



**WILLIAMSPORT
AREA HIGH
SCHOOL**

2016-2017

FRESHMAN

ACADEMY

COURSE CATALOG

Dear Parent/Guardian,

This catalog is designed as a guide for 8th grade students who will be moving up to the high school next year. This catalog contains information on the scheduling process for high school classes, along with other information on credits and graduation requirements for the WAHS. There are also descriptions of all courses available to 9th grade students. The WAMS counselors will be working with your child over the next few weeks to schedule their classes for the 2015-2016 school year.

Mr. Ross
9th Grade Principal

Philosophy

The Williamsport Area High School offers a setting for students to grow and to interact with teachers and fellow students in learning. Recognizing individual abilities, attitudes, and behaviors, the school in cooperation with the home and the community encourages each student's aesthetic, intellectual, moral, physical and social development.

WASD District Office Administration			
Superintendent TBD		Assistant Superintendent Peter Chapla, M.Ed.	
Director Of Student Services	Director of Human Resources	Business Administrator	Solicitor
TBD	Anne Logue	Jeffrey L. Richards, B.A.	Fred A. Holland, J.D.
WASD Board of School Directors			
Lori Baer, President	Patrick Dixon	Robin Knauth, Th.D.	Jennifer Lake
Jerene Milliken	Jane L. Penman, Ph.D.	Dr. Nancy Story Somers	Spencer Sweeting, Vice President
Scott Williams			
WAHS High School Administration			
Head Principal	Principal	9th Grade Principal	Principal/CTE Director
Brandon S. Pardoe, M.Ed.	Jeffery T. Robbins, M.Ed.	Justin D. Ross, M.Ed.	Randy J. Zangara, M.Ed.
Alt. Schools Principal	Dean of Students		Athletic Director
William G. Emery, M.Ed.	Leslie Whitehill, M.S.		Sean E. McCann, M.S.

Program of Studies

Graduation Requirements

A student must accumulate twenty-three credits in grades 9 through 12 in order to qualify for a Williamsport Area High School diploma. Among these are required credits in the areas of English, Social Studies, Mathematics, Science, Health & Physical Education, and the Arts and Humanities. Graduation requirements apply to all students unless determined otherwise by an IEP team in compliance with the Individuals with Disabilities Education Act (IDEA).

STANDARD GRADUATION REQUIREMENTS	
Subject Area	Required # of Courses
English	4.0 (1 course per year)
Mathematics	4.0* (1 course per year)
Science	3.0/4.0** (1 course per year)
Social Studies	3.0/4.0*** (1 course per year)
Physical Education/Health	1.5
Arts and Humanities	2.0
Electives	4.5

*Any student that completes Calculus I by their Junior year has officially completed their high school math requirements.

**Students have a choice of a swing credit. They have the ability to choose a 4th course of science or social studies, their senior year, to fulfill graduation requirements.

CAREER & TECHNICAL EDUCATION PROGRAM COMPLETER GRADUATION REQUIREMENTS	
Subject Area	Required # of Courses
English	4.0 (1 course per year)
Mathematics	4.0* (1 course per year)
Science	3.0 (1 course per year)
Social Studies	3.0 (1 course per year)
Physical Education/Health	1.5
Arts and Humanities	2.0
Electives	4.5

*Any student that completes Calculus I by their Junior year has officially completed their high school math requirements.

FRESHMAN YEAR:

HONORS:

Core Classes: English honors, Biology honors, US History honors, Algebra II honors or Geometry honors,

Mandatory: Career Pathways

Electives: 2.5 credits

ACADEMY:

Core Classes: Intro to Literature, US History, Algebra 1, Integrated Science,

Mandatory: Career Pathways, Health

Electives: 1.0 credits

GENERAL EDUCATION REQUIREMENTS

GENERAL EDUCATION REQUIREMENTS

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English (1 Credit)	English (1 Credit)	English (1 Credit)	English (1 Credit)
English Requirement is 1 course each year of High School from options below. See recommended courses in your program of study			
Intro to Lit Comp I English 9 H	Intro to Lit Comp II English 10 H	American Lit/Comp I English 11 H AP English 11 (Language)	British Lit/Comp I English 12 AP English 12(Literature) PCT English H
Mathematics (1 Credit)	Mathematics (1 Credit)	Mathematics (1 Credit*)	Mathematics (1 Credit)
Math Requirement is 1 course each year of High School from options below. See recommended courses in your program of study			
Algebra I Algebra II H Geometry H	Algebra II Geometry H Pre-Calc Trig H	Geometry Trigonometry Geometry H PCT 124 (.5)/125 (.5) Pre-Calc Trig H Calc I (*if completed no more math required)	Career Mathematics Trigonometry PCT 124/125 Pre-Calc Trig H Calc I Calc II Alg III
Social Studies (1 Credit)	Social Studies (1 Credit)	Social Studies (1 Credit)	Social Studies (0/1 Credit)*
Social Studies Requirement is 3/4 courses each year of High School from options below. See recommended courses in your program of study			
US History US History H	Civics & Government Civics & Government H AP Government	Modern World Modern World H (PCT) AP European AP US History Psych/Soc	Global Studies Global Studies H PCT Psychology AP Psychology Psych/Soc
Science (1 Credit)	Science (1 Credit)	Science (1 Credit)	Science (0/1 Credit)*
Science Requirement is 3/4 courses each year of High School from options below. See recommended courses in your program of study			
Integrated Science Biology H	Biology Chemistry H (PCT)	Chemistry Physics I H AP Physics I	Topics of Science Meteorology/Astronomy Anatomy/Physiology AP Biology Physics I H AP Physics I AP Physics II AP Chem (2cr) AP Environmental Science
Physical Education & Health (1.5 Credits)			
PE & Health Credits may be taken throughout your 4 years of high school.			
PE01 (.5) Health 01 (.5)	PE03 (.5) PE04 (.5) PE05 (.5) PE06 (.5) Health 01 (.5) Health 02 (.5)	PE03 (.5) PE04 (.5) PE05 (.5) PE06 (.5) Health 01 (.5) Health 02 (.5)	PE03 (.5) PE04 (.5) PE05 (.5) PE06 (.5) Health 01 (.5) Health 02 (.5)
Electives (2 Credits Arts & Humanities)			
See electives for your program of study			
Career Pathways (.5) (9 th grade)			

*Students in a CTE Program of study, as a completer, need only 3 social studies & Science credits.

