assessments help you think about the types of careers that fit you by providing a broad sense of your career options. If an assessment gives you results that seem really unlikely, don't panic! It got you thinking about what you'd like to do, didn't it?

This assessment is based on the Holland Code. Once completed, you will have an interest profile to match to different career areas. What follows are descriptions for each interest code. Read the descriptions for the codes in your interest profile.

## Realistic: Doers

People who have athletic or mechanical ability, prefer to work with objects, machines, tools, plants or animals, or to be outdoors. They like to work with their hands. They are often practical and good at solving problems.

## Investigative: Thinkers

People who like to observe, learn, investigate, analyze, evaluate or solve problems. They often like to work independently, tend to be good at math and science and enjoy analyzing data.

## Artistic: Creators

People whose abilities are artistic, innovative or intuitive. They like to work in unstructured situations where they can use their imagination and creativity. They enjoy performing (theater or music) and visual arts.

## Social: Helpers

People who like to work with people to enlighten, inform, help, train, or cure them, or are skilled with words. They enjoy training, instructing, counseling or curing others. They are often good public speakers with helpful, empathetic personalities.

## Enterprising: Persuaders

People who like to work with people, influencing, persuading, performing, or managing for organizational goals or economic gain. They like to lead and tend to be assertive and enthusiastic.

## Conventional: Organizers

People who pay attention to detail and like to work with data, have clerical ability, and follow through on others' instructions. They have good organizational and numerical abilities. Conventional people also like working in structured situations.

Now, take the quiz below, checking the statements that describe things you like to do. Count the checkmarks for each color, and write the total in the matching colored boxes at the bottom. The three highest scores are your Interest Profile.

Look for jobs with a matching interest profile in the Career Planning Table to get potential career choices. Use these careers to start career exploration.

Remember — an assessment isn't the final word! It's only one way to start thinking about careers. And this interest assessment is only one type available. Other assessments measure different aspects of your personality.

*This assessment is based on Dr. John Holland's theory that people and work environments can be loosely classified into six different groups. Different peoples' personalities may find different environments more to their liking. While you may have some interests in and similarities to several of the six groups, you may be attracted primarily to two or three of the areas. These two or three letters are your Holland Code.*

*For example, with a code of RES you would most resemble the **Realistic** type, somewhat but less resemble the **Enterprising** type, and somewhat but even less resemble the **Social** type. The types that are not in your code are the types you resemble least of all. Most people, and most jobs, are some combination of two or three of the Holland interest areas.*

Read each statement below and, if you agree with it, put a checkmark in the box to the right of it.

## Do you like to ...

... do puzzles?	
... work on cars?	
... attend concerts, theaters or art exhibits?	
... work in teams?	
... organize things like files, offices or activities?	
... set goals for yourself?	
... build things?	
... read fiction, poetry or plays?	
... have clear instructions to follow?	
... influence or persuade people?	
... do experiments?	
... teach or train people?	
... help people solve their problems?	
... take care of animals?	
... have your day structured?	
... sell things?	
... do creative writing?	
... work on science projects?	
... take on new responsibilities?	
... heal people?	
... figure out how things work?	

... put things together or assemble models?	
... be creative?	
... pay attention to details?	
... do filing or typing?	
... learn about other cultures?	
... analyze things like problems, situations or trends?	
... play instruments or sing?	
... dream about starting your own business?	
... cook?	
... act in plays?	
... think things through before making decisions?	
... work with numbers or charts?	
... discuss issues like politics or current events?	
... keep records of your work?	
... be a leader?	
... work outdoors?	
... work in an office?	
... work on math problems?	
... help people?	
... draw?	
... give speeches?	

Total up your checkmarks by color and record the number in the colored boxes . . . the three letters with the highest scores are your **Interest Profile**.

Realistic	Investigative	Artistic	Social	Enterprising	Conventional

Three highest scores = Your Interest Profile		

Based on the Holland Code by Dr. John L. Holland, Source: [www.mnccareers.org](http://www.mnccareers.org)

# Naviance by PowerSchool

## Drive Postsecondary Success for All Students

Naviance is the **leading college, career, and life readiness (CCLR) platform** that enables students to discover their strengths and interests, build critical social and emotional skills, create actionable goals, and find their best-fit postsecondary path.

