

CATASAUQUA HIGH SCHOOL

HOME OF THE ROUGH RIDERS

Career PLANNING GUIDE

2026 - 2027 ACADEMIC YEAR

A MESSAGE FROM THE ADMINISTRATION



Dear Catasauqua High School Students and Families,

Thank you for taking the exciting first step toward shaping your future! We are thrilled to welcome you to the Catasauqua High School Career Planning Guide, an essential tool in helping you navigate the journey ahead. This guide is not just a set of instructions; it's a roadmap for making informed, personalized decisions that will set you on a path toward success, both during high school and beyond.

Each decision you make plays an important role in unlocking new educational and career opportunities. While there are required courses to ensure your academic foundation is solid, this is also a time to reflect on your personal goals, interests, and strengths. Your choices for next year should reflect not just what you need to achieve, but what excites you, challenges you, and inspires you to grow.

As you explore your options, we encourage you to have open discussions with family, friends, mentors, teachers, and counselors. These conversations are invaluable as you weigh your options and consider how each course aligns with your long-term vision. Remember, we're all here to support you in making the decisions that will best serve your goals and aspirations.

High school is a unique and transformative experience. We understand that it's not only about the classes you take, but how those experiences help you discover who you are and where you want to go. So, take your time, explore your options, and know that with the right support, you have everything you need to thrive. Together, we'll make sure the choices you make today set you up for a bright and fulfilling tomorrow.

Sincerely,

A handwritten signature in black ink, appearing to read "David Todd".

David Todd,
Principal

A handwritten signature in black ink, appearing to read "Joseph C. Henrich".

Joseph Henrich,
Assistant Principal

OUR COMMITMENT

At Catasauqua High School, we are committed to fostering the development of character, responsible citizenship, and a strong work ethic in every student. We strive to ensure that all students achieve mastery of academic standards through a dynamic and rigorous curriculum aligned with the Common Core.

We believe that lifelong learning is essential for success in today's rapidly changing global society. To support this, we offer all students the opportunity to explore various career pathways and discover their individual strengths and passions.

Our school provides ample opportunities for students to engage in extracurricular activities, helping them develop their athletic, artistic, intellectual, and social skills. Education is a shared responsibility—between the school, students, parents, and the community—and we work together to create an environment where all students can thrive.

Each student is responsible for their own learning, supported by the right guidance, structure, and a safe, nurturing environment. Communication between students, staff, and the community is key to our success, and we encourage open dialogue to strengthen these connections.

We value educational and cultural diversity, and are dedicated to fostering understanding and respect among all groups. Our unique traditions create a strong sense of community and pride, uniting our students and citizens in the shared goal of growth, achievement, and excellence.

CASD MISSION

The mission of the Catasauqua Area School District, in partnership with our community, is to achieve educational excellence and promote lifelong learning. (As approved by the Catasauqua Area School Board)

EQUAL OPPORTUNITY (NONDISCRIMINATION) POLICY

The Catasauqua Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, gender, and handicap in its activities, programs, or employment practices as required by Title VI, VII, Title IX, and Section 504. For information regarding civil rights or grievance procedures, contact Mr. Eric Dauberman, Title IX Coordinator, Section 504 Coordinator, at 201 North Fourteenth Street, Catasauqua, PA 18032; phone 610-264-5571. For information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact Mr. Eric Dauberman, Assistant Superintendent, at 610-264-5571.

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Mr. Joseph Henrich, Assistant Principal

Mrs. Kellie Browne, High School Administrative Assistant
Mrs. Carol Chorones, High School Administrative Assistant
Mrs. Stephanie Ritter, High School Administrative Assistant

CATASAUQUA HIGH SCHOOL GUIDANCE OFFICE

Mrs. Tara Roseman, Guidance Counselor (Classes of 2028 & 2030)
Mrs. Stephanie Covelle, Guidance Counselor (Classes of 2027 & 2029)

Mrs. AnneMarie Hartranft, Guidance Office Administrative Assistant

CATASAUQUA HIGH SCHOOL ATHLETIC OFFICE

Mr. Thomas Moll, Athletic Director

Mrs. Kawaunna Waldron, Office Clerk to the Athletic Director

CATASAUQUA HIGH SCHOOL RESOURCE OFFICER

Officer Michael Renner, Student Resource Officer

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INTRODUCTION TO THIS GUIDE

This *Career Planning Guide* has been developed to aid each Catasauqua High School student and his/her parents/guardians in choosing the best program of studies consistent with individual goals and abilities.

A student's choice of subjects should be strongly influenced by his/her future educational, vocational, and career plans. The student's decision should be realistic in order to ensure personal satisfaction and success.