**WILLIAMSPORT AREA HIGH SCHOOL 8th to 9th GRADE ACADEMY COURSE
SELECTION CARD 2016-2017 SCHOOL YEAR**

NAME	
-------------	--

The courses listed below are possible offerings for your son/daughter's upcoming school year. Final selections will be based upon: student/parent interests, course availability, and the recommendations made by your son/daughter's current classroom teachers.

CORE CURRICULAR & REQUIRED FRESHMAN COURSES

CHECK	CORE COURSES(w/Course #)	Credits
✓	10200- US History	1.0
✓	00060- Intro To Lit Comp I	1.0
✓	20110- Algebra I	2.0
✓	30080- Integrated Science	1.0
✓	9100X- Career Pathways & Financial Planning	0.50
✓	9085X- Health 01	0.50
TOTAL CREDITS		6.0

Summer School

- Health
 Career Pathways
 Physical Education

* SUMMER SCHOOL IS PAID FOR BY THE STUDENT/FAMILY

ELECTIVES 1.0 CREDITS (Please choose and check 1.0 credits) Mark other interest areas with an asterix

CHECK	CAREER AND TECHNICAL EDUCATION	Credits	CHECK	FOREIGN LANGUAGES	Credits
	92474- Intro to Landscaping/Horticulture	0.50		*Must have passed English PSSA and have a B or better in LA	
	91894- Intro to Digital Design	0.50		50100- German I	1.0
	92724- Intro to Precision Machinery	0.50		50200- Spanish I	1.0
	91150- Intro to Engineering & Robotics	0.50		50410- Latin I	1.0
	40071- Computer Apps I	0.50			
	40072- Computer Apps II	0.50			
CHECK	PERFORMING ARTS	Credits	CHECK	FINE ARTS	Credits
	60260- Freshman Orchestra	1.0		71510- Two Dimensional Visual Arts I	1.0
	60190- Freshman Band	1.0		71600- Three Dimensional Arts I	1.0
	60140- Freshman Choir	1.0		71650- Photography & Digital Media I	1.0
	60280- PF MUS 9- Orch/Chorus	1.0			
	60290- PF MUS 9- Band/Chorus	1.0			
	00711- Drama I	0.50			
	00072- Drama II (Must take Drama I First)	0.50			
CHECK	HEALTH AND PE (1.5 credits for Graduation)	Credits			
	9007X-Health 02 (Must take Health 01 First)	0.50			
	9091X- Physical Education 01	0.50			
	9095X- Physical Education 05 (Must take PE 01 First)	0.50			
	9096X- Physical Education 06 (Must take PE 01 First)	0.50			

NOTES:

Is student cross teamed?

Academic Courses:	DATE OF STUDENT MEETING:	
Enriched Courses:		

STUDENT IS INTERESTED IN POSSIBLY COMPETING IN NCAA ATHLETICS (needed for proper course placement) YES or NO

PARENT SIGNATURE: _____

CONSELOR SIGNATURE: _____

STUDENT SIGNATURE: _____

PLEASE SIGN COURSE SELECTION CARD. THANK YOU

KEYSTONE EXAM

Graduation Requirements

The Commonwealth of Pennsylvania has mandated requirements above and beyond the district's prescribed 23 credits for graduation from the high school.

Students intending to graduate will be eligible to receive a diploma only by fully and successfully completing the following requirements:

- Completing the required Keystone Exams, and fulfilling each additional condition that results from the student's performance rating on the Keystone Exams, as detailed below. Each student, at some point, must sit for all components of the state assessment. Individual scores for these assessments are returned shortly after exam is completed. For each of these assessments, there are four possible ratings: Advanced, Proficient, Basic and Below Basic. Each rating has an impact on the student in terms of what happens as a result of that level of achievement.
 - A student who achieves an Advanced or Proficient rating on the required elements of the Keystone Exams shall be eligible to graduate with no additional conditions, provided the 23 credit requirement has also been met.
 - A student who achieves a Basic or Below Basic rating on the required elements of the Keystone Exams will have to complete the Keystone retest in the content areas where scores of Basic or Below Basic were earned. Failure to achieve a Proficient or Advanced score will require a student to be enrolled in a Keystone remediation course.

College Entrance Requirements

Every student should be concerned not only with meeting graduation requirements, but with meeting college and other post-high school education requirements as well. There is a wide variation in the requirements for college admission. The usual college preparation course, however, will include sixteen units of subjects in the fields of English, World Languages, Social

Studies, Science and Mathematics. A college preparatory program should include four college preparatory subjects each year. The highly competitive admissions offices are selecting students who elect the most challenging courses available. Students interested in the highly competitive colleges and universities are encouraged to take the Honors level courses whenever it is possible. The following distribution will satisfy even the most competitive colleges:

English	4
Mathematics (includes algebra, geometry, and trigonometry)	3 to 4
Languages	2 to 3
Science	3 to 4
History	3 to 4
Additional units in any of the fields above	2
Total academic units	20
Electives, preferably in fields other than those listed above	2
Total units	23

To be on the safe side, we strongly urge you to consult the college catalogs for admission information. Contact your counselor about course selection decisions or have some doubts about the decisions you have made. The above information reflects recommended minimum requirements for those who wish training beyond high school. This information was taken from a national publication and should not be confused with Williamsport Area High School graduation requirements. A separate WAHS publication, The College Planning Guide, is available in the counseling offices.