### ★ Naviance helps students:



Find their best-fit college and/or career path

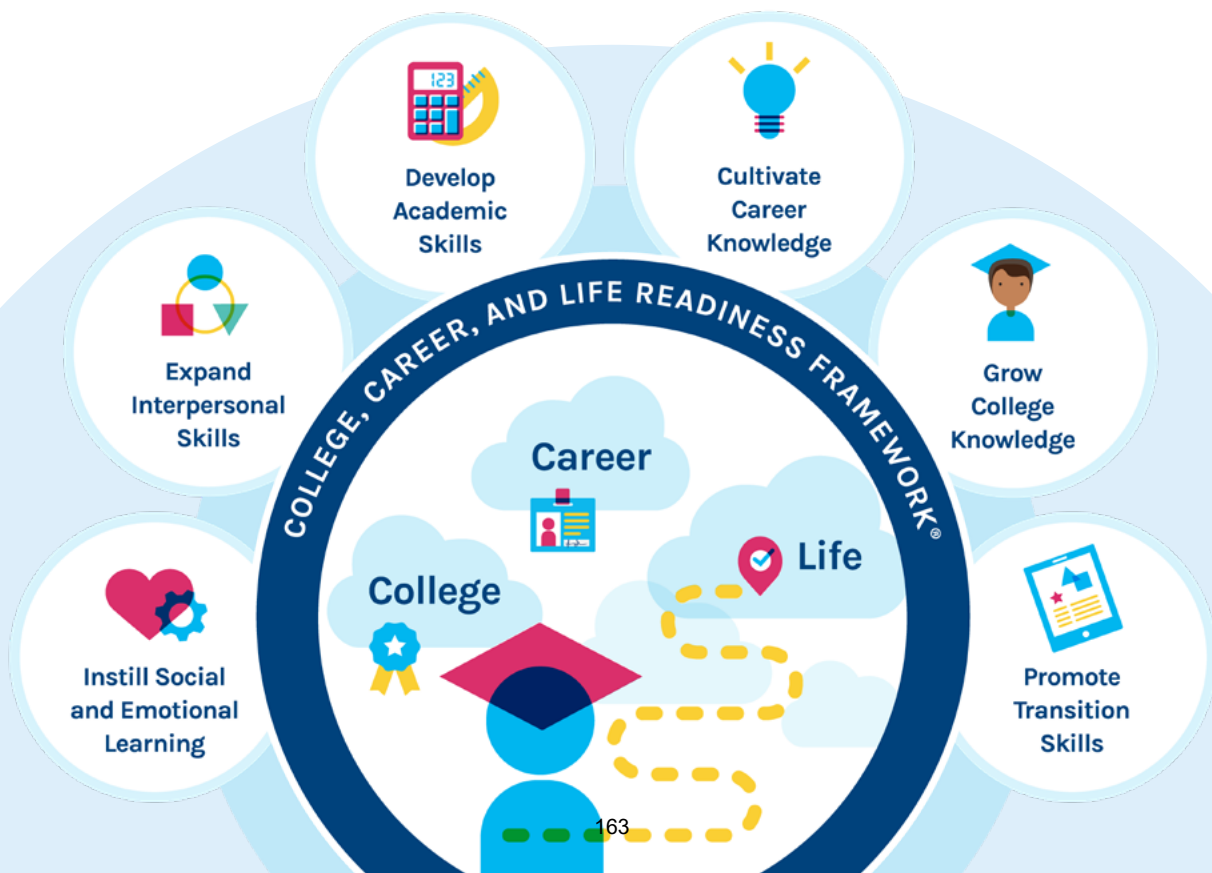


Create personalized action plans and checklists



Graduate with the skills and preparation to achieve their goals

The research-backed framework outlines **six competencies** that prepare students for college, career, and life.



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# **Appendix B:**

## Pathways to Graduation

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# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

### Keystone Proficiency Pathway

### Keystone Composite Pathway

CTE Concentrator  
Pathway

Alternative Assessment  
Pathway

Evidence-Based  
Pathway

Through Act 158 of 2018 and Act 6 of 2017, students graduating from a Pennsylvania public high school in 2023 or later will have the flexibility to meet statewide high school graduation requirements through one of five pathways that fully illustrate their college, career, and community readiness.

This guide is designed to assist during school counselor consultations, leading staff, and secondary students through the various pathways as they consider which best exemplifies each student's interests and goals. Prior to use, counselors should amend the guide to reflect only those options available to their students; for example, some schools do not offer an International Baccalaureate (IB) Diploma Programme. Counselors may also adapt the guide to include local policies, which are not limited to the statewide requirement and also govern graduation.

At the end of this guide is a sample student checklist to facilitate discussion and serve as a visual prompt for coursework selection or participation in opportunities such as internships or service learning projects as students pursue one or more pathways to graduation. For additional information on evidence requirements and other sample student forms, refer to the Act 158 Toolkit at <https://www.pdesas.org/Page/Viewer/ViewPage/56/>.

### Keystone Proficiency and Keystone Composite Pathways

**Keystone Proficiency** remains a pathway to high school graduation for the graduating class of 2023 and beyond. Commonwealth students will *not* be required to pass the Keystone Exams (Algebra I, Literature, and Biology) in order to graduate; however, since most students will continue to participate in the Keystone Exams for federal accountability purposes, those achieving scores of Proficient or Advanced (a minimum scaled score of 1500 or higher) in each of the three Keystone Exams demonstrate Keystone Proficiency and meet statewide requirements for high school graduation.

Students achieving a minimum scaled score of less than 1500 on a Keystone Exam may meet statewide requirements under the new **Keystone Composite** Pathway provided:

- ✓ No score of Below Basic was earned for any Keystone Exam,
- ✓ A score of Proficient or Advanced was achieved on at least one Keystone Exam, and
- ✓ The composite score for all three Keystone Exams is 4452 or greater.

If students do not have three Keystone Exam scores or do not meet the requirements for either Keystone Pathway, they may opt to retake one or more Keystone Exams or may elect to meet statewide graduation requirements under the Career & Technical Education (CTE) Concentrator Pathway, Alternative Assessment Pathway, or Evidence-Based Pathway.

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation CTE Concentrator, Alternative Assessment, and Evidence-Based Pathways

### Locally Established Grade-Based Requirements

For the **CTE Concentrator**, **Alternative Assessment**, and **Evidence-Based** Pathways, each student must meet locally established grade-based requirements for academic content associated with *every* Keystone Exam on which the student earned a score of Basic or Below Basic.

By way of example, a student who only demonstrated Proficiency or better in the Keystone Literature Exam would need to meet locally established grade-based requirements for academic content associated with *both* Algebra I and Biology (e.g., the student may be required to pass both the Algebra I and the Biology courses). **Note:** Although schools may offer Project-Based Assessments (PBA) as grade-based options, they may not require students to participate in PBAs.

### Pathway Evidence

*In addition* to meeting the aforementioned grade-based requirements, the student must provide pathway-related evidence demonstrating preparedness for postsecondary success.

To meet evidentiary requirements under the **Career & Technical Education (CTE) Concentrator** Pathway, a student must attain an Industry-Based Competency Certification related to the program of study *or* demonstrate either 1) readiness for continued meaningful engagement in the program of study *or* 2) a high likelihood of success on an approved industry-based assessment.

For evidence required under the **Alternative Assessment** and **Evidence-Based** Pathways, please refer to the chart on the following page.

**Note:** Although the **Alternative Assessment** Pathway requires only one piece of evidence, students earning scores of Basic or Below Basic on two or more Keystone Exams may need to fulfill multiple conditions in order to meet the pathway requirement for that piece of evidence.

By way of example, a student who only demonstrated Proficiency or better in the Keystone Literature Exam would need to 1) meet locally established grade-based requirements for academic content associated with *both* Algebra I and Biology and 2) satisfy *one* of the following pathway requirements:

- Achieve a score of 3 or higher on *two* AP exams (on academic content associated with Algebra I and Biology respectively) OR
- Achieve a score of 4 or higher on *two* IB exams (on academic content associated with Algebra I and Biology respectively) OR
- Successfully complete for *two* concurrent enrollment courses (on academic content associated with Algebra I and Biology respectively) OR
- Achieve an established score on *one* approved alternative assessment (including ACT WorkKeys NCRC), or
- Successfully complete *one* pre-apprenticeship program OR
- Gain acceptance into *one* 4-yr IHE and demonstrate the ability to enroll in college-level work.

Conversely, the **Evidence-Based** Pathway requires three pieces of evidence that reflect readiness for meaningful postsecondary engagement consistent with the student's goals and career plan – though no evidence under this pathway requires the fulfillment of multiple conditions associated with Keystone academic content (e.g., a score of 3 or higher on *any* AP Exam meets the criterion for one piece of evidence). However, as in Alternative Assessment and CTE Concentrator Pathways, students pursuing the Evidence-Based Pathway must meet locally established grade-based requirements for academic content associated with every Keystone Exam on which the student was less than proficient *in addition* to meeting evidentiary requirements for that pathway.