PC Now Dual Enrollment Program

Pennsylvania College of Technology has provided WAHS the opportunity to be enrolled in numerous college level classes for college and high school credit. These course are provided free of charge. Students must enroll at Penn College, and then pass the required entrance exams for the desired course. WAHS will have a process in place for enrollment and testing. These exams vary per course. Failure to pass

the required exams may result in the student being placed into a non-PCT course.

Minimum Promotion Requirements

9 th to 10 th Grade	10 th to 11 th Grade	11 th to 12 th Grade	12 th to Graduate
Successfully Acquire at least 5 credits	Successfully Acquire at least 10 credits	Successfully Acquire at least 15 credits	Acquire at least 23 credits as outlined by WAHS graduation requirements

* Please realize these are only minimum needed credits to move on to the next grade level. **This is not recommended.** Students should work to attain all credits each year.

Commencement Participation

Each member of the senior class is eligible to process on the evening of Commencement only if the student has sufficient credits to qualify for a diploma by the end of the summer session immediately following the senior year. This means that students lacking more than one (1) credit will not be permitted to process on the evening of Commencement. Remember, twenty-three (23) credits (to include required credits in certain areas) must be accumulated in order to qualify for a Williamsport Area High School diploma. If there is any uncertainty regarding your credit status, please contact the appropriate school counselor at your earliest convenience. All students expecting a diploma must also have performed on the Keystone Exam's as described earlier in this handbook.

Early Graduation Requirements for Graduation after the Junior Year:

1. A written request initiated by the student and signed by both student and parent must be made on or before the first day of March of the year prior to that of requested graduation (March of sophomore year).
2. The written request must be submitted to and be approved by the head principal.
3. A student must have earned a minimum of 23 credits and completed all required courses and have maintained an overall

cumulative average of 85 percent or higher in the freshman, sophomore and junior years.

4. The student must show proficiency on their Keystone Exam's by the end of the junior year. Failure to do so will nullify early graduation opportunity.

Delayed Graduation

A student who fails to meet the requirements for graduation from Williamsport Area High School when scheduled may later qualify for his/her diploma under the following conditions:

1. Complete the required make-up in summer school during the summer immediately following the senior year. A maximum of one credit may be completed in summer school.
2. Complete the required make-up in an approved credit recovery program.

Honor Roll

The policy calls for a three-part honor roll structure, which recognizes student achievement on an equal footing at every level of course undertaken. Students would attain "Honor Roll" status during a marking period by earning grades of 85 or higher in every course undertaken; "High Honor Roll" status would come to students earning grades of 90 or better in every course undertaken; "Distinguished Honor Roll" status is earned by those students with a 95 or better in every course during the marking period. The thresholds cited here are for individual course grades each marking period, and not cumulative course averages over more than one marking period. Any grade below 85 in these areas would disqualify a student from honor roll consideration, regardless of the rest of his or her grades.

Career Pathways

In the following sections you will see career pathway clusters. Once you identify an area of interest you should utilize the table to identify courses that will best prepare you for a job-ready or post-secondary future. Please make sure you closely look at the areas, focusing on an area of interest and concentrating on it will help to give you the best potential for future success in the field you desire.

CLASS RANK

Class rank is a procedure by which the quality of a student's work is compared with that of his classmates. It is usually expressed as a fraction. For example, a class rank of 12/450 means that this student is twelfth from the top in a class of 450. At WAHS, class rank is calculated by using a formula which recognizes achievement, challenge and course load.

Achievement is determined by the final grade earned in each course. Challenge is determined by the "difficulty factor," a value assigned to each course to indicate its academic demands. The difficulty factor ranges from a high of 1.4 for Honors/1.45AP courses to 1.0 for those courses that are less demanding academically. Difficulty factors may be found in the listing of course titles. Course load is the total of all credits (courses), including summer school courses, attempted by the student.

A student may improve his class rank by improving his grades, by choosing courses with higher difficulty factors, or by taking more courses. Class rank is calculated at the end of each marking period, and is cumulative, that is, it includes all work done by the student since his entry into high school. Work completed in eighth grade does not count in the calculation of the WAHS class rank. Most colleges require class rank as a part of the admissions process.

WAHS Credit-Bearing Opportunities and their Impact on Class Rank and GPA

(November 15, 2005)

Type of Program or Opportunity	Fulfills Graduation Requirement	Used to Calculate GPA and Class Rank	Other Notes
Any Dual Enrollment Coursework Early or Middle College Coursework, whether taken for enrichment or to fulfill a Graduation Requirement	Yes	Yes (see Letter Grade Conversion Table)	
Approved College Course (or college-provided high school course) required for Graduation	Yes	Yes	Student attends the post-secondary experience on school time during the school year. Student/parent responsible for all costs incurred. The course undertaken is not part of our Dual Enrollment catalog.
Unapproved College Course (or college-provided high school course) taken for Enrichment, not to fulfill Graduation Requirement	No	No	Student/parent responsible for all costs incurred. Course is not part of the WAHS transcript, but will be a matter of record with the post-secondary institute, and would become part of their transcription process
Approved On-line Course to Satisfy Graduation Requirement.	Yes	Yes (see Letter Grade Conversion Table)	Student/parent responsible for all costs incurred. Potential remedy for schedule conflicts. WAHS must offer the course undertaken or its close equivalent in the course catalog. Course will appear as a WAHS transcript record.
Approved College-level Coursework taken either "live" at a college or on-line through an approved post-secondary provider because the student has "max-ed out" a WAHS curriculum through academic acceleration	Yes	Yes (see Letter Grade Conversion Table)	WASD is responsible for tuition only
Any high school level coursework undertaken at a middle school setting	Yes	No	
Any high school level coursework undertaken at the high school setting prior to 9 th grade	Yes	No	
Approved Blended Schools Recovery, COMPASS LEARNING, Coursework	Yes	Yes	Student/parent responsible for all costs incurred for credit-recovery coursework.
Approved Blended Schools, COMPASS LEARNING Grade-level Coursework	Yes	Yes	WASD is responsible for costs associated with this type of specialized, approved coursework.

NCAA COURSE REGULATIONS

Attention student athletes and parents: If participation in college athletics is a possible future consideration, it is important for you to read and understand the following information. If you have any questions about the academic standards, you should contact a high school counselor or call the NCAA eligibility hotline at (877) 262-1492.

In order to participate as a college freshman in Division I or II athletics, the NCAA Initial-Eligibility Clearinghouse must certify a student. Although a student does not begin the certification process before the end of the junior year in high school, he/she begins to meet the eligibility requirements in ninth grade with the courses selected and the grades achieved. Thus, course selection is extremely important.

To be certified by the Clearinghouse, you must:

- 1. Graduate from high school.**
- 2. Division I: The minimum grade-point average in the 16 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index.** (See your high school counselor for more information) The minimum grade point average is based on a core curriculum from at least 16 academic courses, which were successfully completed during grades nine (9) through twelve (12). Only courses that satisfy the NCAA definition of a core course can be used to calculate the NCAA GPA. Williamsport Area High School courses meeting these requirements are listed on the next page. The following chart shows what core courses must be included at a minimum.
- 3. Division II: Earn a grade-point average of at least a 2.0** from a core curriculum in at least 14 academic courses which were successfully completed during grades nine (9) through twelve (12). Only courses that satisfy the NCAA definition of a core course can be used to calculate the NCAA GPA. ***Williamsport Area High School courses meeting these requirements are listed throughout the catalog. The following chart shows what core courses must be included at a minimum.***

NOTE: Must earn an ACT sum score of 68 or combined score, math & verbal of at least 820 on the SAT on a national test date.

	Division I	Division II
English Core	4 years	3 years
Math Core (yr. of algebra <i>and</i> yr. of geometry)	3 years	2 years
Science Core (1 year with lab)	2 years	2 years
Social Studies Core	2 years	2 years
Additional Core courses from English, Math, or Science	1 year	2 years
Additional academic (Core) courses in any of the above (English, Math, Science, Social Studies) or world language, computer science, philosophy or non-doctrinal religion	4 years	3 years
TOTAL CORE UNITS REQUIRED	16	14

Course Change Process

Circumstances under which a course change request might be granted once the school year begins are limited to:

- Lack of prerequisite or necessary academic requirement
- Scheduled for a course that has already been passed
- Scheduled for a repeated course with the same teacher (change must be made within the first week of school)
- Addendum to IEP
- Seniors meeting “Life Experiences” criteria within the one week window to do so
- Students wishing to enrich their schedule, provided eligibility requirements are met
- Any accelerated student in 8th grade from one of the district’s middle schools undertaking a WHS course at the high school may drop the course and return to his/her middle school upon written parental request, and notification of the middle school principal involved.

Circumstances for a course to be considered for drop/add:

- teacher recommendation
- misplacement or prerequisite not met
- student seeks more challenging curricula

Process to complete a course change:

1. Student meets with the school counselor about the course and reviews the circumstances for a proposed course change
 - Identify the root cause of the problem that triggers the change request
 - Counselor gathers input from teachers impacted by proposed change before making final recommendation to administration
2. When students are opting out of higher-level courses, check that scaffolds/supports are provided prior to making a schedule change
3. Teacher/guidance contact parent for input on change – written note of a parent/guardian giving consent is required in order to initiate any change. Both Teachers (Dropped and Added) must sign and agree with change. If there is a disagreement the matter must be resolved or the request is denied.
4. Principal must approve or deny request. This will be based on teacher and counselor feedback. If necessary there may need to be further clarification concerning request.
5. Unless there is a unique circumstance that involves the wellbeing/safety of a student, course changes must be completed before interim progress reports of the first quarter of the course.
6. Waiting Period: After a student has met with their guidance counselor, there will be a two-day waiting period before a change will be made in order to contact all the necessary individuals. When possible the student will observe the course to which they are being added.

Parental consent must be obtained in order to initiate the course change process. Provision of consent does not guarantee that the request will ultimately be granted

Course Descriptions

The information, on the following pages, serves to describe each of the courses offered at the high school and, where appropriate, additional pertinent facts have been listed on a subject-by-subject basis.

The difficulty factor (D.F.) is a value assigned to each course to indicate its academic demands. Difficulty factors are used in calculating class rank. Class rank, in turn, compares the academic quality of a student's work to that of other classmates.

Course Requirements English Department

Four English courses are required, one at each grade level 9-12. Consult with present English teacher for guidance in selecting the proper course.


2015-2016 TYPICAL ENGLISH COURSE SEQUENCING

Year	Academic Sequence	Honors Sequence
9 th Grade	Intro to Lit/Comp I	Eng 9 H
10 th Grade	Intro to Lit/Comp II	Eng 10 H
11 th Grade	American Lit/Comp I	Eng 11 H / AP Eng 11
12 th Grade	British Lit/Comp or Eng 12/PCT English	Eng 12 H / AP Eng 12

ELECTIVE ENGLISH

Personal Communication	Keystone Literature Remediation (Elective)
Journalism(This is an elective but you cannot take it without teacher approval)	

Course Descriptions: English

Course Name and Number	Difficulty Level	Credit	
Intro to Lit/Composition I (00190)	1.2	1.0	
<p>Course Description Introduction to Literature & Composition I develops students' language arts skills in reading, writing, speaking, and listening. The study of literature includes: short story, literary nonfiction, speeches, informational texts, novels, drama and poetry studied within thematic units. The writing program stresses the use of the writing process as students develop their voice and style. In addition, students practice writing and responding to prompts similar to those used on the Keystone Literature exam.</p>			

Course Requirements

Social Studies Department

Four social studies courses are required, one at each grade level 9-12.