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

Meet local grade-based requirements for content associated with *every* Keystone Exam on which a student did not score Proficient or Advanced AND...

demonstrate readiness by attaining evidence under ONE of these pathways: ➡	Alternative Assessment Pathway (requires 1 piece of evidence)	Evidence-Based Pathway (requires 3 pieces of evidence)
	Satisfy <b>ONE</b> of the requirements (✓) below:	Satisfy up to <b>THREE*</b> of the requirements (✓) below:
Meet or exceed established score(s) on an approved alternative assessment	✓ Achieve <i>one</i> of the following: ACT – a composite score of <b>21</b> ASVAB – an AFQT composite score of <b>31</b> PSAT/NMSQT – a total score of <b>970</b> SAT – a total score of <b>1010</b>	✓ Achieve at least a <b>630</b> on <i>any</i> SAT Subject Test(s) <i>(each SAT Subject Test in a different subject or level and with an earned score of 630 or higher may be counted as a piece of evidence)</i>
Meet or exceed established score on the ACT WorkKeys	✓ Achieve at least <b>Gold Level</b> NCRC (National Career Readiness Certificate)	✓ Achieve at least <b>Silver Level</b> NCRC (National Career Readiness Certificate)
Meet or exceed established score(s) on Advanced Placement (AP) Exam(s)	✓ For <i>every</i> Keystone Exam on which less than Proficient, take a content-related AP Exam and score a <b>3 or higher</b> on <i>each</i>	✓ Score a <b>3 or higher</b> on AP Exam(s) in <i>any</i> content area <i>(each AP Exam affiliated with a different course and with an earned score of 3 or higher may be counted as a piece of evidence)</i>
Meet or exceed established score(s) on International Baccalaureate (IB) Exam(s)	✓ For <i>every</i> Keystone Exam on which less than Proficient, take a content-related IB Exam and score a <b>4 or higher</b> on <i>each</i>	✓ Score a <b>3 or higher</b> on IB Exam(s) in <i>any</i> content area <i>(each IB Exam affiliated with a different course and with an earned score of 3 or higher may be counted as a piece of evidence)</i>
Successfully complete concurrent enrollment course(s) OR Successfully complete a postsecondary (other than concurrent enrollment) course(s)	✓ For <i>every</i> Keystone Exam on which less than Proficient, <b>successfully complete</b> a content-related concurrent course	✓ <b>Successfully complete</b> concurrent enrollment course(s) in <i>any</i> content area OR <b>Successfully complete</b> any postsecondary course(s) provided by an LEA-approved institution  <i>(each course successfully completed may be counted as a piece of evidence)</i>
Acceptance into an accredited non-profit Institution of Higher Education (IHE) and ability to enroll in college-level work	✓ Provide an <b>unconditional acceptance letter</b> from a 4-year IHE OR <b>general admittance and proof of college-level coursework enrollment/equivalent placement test results/equivalent graduate profile</b>	✓ Provide an <b>unconditional acceptance letter</b> from an other-than-4-year IHE OR <b>general admittance and proof of college-level coursework enrollment/equivalent placement test results/equivalent graduate profile</b>
Successfully complete a Pre-Apprenticeship Program	✓ <b>Successfully complete</b> a PA Labor & Industry registered pre-apprenticeship program	N/A
Attain Industry-Recognized Credential(s)	N/A	✓ Receive <b>Industry-Recognized Credential(s)</b> from an SEA- or LEA-approved provider <i>(each credential earned may be counted as a piece of evidence)</i>
		<b>*At least ONE piece of evidence must be attained through the requirements listed above. To attain additional evidence, the student may satisfy up to TWO of the requirements (✓) below:</b>
Score Proficient or Advanced on Keystone Exam(s)	N/A	✓ Meet or exceed a score of <b>1500</b> on the Algebra 1, Biology, or Literature Keystone Exam(s) <i>(each Keystone Exam affiliated with a different course and with an earned score of 1500 or higher may be counted as a piece of evidence)</i>
Complete Service-Learning Project(s)	N/A	✓ <b>Successfully complete</b> (verified by adult supervisor) LEA-approved service-learning project(s) of sufficient duration and intensity to address community needs and learning goals <i>(each service-learning project completed may be counted as a piece of evidence, maximum two)</i>
Complete Internship(s), Externship(s), or Cooperative Education Program(s)	N/A	✓ <b>Successfully complete</b> (as defined by LEA) an internship or cooperative education program <i>(each internship, externship, or cooperative education program completed may be counted as a piece of evidence, maximum two)</i>
Comply with the NCAA Division II core course requirements for college-bound athletes	N/A	✓ Maintain the <b>minimum credits and GPA in requisite courses per NCAA</b> guidelines (as certified by LEA)
Attain a letter guaranteeing full-time employment	N/A	✓ Provide a <b>letter or completed form</b> indicating good faith offer(s) of postsecondary work commensurate with full-time employment as verified by the school administrator OR <b>enlistment papers</b>

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

### Sample Student Checklist

[STUDENT NAME]

[PAsecureID]

[DATE]

KEYSTONE PROFICIENCY PATHWAY	
ALGEBRA I KEYSTONE EXAM	[scaled score]
BIOLOGY KEYSTONE EXAM	[scaled score]
LITERATURE KEYSTONE EXAM	[scaled score]
ALL THREE 1500 OR HIGHER	<input type="checkbox"/> <b>SATISFIED</b> (PATHWAY COMPLETE) <input type="checkbox"/> <b>NOT SATISFIED</b> (see Keystone Composite)

ALGEBRA I: Below Basic (1200-1438), Basic (1439-1499), Proficient (1500-1545), Advanced (1546-1800)  
 BIOLOGY: Below Basic (1200-1459), Basic (1460-1499), Proficient (1500-1548), Advanced (1549-1800)  
 LITERATURE: Below Basic (1200-1443), Basic (1444-1499), Proficient (1500-1583), Advanced (1584-1800)

KEYSTONE COMPOSITE PATHWAY	
No score Below Basic	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b>
At least one score Proficient or Advanced	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b>
Composite score 4452 or higher	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b>
ALL THREE MARKED MET	<input type="checkbox"/> <b>SATISFIED</b> (PATHWAY COMPLETE) <input type="checkbox"/> <b>NOT SATISFIED</b> (see Decision Matrix A)

DECISION MATRIX A	
Will you retake one or more Keystone Exams?	<input type="checkbox"/> <b>YES</b> (see Keystone Proficiency Pathway) <input type="checkbox"/> <b>NO</b> (see next question)
Are you engaged in CTE program of study?	<input type="checkbox"/> <b>YES</b> (see CTE Concentrator Pathway) <input type="checkbox"/> <b>NO</b> (see Decision Matrix B)

CAREER & TECHNICAL EDUCATION (CTE) CONCENTRATOR PATHWAY			
ALGEBRA 1 KEYSTONE EXAM	Scaled score of 1500 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b> (requires one marked YES)
	Grade-based requirements satisfied	<input type="checkbox"/> YES <input type="checkbox"/> NO	
BIOLOGY KEYSTONE EXAM (or STEE course)	Scaled score of 1500 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b> (requires one marked YES)
	Grade-based requirements satisfied	<input type="checkbox"/> YES <input type="checkbox"/> NO	
LITERATURE KEYSTONE EXAM	Scaled score of 1500 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b> (requires one marked YES)
	Grade-based requirements satisfied	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Industry-Based Evidence	Competency certification attainment	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> <b>MET</b> <input type="checkbox"/> <b>NOT MET</b> (requires one marked YES)
	Program continuation readiness	<input type="checkbox"/> YES <input type="checkbox"/> NO	
	Industry-based assessment potential	<input type="checkbox"/> YES <input type="checkbox"/> NO	
ALL FOUR MARKED MET			<input type="checkbox"/> <b>SATISFIED</b> (PATHWAY COMPLETE) <input type="checkbox"/> <b>NOT SATISFIED</b> (review options)