2015-2016 TYPICAL SOCIAL STUDIES COURSE SEQUENCING


Year	Academic Sequence	Honors Sequence
9 th Grade	US History	US History H
10 th Grade	Civics and Government	Civics and Government H / AP US Government & Politics
11 th Grade	Modern World History Psych/Soc	AP European / AP Psychology World History (Honors, PCT)/ PCT Psychology/ AP US History
12 th Grade	Global Studies Psych/Soc	AP European / AP Psychology Global Studies H/ World History (Honors, PCT) PCT Psychology/ AP US History

ELECTIVE SOCIAL STUDIES

*Intro to Psychology	*Intro to Sociology
----------------------	---------------------

* Intro to Psychology and Sociology do count for a social studies credit, either .50 individually or together for 1.

Course Descriptions: Social Studies

Course Name and Number	Difficulty Level	Credit	
United States History (10200)	1.2	1.0	
<p>Course Description This course provides a survey of major topics in US History from the 1880s to present. An emphasis will be placed on the social, political, and economic development of the United States. Other themes will include America and the World, Cultural Development, and Geography. Students will use primary documents, biographies, and literature related to the topics covered. An emphasis is placed on reading and writing in the content and historical skill development. This course provides a detailed coverage of United States History designed to meet Common Core Standards and help students develop an understanding of how modern America formed. <i>Grade 9 Social Studies</i></p>			

Course Requirements

Mathematics Department

Four (4) math courses are required for graduation. Our most successful students graduate with four math courses, making their transcripts much more competitive as they seek admission to post-graduate school or as they enter the workplace.


2015-16 TYPICAL MATH COURSE SEQUENCING

Year	Academic Sequence	Honors Sequence
9 th Grade	Algebra 1 *	Algebra 2H
10 th Grade	Algebra 2	Geometry H
11 th Grade	Geometry	PreCalc/Trigonometry H/PCT Math 124/125
12 th Grade	Trigonometry/PCT Math/Statistics/ Career Mathematics/Alg III	AP Calculus 1 / AP Calculus 2 /AP Statistics

* Students will be required to take end-of-course Algebra 1 Keystone Exam.

MANDATORY MATHEMATICS FOR CERTAIN STUDENTS: Algebra II w/Keystone Remediation (elective)

Course Descriptions: Mathematics

Course Name and Number	Difficulty Level	Credit	
Algebra I (20110)	1.2	2.0	
<p>Course Description Algebra I is the study of the basic structure of algebra from real numbers through functions and relations. The major topics of this first year course are operations with real numbers and variables, the structure of our number system, the solution and graphing of equations and inequalities, systems of linear equations, operations with polynomials, and the concepts of functions and relations, and data analysis.</p>			

Course Requirements

Science Department

Three (3) science courses are required for graduation with at least one course being completed per year. However, it is strongly recommended that students planning to major or work in a science, technology, engineering, or math (STEM) related field schedule at least one science course during each year of high school. A well-rounded science education includes taking courses in a wide range of science disciplines including the life sciences, the physical sciences, and the Earth sciences.


RECOMMENDED ACADEMIC AND HONORS SCIENCE COURSE SEQUENCES

Year	Academic Sequence	Honors Sequence
9 th Grade	Integrated Science	Biology I H
10 th Grade	Biology I	Chemistry I H
11 th Grade	Chemistry I	Elective Science
12 th Grade	Elective Science If Desired	Elective Science

ELECTIVE SCIENCES

Anatomy/Physiology	AP Environmental Science	Aquarium Science	Topics of Science
AP Biology	AP Physics 1	Astronomy/Meteorology	
AP Chemistry	AP Physics 2	Physics I H	

Course Descriptions: SCIENCE

Course Name and Number	Difficulty Level	Credit	
Integrated Science (30080)	1.2	1.0	
<p>Course Description The goal of this course is to provide students with an introduction to fundamental topics within the fields of biology and chemistry. This course will focus on biological principles that include the cell, cell processes, classification, and ecology. The course will also focus on various chemistry topics that include properties of matter, atomic structure, macromolecules, chemical bonding, and the periodic table. This course will encourage students to investigate the physical world around them through various laboratory activities and applications of the scientific method. Successful completion of this course will prepare students for future science courses including biology, chemistry, and physics.</p>			




Course Requirements

World Languages Department

World Language Department

All World Language courses are sequential and elective in nature. The student enters the program with a Level I course. Upon completion of Level I, the student should consult with the instructor in order to determine proper placement for the second level course. The student who wishes to take courses at Levels III or IV must successfully complete Level II Academic and obtain the approval of the Level II instructor.

Course Descriptions: WORLD LANGUAGES

Course Name and Number	Difficulty Level	Credit	
German I (50100)	1.2	1.0	
Course Description			
German I is a course in which students are introduced to the target language through a whole language approach. All four-language skills - listening, speaking, reading, and writing - are presented to ensure balanced development. The student will learn the language through authentic cultural and sociological contexts. Grammatical items are presented in meaningful context so that grammar is not an end to itself, but rather a vehicle through which students can discuss freely a given topic in the language.			
Course Name and Number	Difficulty Level	Credit	
Spanish I (50200)	1.2	1.0	
Course Description			
Spanish I is an introduction to the language in which speaking and listening language skills are emphasized. Grammar basics, lists of common vocabulary and useful expressions are learned, and Hispanic cultural characteristics will be a focus of the course as well. Oral and written practice and evaluations will be used, including student oral presentations to the class. Please refer to the World Language brochure for further details of the course, and to be sure your goals and commitment to learn the language are aligned with those of the class.			
Course Name and Number	Difficulty Level	Credit	
Latin I (50410)	1.2	1.0	
Course Description			
Latin I introduces the basic grammatical structure of the Latin language through a reading-based approach using Ecce Romani I. The course emphasizes the acquisition of fundamental vocabulary and its English derivatives, the cultural and mythological heritage of Rome, and the early history of the Roman Republic.			