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

DECISION MATRIX B	
Are you participating in the ACT, PSAT/NMSQT, SAT, or ASVAB?	<input type="checkbox"/> YES (consider Alternative Assessment Pathway) <input type="checkbox"/> NO (see next question)
Are you planning to attend a 4-year institution of higher education?	<input type="checkbox"/> YES (consider Alternative Assessment Pathway) <input type="checkbox"/> NO (see next question)
Are you enrolled in a pre-apprenticeship program?	<input type="checkbox"/> YES (consider Alternative Assessment Pathway) <input type="checkbox"/> NO (see Decision Matrix C)

ALTERNATIVE ASSESSMENT PATHWAY			
CORE REQUIREMENTS			
ALGEBRA 1 KEYSTONE EXAM	Scaled score of 1500 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires one marked YES)
	Grade-based requirements satisfied	<input type="checkbox"/> YES <input type="checkbox"/> NO	
BIOLOGY KEYSTONE EXAM	Scaled score of 1500 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires one marked YES)
	Grade-based requirements satisfied	<input type="checkbox"/> YES <input type="checkbox"/> NO	
LITERATURE KEYSTONE EXAM	Scaled score of 1500 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires one marked YES)
	Grade-based requirements satisfied	<input type="checkbox"/> YES <input type="checkbox"/> NO	
EVIDENTIARY REQUIREMENTS			
Meet or exceed established score on ONE approved alternative assessment	ACT composite score of 21 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires one marked YES)
	ASVAB AFQT composite score of 31 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	
	PSAT/NMSQT total score of 970 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	
	SAT total score of 1010 or higher	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Meet or exceed established score on ACT WorkKeys	NCRC Gold Level or higher		<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
Score 3 or higher on AP Exam(s) related to EACH Keystone Exam on which less than Proficient	AP Exam score 3 or higher (Algebra I)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires each marked YES or N/A)
	AP Exam score 3 or higher (Biology)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
	AP Exam score 3 or higher	<input type="checkbox"/> YES	

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

	(Literature)	<input type="checkbox"/> NO <input type="checkbox"/> N/A		
Score 4 or higher on IB Exam(s) related to EACH Keystone Exam on which less than Proficient	IB Exam score 3 or higher (Algebra I)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires each marked YES or N/A)	
	IB Exam score 3 or higher (Biology)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		
	IB Exam score 3 or higher (Literature)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		
Successfully complete concurrent enrollment course(s) related to EACH Keystone Exam on which less than Proficient	Pass concurrent course (Algebra I)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires each marked YES or N/A)	
	Pass concurrent course (Biology)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		
	Pass concurrent course (Literature)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		
Demonstrate acceptance into 4-yr institution of higher education and ability to enroll in college-level work	Unconditional acceptance letter	<input type="checkbox"/> YES	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET (requires one marked YES)	
	General admittance letter	<input checked="" type="checkbox"/>		
	College-level coursework enrollment OR equivalent placement test results OR equivalent graduate profile	<input checked="" type="checkbox"/>		<input type="checkbox"/> YES (requires both checked)
Successfully complete a Pre-Apprenticeship Program	Passing grade and program completion verified by adult supervisor	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET		
ALL THREE CORE REQUIREMENTS MARKED MET			<input type="checkbox"/> SATISFIED (proceed to next row) <input type="checkbox"/> NOT SATISFIED (review options)	
MINIMALLY ONE EVIDENTIARY REQUIREMENT MARKED MET			<input type="checkbox"/> SATISFIED (PATHWAY COMPLETE) <input type="checkbox"/> NOT SATISFIED (review options)	

DECISION MATRIX C	
Are you planning to enter the workforce or military upon graduation?	<input type="checkbox"/> YES (consider Evidence-Based Pathway) <input type="checkbox"/> NO (see next question)
Are you enrolled in an internship or cooperative education program or have you received an Industry-Recognized credential?	<input type="checkbox"/> YES (consider Evidence-Based Pathway) <input type="checkbox"/> NO (see next question)
Are you planning to attend a less than 4-year institution of higher education?	<input type="checkbox"/> YES (consider Evidence-Based Pathway) <input type="checkbox"/> NO (see next question)
Are you able to meet NCAA Division II academic requirements?	<input type="checkbox"/> YES (consider Evidence-Based Pathway) <input type="checkbox"/> NO (review options)

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

TIP: Review all twelve evidentiary requirements before selecting options as some pieces of evidence may have been attained previously (e.g., a score of Proficient or Advanced on a Keystone Exam).

EVIDENCE-BASED PATHWAY			
CORE REQUIREMENTS			
<b>ALGEBRA 1 KEYSTONE EXAM</b>	<i>Scaled score of 1500 or higher</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET <i>(requires one marked YES)</i>
	<i>Grade-based requirements satisfied</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<b>BIOLOGY KEYSTONE EXAM</b>	<i>Scaled score of 1500 or higher</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET <i>(requires one marked YES)</i>
	<i>Grade-based requirements satisfied</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<b>LITERATURE KEYSTONE EXAM</b>	<i>Scaled score of 1500 or higher</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET <i>(requires one marked YES)</i>
	<i>Grade-based requirements satisfied</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	
EVIDENTIARY REQUIREMENTS: SECTION 1			
Meet or exceed established score on any SAT Subject Test(s)	<i>SAT Subject Test score of 630 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>2<sup>nd</sup> SAT Subject Test score of 630 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>3<sup>rd</sup> SAT Subject Test score of 630 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
Meet or exceed established score on the ACT WorkKeys	<i>NCRC Silver Level or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
Score 3 or higher on any AP Exam(s)	<i>AP Exam score 3 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>2<sup>nd</sup> AP Exam score 3 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>3<sup>rd</sup> AP Exam score 3 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
Score 3 or higher on any IB Exam(s)	<i>IB Exam score 3 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>2<sup>nd</sup> IB Exam score 3 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>3<sup>rd</sup> IB Exam score 3 or higher</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
Successfully complete concurrent enrollment course(s) or approved postsecondary course(s)	<i>Pass course</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>Pass 2<sup>nd</sup> course</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
	<i>Pass 3<sup>rd</sup> course</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	
Demonstrate acceptance into an other-than 4-yr institution of higher education and ability to enroll in college-level work	<i>Unconditional acceptance letter</i>	<input type="checkbox"/> YES	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET <i>(requires one marked YES)</i>
	<i>General admittance letter</i>	√ <input type="checkbox"/>	
	<i>College-level coursework enrollment</i> <i>OR equivalent placement test results</i> <i>OR equivalent graduate profile</i>	<input type="checkbox"/> YES <i>(requires both checked)</i>	
Attain Industry-Recognized	<i>Earn credential</i>	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET	



# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

Credential from approved provider(s)	Earn 2 <sup>nd</sup> credential	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
	Earn 3 <sup>rd</sup> credential	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
<b>EVIDENTIARY REQUIREMENTS: SECTION 2</b>		
Score Proficient or Advanced on any Keystone Exam(s)	Score 1500 or higher on Algebra 1	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
	Score 1500 or higher on Biology	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
	Score 1500 or higher on Literature	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
Successfully complete approved service-learning project(s)	Project completion verified by adult supervisor	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
	2 <sup>nd</sup> Project completion verified by adult supervisor	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
Successfully complete internship or cooperative program(s)	Program completion verified by adult supervisor	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
	2 <sup>nd</sup> Program completion verified by adult supervisor	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
Meet the NCAA Division II academic requirements for college-bound athletes	Academic standing verified by school administrator	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
Provide a letter/form guaranteeing full-time employment or military enlistment papers	Letter/form/enlistment papers verified by school administrator	<input type="checkbox"/> MET <input type="checkbox"/> NOT MET
<b>ALL THREE CORE REQUIREMENTS MARKED MET</b>		<input type="checkbox"/> PARTIALLY SATISFIED (proceed to next row) <input type="checkbox"/> NOT SATISFIED (review options)
<b>MINIMALLY ONE EVIDENTIARY REQUIREMENT MARKED MET IN SECTION 1</b>		<input type="checkbox"/> PARTIALLY SATISFIED (proceed to next row) <input type="checkbox"/> NOT SATISFIED (review options)
<b>A TOTAL OF THREE EVIDENTIARY REQUIREMENTS MARKED MET</b> (UP TO TWO PERMISSIBLE FROM SECTION 2)		<input type="checkbox"/> SATISFIED (PATHWAY COMPLETE) <input type="checkbox"/> NOT SATISFIED (review options)

# Pathways to Graduation

## Guide to Meeting Statewide Requirements for High School Graduation

### Sample Pathway Progress Log

[STUDENT NAME]

[PAsecureID]

DATE	ACTIVITY TYPE <ul style="list-style-type: none"><li>▪ <i>student conference</i></li><li>▪ <i>parent communication</i></li><li>▪ <i>colleague consultation</i></li><li>▪ <i>other (specify)</i></li></ul>	ACTIVITY SUMMARY	NEXT STEPS & TIMEFRAME <i>What needs to be done?</i> <i>- by whom: student, counselor, other (specify)?</i> <i>- by when?</i>

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# **Appendix C:**

## **NCAA College Requirements & Eligibility**

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# ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at [eligibilitycenter.org](https://eligibilitycenter.org). Plan to register before your freshman year of high school (or year nine of secondary school). Visit [on.ncaa.com/RegChecklist](https://on.ncaa.com/RegChecklist) to help guide you through the registration process.

## ACADEMIC REQUIREMENTS

To study and compete at a Division I or II school, you must earn 16 NCAA-approved [core-course credits](#), earn a minimum 2.3 (Division I) or 2.2 (Division II) [core-course GPA](#) and submit your final transcript with proof of graduation to the Eligibility Center.

## CORE-COURSE REQUIREMENTS

### DIVISION I

Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, world language or nondoctrinal religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

### DIVISION II

Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, world language or nondoctrinal religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

## GRADE-POINT AVERAGE

The Eligibility Center calculates your [core-course GPA](#) based on the grades you earn in NCAA-approved core courses.

- » Division I requires a minimum 2.3 core-course GPA.
- » Division II requires a minimum 2.2 core-course GPA.

### DIVISION III

While [Division III schools](#) set their own admissions and academic requirements, [international student-athletes](#) (first-year enrollees and transfers) who initially enroll full time at a Division III school on or after Aug. 1, 2023, are required to complete an [Amateurism-Only Certification account](#). Contact the Division III school you plan to attend for more information about its academic requirements.

*\*More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).*



# GRADE 9 REGISTER

- » Start planning now! Register for a free Profile Page account at [eligibilitycenter.org](https://eligibilitycenter.org) for information on NCAA initial-eligibility requirements.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist) to ensure you are taking the right courses, and earn the best grades possible!

# GRADE 10 PLAN

- » If you are being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the right **Certification account**.
- » Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- » At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.
- » If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

# GRADE 11 STUDY

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you are on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- » At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.

# GRADE 12 GRADUATE

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at [eligibilitycenter.org](https://eligibilitycenter.org).
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

\*More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

## 9<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

**4 CORE COURSES**

## 10<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

**4 CORE COURSES**

## 11<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

**4 CORE COURSES**

## 12<sup>TH</sup> GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

**4 CORE COURSES**

## CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec):  
877-262-1492 - Monday-Friday,  
9 a.m. to 5 p.m. Eastern time

## SEARCH FAQ:

[ncaa.org/studentfaq](https://ncaa.org/studentfaq)

[@ncaaec](https://twitter.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports) [@ncaaec](https://www.facebook.com/ncaaec)



ELIGIBILITY CENTER

NCAA is a trademark of the National Collegiate Athletic Association. January 2023.



# **Appendix D:**

4-year Academic Planning Worksheets

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# **How to Create a Four-Year Plan for High School**

## **Step 1: Find Out the Graduation Requirements**

Every high school has a set, minimum curriculum that students must complete in order to earn their diploma. We recommend you review the West Allegheny High School Program of Studies to be sure you are meeting the requirements.

**Here are the Top 5 questions to ask when creating your four-year plan. You can find the answers to most of these questions in the West Allegheny High School Program of Studies. If you need help, you can ask your school counselor:**

1. How many credits in each subject do I need in order to graduate on time?
2. What additional graduation requirements exist?
3. Are there any courses I can take for college credit?
  - If so, what are the requirements, and how can I find out whether the credits will transfer?
4. What are my best course options if I want to go to the workforce or into the military?
5. How often should I check in to make sure I'm on the right track?

## **Step 2: Ask Yourself the Right Questions & Perform a Self-Evaluation**

While it is important to know the practical steps you need to take toward graduation, you know yourself and your own interests better than anyone. Start asking yourself questions about who you are, what you want, and what you need to do to reach your goals. These questions may help direct you to the Career and College Pathway that is the best fit for you.

Check in with yourself, and consider talking through your self-evaluation with your parents, school counselor, teachers, coaches, mentors, or older siblings.

### **Here are the Top 10 Questions to Ask Yourself:**

1. Where do I want to be eight years from now?
2. What type of lifestyle do I wish to live?
3. What are my strengths and weaknesses?
4. What is my dream career?
5. What's my plan B?
  - Second career choice
  - Second major choice
6. What am I looking for in a college or employer?

7. What type of student does my preferred college(s) tend to enroll or my preferred employer tend to hire, and how can I develop myself during high school so that I would be a good candidate?
8. What is my high school GPA goal?
9. Will I need scholarships for college? If so, what kinds should I be looking for, and what do I need to do to qualify?
10. What type of support (financial, emotional, etc.) will I need to make the transition to college or the workforce?

Honest answers to these questions will push you to be realistic about your goals and help you determine the best path to take. Knowing the areas in which you excel and how they align with your interests will help you narrow down the choices to make, the academic levels which will be most helpful, the electives to take, and the activities on which to focus.

### **Step 3: Choose Electives that Interest You & Help You Stand Out to Colleges or Employers**

After you wrap your head around your graduation requirements, start to brainstorm which electives you might want to take. Electives help you explore areas of study that you might be interested in and dive more deeply into subjects that may only be introduced briefly in your core classes.

Use your elective options to learn what you like and dislike and where you excel. Your choices in elective courses show college admissions counselors and employers what you are passionate about, the type of student you are, and how well you can manage a busy schedule. Taking interesting, well-planned electives shows that you take education seriously, so ask your school counselor and upperclassmen about any special electives that might be a good fit for you as well as reviewing the recommended electives listed for each Career and College Pathway.

Adapted from an article on the Colleges of Distinction website

<https://collegesofdistinction.com/advice/how-to-create-a-four-year-plan-for-freshmen/>

## West Allegheny High School Graduation Planning Worksheet

It is encouraged that families use this form to assist in planning a comprehensive educational high school plan.  
Please refer to the graduation requirements while completing this form. All students are required to schedule and maintain a minimum of 7.00 credits each academic year earning a total of at least 26.25 total credits.

Career and College Pathway(s) of Interest: \_\_\_\_\_

Career(s) of Interest: \_\_\_\_\_

Subject	Credits Required	Grade	Courses Completed/ To be Completed	Year	Total
<b>English Language Arts</b>	4	9			
		10			
		11			
		12			
<b>Mathematics</b>	4	9			
		10			
		11			
		12			
<b>Science</b>	4 (3 if student attends Parkway CTC)	9			
		10			
		11			
		12			
<b>Social Studies</b>	4 (3 if student attends Parkway CTC)	9			
		10			
		11			
		12			
<b>PE/Health</b>	1 (0.5 Health required)	9			
		10			
<b>Electives</b>	9.25				
<b>Graduation Requirements: ACT 158 Graduation Pathways</b>				<b>Highest Score</b>	<b>Proficiency Level</b>
<b>ACT 158 Requirement: Keystone Proficiency</b>	Algebra 1				
	Biology				
	Literature				
<b>ACT 158 Requirement: Alternate Pathway (if Keystone Proficiency is not met, one of the following Pathways must be met)</b>	Keystone Composite				
	CTC Concentrator			N/A	
	Alternate Assessment				
	Evidence Based			N/A	
<b>Additional Graduation Requirements</b>				<b>Completed</b>	
<b>Civics Exam, CEWs, &amp; IBLs</b>	Civics Exam (Taken during American Government or AP US Government course)				
	Career and Education Work Standards Portfolio (8 pieces of evidence with at least 2 per grade level maintained on Canvas)				
	Industry Based Learning Indicator				
<b>College AND Career Readiness Indicators</b>				<b>Completed</b>	
<b>College Readiness</b>	<b>GPA 2.8 and one of the following:</b>				
	Earn an A, B, C in an AP Course and/or Pass an AP exam with 3+				
	Earn an A, B, C in Algebra 2				
	Earn an A, B, C in a Dual or Concurrent College English or Math Course				
	Earn a qualifying score on SAT Exam Math (530) Reading/Writing (480), Act Exam Eng(18), Reading(22), Science(23), Math(22) or College Readiness Placement Assessment				
<b>Career Readiness</b>	<b>90% or above attendance rate and one or more of the following:</b>				
	Concurrent or Dual Enrollment				
	Earning an Industry Credential				
	Workplace Learning Experience				
	Co-Curricular Activities				
Community Service (25 or more hours)					

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# West Allegheny High School

## 4-year Academic Planning Worksheet

This worksheet is designed to be helpful in the planning of your high school academics. It is the responsibility of students and parents to know the requirements for promotion and graduation, however, your school counselor is available to assist you in planning your 4-year academic course path. Please remember that every student must carry a minimum of 7.00 credits each school year, unless otherwise pre-approved by a school administrator. Please be sure to review the graduation requirements and credits required from promotion while determining your 4-year academic plan.

Career and College

Pathway of interest: \_\_\_\_\_ Career Interest: \_\_\_\_\_

<u>9<sup>th</sup> Grade</u>			
Course Number		Course Title	Credits
English			
Math			
Science			
Social Studies			
PE			
Elective			
Elective			
Elective			
Elective			
Total Credits			

<u>10<sup>th</sup> Grade</u>			
Course Number		Course Title	Credits
English			
Math			
Science			
Social Studies			
Health			
Elective			
Elective			
Elective			
Elective			
Total Credits			





# West Allegheny High School

## 4-year Academic Planning Worksheet

This worksheet is designed to be helpful in the planning of your high school academics. It is the responsibility of students and parents to know the requirements for promotion and graduation, however, your school counselor is available to assist you in planning your 4-year academic course path. Please remember that every student must carry a minimum of 7.00 credits each school year, unless otherwise pre-approved by a school administrator. Please be sure to review the graduation requirements and credits required from promotion while determining your 4-year academic plan.

Career and College Pathway of interest:		Career Interest:	
--	--	------------------	--

<u>11<sup>th</sup> Grade</u>			
Course Number	Course Title		Credits
English			
Math			
Science			
Social Studies			
Elective			
Elective			
Elective			
Elective			
Elective			
Total Credits			

<u>12<sup>th</sup> Grade</u>			
Course Number	Course Title		Credits
English			
Math			
Science			
Social Studies			
Elective			
Elective			
Elective			
Elective			
Elective			
Total Credits			

# **Appendix E:**

## Special Schedule Request Forms

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# West Allegheny High School

## Early Release/Late Start Request

### Guidelines

Senior students are eligible for early release or late start based on dual enrollment, employment, or for special circumstances. Junior and sophomore students are eligible for early release for dual enrollment purposes only. The early release/late start program will only be used for students who are making adequate progress toward graduation requirements and whose class schedule works within the timeframe requested. **All early release or late start requests require review and approval by an administrator.** Students are expected to follow their existing schedule until notified by their School Counselor.

#### Situation #1: DUAL ENROLLMENT REQUEST (sophomores/juniors/seniors)

- Student is enrolled in at least one class through the dual enrollment program (or another administratively approved college or university program).
- Student must file a copy of each semester's class schedule with the School Counselor.