Course Requirements

Career & Technical Education Department

As students progress through high school, it is important to do so with a goal of planning for a successful career. Most careers today require technical training. Williamsport Area High School students can prepare for college or career with Career & Technical Education (CTE) programs. CTE programs are approved by the Pennsylvania Department of Education.

N O T E: In cases where enrollments are limited in CTE courses, preference will be given to students who have selected a related occupation on their career objective.

FINANCIAL LITERACY & CAREER PATHWAYS		
COURSE NAME	D.F.	CREDIT
Career Pathways/ Financial Literacy (9110X)	1.0	0.50
<p>This course is designed to provide 9th grade students with tools to maximize their success in high school. Half of the course will focus on Career Pathways, and the second half will focus on developing a student’s understanding of financial literacy</p> <p>Career Pathways Students will explore career concepts and perform personal inventory assessments, detailed career explorations, investigate WAHS Pathways opportunities, CTE programs of study, and course selections. A second unit will provide students with best practice strategies for high school success and lifelong learning. The course will include “The 7 Habits of Highly Effective Teens”.</p> <p>The curriculum will be presented with a focus on information technology. Students will utilize and learn a variety of software applications, Internet tools, and Internet resources, increasing their skillset for future success.</p> <p>Financial Literacy This course takes the essential principles of personal finance and makes them accessible and applicable to today’s students. All students will develop skills and strategies that promote personal and financial responsibility. Units will focus on areas such as money management, spending and credit, protecting your credit, debt management, and saving. The course makes use of a number of resources aligned with National and Pennsylvania standards. The course will culminate in an activity that synthesizes the student’s financial awareness, and personal career planning.</p>		

COURSE NAME	D.F.	CREDIT
Computer Applications I (40071)	1.1	.50
<p>Computer Applications I is a hands-on course that teaches students the power (and tricks) to Microsoft Word, Excel and PowerPoint. This is a “learn by doing” experience. Students will work on exercises and projects to master the tools of the applications in the lab. These tools that you will learn will help you in many other classes and in life!</p> <p><i>Recommended Grades: 9th- 12th</i></p>		

COURSE NAME	D.F.	CREDIT
Computer Applications II (40072)	1.1	.50
<p><i>Computer Applications II</i> is a half-year course that will compliment <i>Computer Applications I</i>. The course will continue with more advanced Microsoft Word exploration. Students will also learn other programs of Microsoft Office Suite, including Access and Publisher to become skilled at using a database and completing desktop publishing activities. Additionally, students will create their own movies using the program Movie Maker.</p> <p><i>Recommended Grades: 9th-12th</i></p> <p><i>Prerequisite(s): Successful completion of Computer Applications</i></p>		

COURSE NAME	D.F.	CREDIT
Intro to Graphic & Digital Design (9194X)	1.0	.50
<p>Emphasis will be placed on learning the elements and principles of design, basic drawing skills, color, typography and creativity. Students will be introduced to the basic components of Adobe's graphic design software <i>Recommended grades: 9th</i></p>		

COURSE NAME	D.F.	CREDIT
Intro to Engineering & Robotics (91150)	1.0	0.50
<p>This course is designed to introduce students to the different topics that are covered in the Engineering and Robotics Program of Study. Topics covered include: engineering career choices, robotics, microcontrollers, PLC programming, drafting, motor control, measurement, and basic electrical theory. <i>Prerequisite(s): Successful completion of Algebra I</i> <i>Recommended grade(s): Grade 9th.</i></p>		

COURSE NAME	D.F.	CREDIT
Introduction to Horticulture/Landscaping (9245X)	1.0	0.50
<p>This course offers instruction in the basic components of the horticultural industry. This includes: greenhouse production, landscaping, hard-scaping and floral design. <i>Recommended Grade: 9th</i></p>		

COURSE NAME	D.F.	CREDIT
Intro to Precision Machining (9270X)	1.0	0.50
<p>This introduction class is a short-term opportunity for students to gain the advantage of having a year of experience in the shop prior to entering L1 Precision Machining. Students will learn the basics of how to use grinders, operate lathes and milling machines, cut metal with a torch, hammer iron as blacksmiths do, etc. Each year we make a different set of projects- but generally students are encouraged to be creative and apply what they've learned toward making projects that are personally rewarding and interesting. <i>Recommended Grades: 9th</i></p>		

Fine and Performing Arts Department

COURSE NAME	D.F.	CREDIT
Freshman Choir (60140)(60280)(60290)	<i>1.0</i>	<i>1.0</i>
<p>The Freshman Choir is designed to prepare students for the following choirs: Men's Choir, Women's Choir, Concert Chorale, and Concert Choir. Students wishing to participate in both instrumental and choral ensembles will be shared on a rotating basis. The ensemble concentrates on the essentials of choral singing which include: tone, vowel placement, changing voice, ensemble singing, leadership, blend, dictation, dynamics, posture, and musicianship.</p>		

COURSE NAME	D.F.	CREDIT
Freshman Orchestra (60260)	<i>1.0</i>	<i>1.0</i>
<p>The Freshman Orchestra is designed to prepare students for the Symphony and Concert Orchestras. The ensemble concentrates on the essentials of fine string playing with special emphasis on correct right and left hand positions, bowing, vibrato, and tone development. All students are given the opportunity to gain experience in Strolling Strings at an introductory level. Ninth grade students wishing to participate in both instrumental and chorale ensembles will be scheduled into Performing Music. The students will be "shared" on a rotating basis by both the choral and instrumental teachers.</p>		