#### Situation #2: WORK RELEASE REQUEST (seniors only)

- Student is employed 10 or more hours a week.
- Students must submit their work schedule or a copy of their pay stub to their counselor every month.
- Student may also need to complete a *Request for Fewer Than 7 Credits Form (seniors only)*.

#### Situation #3: SPECIAL CIRCUMSTANCES (ALL require review by administration)

- Student's parent/guardian must provide a detailed explanation of the special circumstance.
- Student may also need to complete a *Request for Fewer Than 7 Credits Form (seniors only)*.

**TERMINATION POLICY:** If release time is granted and the student's employment, college classes, or special circumstances cease for any reason, the student must notify the school and return to full time attendance at WAHS immediately. If a student is failing classes or not meeting other requirements required for graduation, release time will be terminated. Student progress will be monitored monthly for continued employment or college attendance.

Student Name: \_\_\_\_\_ Grade: \_\_\_\_\_

<input type="checkbox"/>	Dual Enrollment	College/University: _____
		Fall Course(s): _____
		Spring Course(s): _____
<input type="checkbox"/>	Work	Employer: _____
		Hours per week: _____
<input type="checkbox"/>	Special Circumstance	Description: _____
		_____
		_____

Additional Details: \_\_\_\_\_  
\_\_\_\_\_

<input type="checkbox"/>	Early Release	Period requested to leave: _____
<input type="checkbox"/>	Late Start	Period requested to start: _____

---

**Student Agreement**

*I agree to submit all of the required paperwork for Early Release or Late Start including a copy of my class schedule, work schedule, and any other required forms in the Guidance Office. I will make all of the necessary appointments to meet with my School Counselor if my schedule needs to be reviewed. I recognize that failure to notify the school of any changes in dual enrollment, employment, or special circumstances status will result a removal of the Early Release/Late Start.*

Post-Secondary Goal: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Parent/Guardian Agreement**

*I grant permission for my child to be released from school early or arrive to school late while in the Early Release/Late Start Program. I recognize that failure to notify the school of changes in dual enrollment, work, or special circumstances status will result in removal from the Early Release/Late Start Program. I understand that students are responsible for their own transportation.*

Parent/Guardian Name: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Principal Review**

Principal Signature: \_\_\_\_\_ Date: \_\_\_\_\_

☐

APPROVED

☐

NOT APPROVED



# West Allegheny High School

## Academic Waiver Request

**Certain courses at West Allegheny High School have prerequisites or other academic guidelines that are made to try to assure success in a course that is scheduled for the next year. Course recommendations are determined based on multiple factors including current and past grades and standardized test scores, as well as work ethic and motivation displayed in class (i.e. homework completion and class participation).**

If a parent/guardian believes that their student can be successful in a course that the student is not recommended for, they may submit an Academic Waiver Request to the academic principal for review. Submission of an Academic Waiver Request does not guarantee the class will be added or changed. Requests will be reviewed, and the parent/guardian and student will be notified of the decision. Please complete this form including parent and student signatures and return it to your school counselor.

Student Name: \_\_\_\_\_ Current Grade Level: \_\_\_\_\_

Course Recommended by Teacher: \_\_\_\_\_

Course Requested by Parent: \_\_\_\_\_

*If this class is replacing an existing course request, please list the class that is to be removed from your schedule in order to fit this class.* \_\_\_\_\_

Current academic course aligned to the course requested: \_\_\_\_\_

Grades: Q1 \_\_\_\_\_ Q2 \_\_\_\_\_ Q3 \_\_\_\_\_ Q4 \_\_\_\_\_ Final \_\_\_\_\_

Prior Prerequisite Course (if applicable): \_\_\_\_\_ Final Grade: \_\_\_\_\_

*Briefly describe why you are requesting a course for which you were not recommended or for which you do not have the prerequisite(s).* \_\_\_\_\_

*What caused you not to not be recommended and/or earn the required prerequisites?* \_\_\_\_\_

*What strategies do you plan on putting in place to be successful in your requested course, if approved?* \_\_\_\_\_

---

---

### ALL WAIVER REQUESTS MUST BE SUBMITTED BY THE SECOND WEEK IN JUNE

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Counselor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**PRIOR TO SUBMITTING, PLEASE REVIEW THE COMPLETE SCHEDULE CHANGE PROCEDURES IN THE PROGRAM OF STUDIES.**

☐

APPROVED

☐

NOT APPROVED

Principal Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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# West Allegheny High School

## Independent Study Program

### Application

The Independent Study Program is designed to meet the needs of junior and senior students who have exhausted the options in a particular curriculum area or desire to pursue course work not offered within the available course offerings. Independent Study courses may be considered when a student is on track to meet all requirements for graduation. Independent Study courses cannot replace a required or existing course offered.

#### Guidelines

Participating in an Independent Study program requires an effort and commitment on the part of the student, parent/guardian, and Mentor Teacher to meet individual educational interests of the student. Students and parents/guardians must realize the following before applying for the Independent Study Program.

1. Independent Study courses will only be considered when the student is on track to meet all requirements for graduation as outlined in the Program of Studies.
2. Independent Study courses are only available to **Junior and Senior** students.
3. All possible efforts should be made to take courses available in the Program of Studies. **Independent Study courses cannot replace an existing course.**
4. All Independent Study courses require a **Mentor Teacher** from West Allegheny High School as approved by the High School Administration.
5. All Independent Study course requests must include:
  - a) Independent Study program application
  - b) A goal statement outlining each of the responsibilities and times when study will be completed
  - c) Signatures of Parent/Guardian, Mentor Teacher, School Counselor
  - d) Student transcript
6. All Independent Study courses must be approved by the High School Administration.
7. No transportation (if needed) for the Independent Study will be provided by the school district.
8. Independent Studies will be graded on a Pass/Fail basis but will not be applied to the student's GPA. Students will be given elective credit toward graduation requirements.
9. The schedule change procedures contained within the West Allegheny High School Program of Studies apply to all Independent Study courses.
10. The student must meet routinely with the Mentor Teacher and School Counselor throughout the year to monitor individual student progress.

#### Mentor Responsibilities

1. **Assist** in developing performance objectives reflecting long and short-term goals.
2. **Collaborate** with Administration and the student to provide clear expectations and criteria for success.
3. **Evaluate** using Pass/Fail grades at the end of each grading period. Measurable objectives must be examined at least quarterly.
4. **Advise** and guide in the completion of all presentation requirements.





# West Allegheny High School

## Independent Study Program

### Application

#### Steps to Apply

1. In collaboration with your Mentor Teacher, complete the Independent Study Application. **Be sure you have all appropriate signatures.**
2. Bring the completed Application, including Independent Course Study Goals, to your School Counselor. The School Counselor will review and submit completed forms to an administrator for final approval. Incomplete forms will be returned to the student.
3. If the Independent Study is approved, the student's School Counselor will contact the student and add it to their schedule. **The student may not begin the Independent Study until this occurs.** If it is not approved, the student may need to make another course selection.

Student Name:		Graduation Year:	
Parent/Guardian:		Mentor Teacher:	
Independent Study Course Name:			
Location/Room Number:	Rotations Days:	Period:	Credits:
Goal of Independent Study:			
Future Plans/Career Interest:			

#### REQUIRED SIGNATURES

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Mentor Teacher Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Counselor Signature: \_\_\_\_\_ Transcript Attached \_\_\_\_\_

**PRIOR TO SUBMITTING, PLEASE REVIEW THE COMPLETE SCHEDULE CHANGE PROCEDURES IN THE PROGRAM OF STUDIES.**

☐

APPROVED

☐

NOT APPROVED

Principal Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# West Allegheny High School

## Independent Study Program

### Application

## Independent Study Course Goals

Student Name: \_\_\_\_\_ Graduation Year: \_\_\_\_\_

Title of Independent Study Course: \_\_\_\_\_

### BREAKDOWN OF OVERALL GOALS FOR EACH MARKING PERIOD\*

\*Attach a separate sheet if necessary

<i>First Quarter</i>	
<i>Second Quarter</i>	
<i>Third Quarter</i>	
<i>Fourth Quarter</i>	

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# West Allegheny High School

## Student Internship Proposal

An internship is a highly structured, sustained professional learning experience in which students work closely with an industry professional for a defined period of time at an established workplace to participate in and observe meaningful, practical work related to a student's field of study or career interest. Internships differ from Independent Studies by allowing students the opportunity to apply the learning they have received, gain experience in the workforce, and learn from practicing industry professionals. West Allegheny School District offers several internships on-site and is continuing to develop new internships as interests and needs are identified. Senior and Junior students are welcome to submit a student internship proposal as part of the scheduling process.

### Eligibility

To be eligible for an internship, a student must be enrolled at West Allegheny, be at least 14 years old, be in good standing academically and behaviorally, and maintain positive attendance. For interns under the age of 18, a work permit must be on file. All internships will comply with state regulations for minors.

### Objectives

The student will

- Gain practical skills in the field to build an understanding of the knowledge and skills required in the industry.
- Develop professional relationships and a network of support.
- Apply the knowledge gained through course work at to support the organization in which they are working.
- Develop an understanding of the duties, responsibilities, and qualifications needed to work in the career field.
- Acquire and apply critical thinking skills and effective communication skills.
- Understand and embody the professional standards required to be successful in the industry.

### Guidelines

1. Senior and Junior students can propose an internship for consideration if they are currently meeting the above presented eligibility requirements.
2. All student internship proposals must include clearly defined goal statements and required signatures.
3. All internships must occur outside of a student's scheduled classes.
4. All internships must be approved by administration.
5. All internships will awarded elective credit, be graded on a Pass/Fail basis, and have no application to the student's GPA.
6. No transportation (if needed) for the internship will be provided by the school district.

### Internship Direct Supervisor Responsibilities

1. **Assist** in developing performance objectives reflecting long and short-term goals.
2. **Collaborate** with administration and the student to provide clear expectations and criteria for success.
3. **Evaluate** using Pass/Fail grades at the end the internship based on the goals established at the onset of the internship.
4. **Advise** and **guide** in the completion of the learning objectives outlined above.

### Steps to Apply

1. In collaboration with your Internship Direct Supervisor, complete the Student Internship Proposal and Agreement Form. **Be sure you have all appropriate signatures.**
2. Bring the completed form to your School Counselor. The School Counselor will review and submit with the student's transcript and course requests for final approval. Incomplete forms will be returned to the student.
3. If approved, the student will be contacted to adjust their schedule. **The student may not begin a proposed internship until it is officially approved.**

# Student Internship Proposal and Agreement Form



## Student Information:

Name	Birthdate and Age	Anticipated Graduation Year
Career and College Pathway	Current Career Goal	
Phone Number	Driving Status	Parking Status
Parent/Guardian Name	Parent Phone and Email	

## Internship Information:

Title	Location of Internship
Direct Supervisor Name	Supervisor Title/Position
Phone Number	Site Address

## Internship Expectations:

Time Commitment (anticipated total hours)	Credits to be earned (120 hours = 1 credit)
Start Date	End Date
Hourly Wage (if paid)	Anticipated Schedule

## Internship Goals:

1.
2.
3.

## Signatures of Agreement:

Student Signature	Student Name	Date
Direct Internship Supervisor Signature	Direct Supervisor Name	Date
Parent/Guardian Signature	Parent/Guardian Name	Date
Director of Special Project Signature	Dr. Katharine Roche	Date



# West Allegheny High School

## Request for Fewer Than 7 Credits

### 12<sup>th</sup> Grade Only

Students must earn a minimum of 26.25 total credits to earn a West Allegheny High School diploma. It is the student's and parent's responsibility to know the requirements for promotion and graduation and to make plans accordingly. Students in grades 9-11 are required to schedule and maintain a minimum of 7.00 credits each academic year. However, students in their senior year may request to take fewer than 7 credits.

Student Name \_\_\_\_\_

**What is your post-secondary goal (plans for after graduation)?**

- \_\_\_\_\_ Attend a 4-year college or university  
\_\_\_\_\_ Pursue a 2-year associate degree or attend a technical/specialized training school  
\_\_\_\_\_ Work full-time  
\_\_\_\_\_ Enter the military  
\_\_\_\_\_ Undecided

**Why do you want to take less than 7 credits during your senior year? Check all that apply.**

<input type="checkbox"/>	Participating in an internship or pre-apprenticeship – list company
<input type="checkbox"/>	Employment – list company
<input type="checkbox"/>	Dual Enrollment outside of ECIHSA – list institution
<input type="checkbox"/>	Additional Reason/Information:

Student Initials	Parent Initials	
<input type="checkbox"/>	<input type="checkbox"/>	I have considered the impact this choice will have on my post-secondary plans including college/university admission, military commitment, entrance into an apprenticeship program, etc.
<input type="checkbox"/>	<input type="checkbox"/>	I have reviewed the information detailing the requirements for graduation and confirm that the schedule I am requesting will ensure I meet these requirements.

How many credits are you requesting to take? (Students will be required to maintain at least 1 credit over the minimum graduation requirements as a buffer.) \_\_\_\_\_

If submitted after receiving your schedule, which class(es) are you requesting to drop? \_\_\_\_\_

When would you prefer your classes to be? Please check one below.

- ☐ Morning    ☐ Afternoon    ☐ No Preference

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**ALL WAIVER REQUESTS MUST BE SUBMITTED  
BY THE SECOND WEEK IN JUNE**

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**PRIOR TO SUBMITTING, PLEASE REVIEW THE COMPLETE SCHEDULE CHANGE PROCEDURES IN THE PROGRAM OF STUDIES.**

☐ APPROVED                      ☐ NOT APPROVED

Principal Signature: \_\_\_\_\_ Date: \_\_\_\_\_