COURSE NAME	D.F.	CREDIT
Freshman Band (60190)	<i>1.0</i>	<i>1.0</i>
<p>The purpose of the freshman band is to develop and refine the basic individual and ensemble skills that will permit them to pursue the finest in advanced band literature. This is an important year of musical growth and activity to help the students' bridge from the middle school to the high school ensemble. Ninth grade students wishing to participate in both instrumental and chorale ensembles will be scheduled into Performing Music. The students will be "shared" on a rotating basis by both the choral and instrumental teachers.</p>		

Course Descriptions: Drama and TV Production

COURSE NAME	D.F.	CREDIT
Drama I (00711)	<i>1.0</i>	<i>.50</i>
<p>Drama I is an activity-oriented course that offers an introductory look at the fascinating world of theater. The course includes improvisation; pantomime, voice development, stage etiquette and basic play production. Through participation, students will have opportunities to increase their abilities to observe, to imagine, to respond, and to develop both body and vocal expression in an open, supportive environment. Enrollment will be limited if demand exceeds available resources.</p>		
COURSE NAME	D.F.	CREDIT
Drama II (00722)	<i>1.0</i>	<i>.50</i>
<p>Drama II is an exciting continuation of the creative dramatic work introduced in Drama I. Students will explore the "play" from various perspectives. Activities will include advanced character development, specific acting techniques, play writing, directing, and technical theater. The "hands-on" approach of this class builds responsibility and maturity in students as they grow in their understanding and appreciation of theater.</p> <p>Enrollment will be limited if demand exceeds available resources. <i>Prerequisite(s): Successful completion of Drama I</i></p>		

Visual Arts Department

Course Descriptions: Visual Arts

COURSE NAME	D.F.	CREDIT
Two-Dimensional Visual Arts I (71510)	<i>1.2</i>	<i>1.0</i>
Introduction to Visual Arts 2D is designed as a general course in two-dimensional visual art. Emphasis will be placed on the Elements and Principles of Design, sketchbooks, drawing, painting and printmaking skills and techniques.		
COURSE NAME	D.F.	CREDIT
Three-Dimensional Visual Arts I (71600)	<i>1.2</i>	<i>1.0</i>
Introduction to Visual Arts 3D is designed as a general course in 3D visual art. Emphasis will be placed on the Elements and Principles of Design, sketchbooks, drawing, pottery, sculpting and jewelry.		
COURSE NAME	D.F.	CREDIT
Photography & Digital Media I (71650)	<i>1.2</i>	<i>1.0</i>
Introduction to Visual Art P & DM is designed as a general course in Photography and Digital Media visual art. Emphasis will be placed on the Elements and Principles of Design, drawing, history of photography, photography and Photoshop.		

Course Requirements

Health and Physical Education Department

Health and Physical Education Department

It is a graduation requirement that each student is required to complete the prerequisite semester of Physical Education 01 and successfully complete Health 01. After completion of those requirements they must complete EITHER an additional Physical Education course (PHYS ED 03, 04, 05, 06) or Health 02.

After these requirements are met a student is encouraged to take additional Physical Education or Health Education courses as an elective.

Course Descriptions: Physical & Health Education

Physical Education Philosophy

To prepare all students with a variety of movement experiences that will lead to an active and healthy life.

Overview

Physical Education (PE) contributes to the physical, intellectual, social and emotional well being of the student. Our curriculum is devoted to purposeful instruction in progressive activities to promote a positive self-concept through fitness, sport, and lifetime recreational pursuits. Each student is able to achieve success according to his/her ability. Participation and involvement are required at all levels. Health related fitness is the goal for all students. The curriculum intent is to provide students of all abilities and interests with a variety of movement experiences that will lead to an active and healthy life. Activities are taught in a coeducational environment. Students needing adapted physical education are scheduled into a program tailored to their needs.

COURSE NAME	D.F.	CREDIT
Physical Education 01 (9091X)	<i>1.0</i>	<i>.50</i>
<p>PERSONAL FITNESS/BASIC AQUATICS</p> <p>Physical Education 01, a freshman only course, is the fundamental course that serves as a prerequisite for the remainder of the Physical Education course selections. Students will be introduced to a variety of activities including team and individual sports. This course focuses on the understanding and implementation of personal fitness concepts. Strength training, aerobic conditioning, and functional training are improved through daily training and assessed using a variety of fitness tests. Finally, the course will allow students to become proficient in aquatics skills. An emphasis is placed on execution of basic swimming strokes, open water survival, and diving. (Fitness Walking, Jogging, Functional Training/Flexibility and Fitness Testing, Core Strengthening, Plyometrics, Soccer, Tennis, Table Tennis, Strength Training, Flag Football, Speedball, Beginning and Advanced Swimming Strokes, Water Aerobics, Aerobic Swimming, Concepts of Physical Fitness, Team Handball, Badminton, Diving, Circuit Training) Concepts will be reinforced through appropriate content reading and writing.</p>		
COURSE NAME	D.F.	CREDIT
Physical Education 05 (9095X)	<i>1.0</i>	<i>.50</i>
<p>TEAM SPORTS</p> <p>Based on the knowledge and skills gained from Physical Education 01, students will continue to develop techniques, skills, and strategies that are associated with a team sport activity. The emphasis is on the team concept and self-refereeing/regulating a team game cooperatively with other students. Probable units of instruction include but are not limited to the following: basketball, flag football, lacrosse, soccer, softball, speedball, team handball, Ultimate Frisbee, volleyball, water polo/water games, aerobic ball, Tchoukball, Eclipse Ball, floor hockey, cooperative games. Concepts will be reinforced through appropriate content reading and writing.</p> <p>*PE 05 may be of interest to students who like competitive sports, high-energy games, and athletic team activities.</p>		

COURSE NAME	D.F.	CREDIT
Physical Education 06 (9096X)	1.0	.50
<p>PERSONAL FITNESS AND CONDITIONING Students will review fitness topics and concepts that were introduced in Physical Education 01. New concepts of fitness training and exercises will be explored in order to build the foundation necessary to design and implement a personal fitness and strength program. A variety of fitness activities will be practiced and performed in venues besides the WAHS weight room throughout the semester; including the swimming pool. Basic human anatomy, fitness safety, proper training form and technique will be stressed in this course. Students will also utilize fitness equipment such as free weights, machine weights, kettle bells, body bars, dumbbells, stability balls, and resistance bands in addition to other bodyweight, plyometric, and agility training activities. Training activities include fitness walking, step aerobics, jogging, yoga, aquatic conditioning, and Pilates, which will round out the content of this course. Student progress will be monitored with a selection of fitness tests and evaluations while reinforcing these concepts through appropriate content reading and writing activities.</p> <p>*Students who are interested in strength training, body toning, fitness careers, athletic cross training and fitness program development may be interested in PE 06.</p>		

Health Education Philosophy

Provide all students with the skills and knowledge to consistently practice behaviors that promote lifelong health and well being, to use quality health care services effectively, and to promote the health of others, the community and environment.

COURSE NAME	D.F.	CREDIT
HEALTH 01 (9085X)	1.0	.50
<p>Health Enhancing Behaviors and Risk Reduction A course encompassing many topics important to teenagers as identified by the CDC's Six Adolescent Risk Behaviors: alcohol and drug use, injury and violence, tobacco use, nutrition, physical activity, and sexual behaviors. The course topics include: Nutrition, Drug & Alcohol, Human Sexuality, and Violence Prevention and Wellness and Consumer and Personal Health. A strong emphasis will be placed on the goal setting and decision making skills.</p> <p><u>Nutrition</u> Students will analyze factors that impact nutritional choices and assess their diets to develop plans for improvement. Other nutrition topics include: eating disorders, fad diets, fast food analysis, portion sizes and nutrition labels.</p> <p><u>Drug & Alcohol</u> Students will explore current trends in drug and alcohol use. They will analyze prevention, intervention and treatment strategies in relation to adolescent and adult drug use. Analyzing influences, interpersonal communication, decision making and goal setting skills will be implemented and practiced.</p> <p><u>Human Sexuality</u> In this unit, students will understand human anatomy and reproduction. They will also learn how to apply protective/preventative strategies related to teen pregnancy and sexually transmitted infections. Teen relationships/dating and decision-making skills will be explored.</p> <p><u>Violence Prevention</u> Students will analyze and apply strategies to avoid or manage conflict and violence during adolescence. They will learn how to practice using decision-making strategies to solve problems, analyze influences, practice goal setting, demonstrate interpersonal communication skills, access information and advocate for non-violent outcomes when solving conflicts.</p> <p><u>Wellness and Consumer & Personal Health</u> Students will explore the relationship between health and wellness. There is a connection between lifestyle choices and lifestyle diseases that students will examine as well as listing health habits that they can adopt to maximize their wellness. Students will learn how goal setting, motivation, and personal choice can improve health and prevent disease. Also included are healthy consumer choices, health care provider services, and health related information and products</p>		

COURSE NAME	D.F.	CREDIT
HEALTH 02 (9086X)	1.0	.50
<p data-bbox="175 174 787 212">Personal, Family and Community Health</p> <p data-bbox="175 216 1490 447">This class builds sequentially from the content in Health 01. A variety of topics identified by the CDC's Adolescent Health Risk Behaviors as current issues facing teen and adult health will be included. These topics include: Stress Management, First Aid & CPR/AED, Family Living, Current Health Topics, and an exploration of skills to prepare students who are interested in health related careers. A variety of teaching techniques will be used which involve maximum participation by the student. There will be a concentrated focus on the following skills: core concepts, accessing valid health information, analyzing influences, interpersonal communication, self-management, goal setting, decision making, and advocacy.</p> <p data-bbox="175 478 418 510"><u>Stress Management</u></p> <p data-bbox="175 514 1453 611">This is an insightful unit in which students will reflect upon themselves and identify their stressors, signs of stress and positive ways to cope with stress. Students will describe how the nervous, hormonal, and immune systems respond to stress. They will also practice relaxation techniques to help manage stress.</p> <p data-bbox="175 642 451 674"><u>First Aid & CPR/AED</u></p> <p data-bbox="175 678 1466 842">Students will be trained and offered certification through the American Red Cross Adult CPR/AED and Standard First Aid courses taught by health teachers at the high school who are authorized instructors. Upon successful completion of the required written and skill-based testing, students may purchase their certification cards issued by the American Red Cross. Regardless of purchasing the certification cards, all students will receive the content and skills for certification.</p> <p data-bbox="175 873 354 905"><u>Family Living</u></p> <p data-bbox="175 909 1469 1073">This unit builds upon students' existing knowledge of human sexuality, including anatomy, reproduction, and protective/preventative strategies related to teen pregnancy and sexually transmitted infections. In addition, students will study the process of pregnancy and birth. They will discuss the responsibilities of being a parent and evaluate their goals and decisions for a healthy and productive future. Goal Setting skills will encourage realistic strategies towards becoming a healthy sexual adult.</p> <p data-bbox="175 1104 451 1136"><u>Current Health Topics</u></p> <p data-bbox="175 1140 1490 1304">The focus will be improving health literacy. Current Health Topics will be explored along with skills to prepare students who are interested in health related careers. A variety of teaching techniques will be used which involve maximum participation by the student. There will be a concentrated focus on the following skills: core concepts, accessing valid health information, analyzing influences, interpersonal communication, self-management, goal setting, decision making, and advocacy.</p> <p data-bbox="199 1308 1052 1339"><i>Prerequisite(s): Must achieve a passing grade of 70% or above in Health 01</i></p>		