During the process of scheduling orientation and course registration, our School Counselors provide small group presentations and meet with students about their individual choices, as requested by the student. We would like to strongly encourage parents/guardians to become involved in their son/daughter's educational choices. Knowledge of Catasauqua High School's educational offerings, as presented with this "Guide" should assist both students and parents/guardians in making accurate and careful decisions on the most appropriate courses for the student. Please remember, too, that faculty input will help in your decision-making process, especially if the student is undecided about the type of curriculum to choose or the difficulty and specific content of a course.

GRADUATION REQUIREMENTS

The graduation requirements at Catasauqua High School ask that students successfully earn 26 total credits to graduate. Some of these credits must be taken in specific curricular areas, according to the Pennsylvania Department of Education (PDE) and the Catasauqua Area School District. The following minimum courses and credits are required to earn a Catasauqua High School diploma:

Curricular Area	Credits
English	4.0 credits
Social Studies	3.0 credits
Mathematics	4.0 credits
Science	3.0 credits
Health & Physical Education	2.0 credits
Personal Finance Career Skills	0.5 credit 0.5 credit
Elective Course(s)	9.0 credits
Other Responsibilities	• Career Portfolio artifact collection (PASS/FAIL) ◦ Complete by the end of the junior year • Meet a Keystone Graduation Pathway (ACT 158) ◦ Complete by the end of the senior year

CATASAUQUA HIGH SCHOOL SUGGESTED COURSE SEQUENCE

CONTENT AREA CREDIT REQUIREMENTS	SUGGESTED COURSE SEQUENCE			
	9th Grade	10th Grade	11th Grade	12th Grade
MATHEMATICS Required: 4.0 Credits	-Pre-Algebra & Algebra 1	-Geometry Applied -Geometry CP	-Algebra 2 CP -Int. Math Capstone	-Int. Math Capstone -Consumer Math
	-Algebra 1 CP	-Geometry CP -Geometry Honors	-Algebra 2 CP -Algebra 2 Honors	-Trigonometry CP -Trigonometry Honors -Integrated Math Capstone -Consumer Math
	-Algebra 2 Honors	-Geometry Honors -Trigonometry CP -Trigonometry Honors	-AP Pre-Calculus -Honors Pre-Calculus	-Calculus Honors -AP Calculus AB
ENGLISH Required: 4.0 Credits	-English 1 -English 1 Honors	-English 2 -English 2 Honors	-English 3 -English 3 Honors	-English 4 -English 4 Honors -AP Literature & Composition
SCIENCE Required: 3.0 Credits	-Physical Science -Physical Science Honors	-Biology -Biology Honors	-Chemistry -Chemistry 1 Honors -Chemistry 2 Honors -Physics Honors -Anatomy & Physiology Honors -Astronomy	-Botany & Zoology -Earth Science -Environmental Science -Marine Biology -Meteorology
SOCIAL STUDIES Required: 3.0 Credits	-American History 2 -American History 2 Honors	-World Cultures -World Cultures Honors	-American Government -American Government Honors	-Current Events for the Global Citizen -History of Sports -Intro to Psychology -Intro to Sociology -World Geography -WW2 & The Holocaust
HEALTH & PHYSICAL EDUCATION Required: 2.0 Credits	-Wellness / Fitness	-Team Sports or -Personal Fitness	-Team Sports or -Personal Fitness	-Team Sports or -Personal Fitness
PERSONAL FINANCE Required: 0.5 Credits			-Personal Finance	
CAREER SKILLS Required: 0.5 Credits			-Career Skills	
ELECTIVES Required: 9.0 Credits	-Freshman Focus: Success -Core Courses above the required number of courses -Creative Writing, Journalism, and courses in the Art, Business, Computer Science, Family and Consumer Science, Health & Physical Education, Music, and World Language Departments			

Pennsylvania Pathways to Graduation

Keystone Proficiency Pathway *Numeric or Non-Numeric Scores*

Algebra I
Proficient or Advanced

Biology
Proficient or Advanced

Literature
Proficient or Advanced

Keystone Composite Pathway *Numeric Scores Only*

At least 1 Keystone Exam scaled score is
1500 or Greater

No Keystone Exam score is
Below Basic

The Keystone Exam 3-score composite is
4452 or Greater
The Keystone Exam 2-score composite is
2939 or Greater
(where eligible under §121.1)

CTE Concentrator

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

CTE Concentrator

1 Artifact from pathway criteria

Alternative Assessment

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

Alternative Assessment

1 Artifact from pathway criteria

Evidence-Based Pathways

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

Evidence-Based

3 Artifacts from pathway criteria

Waiver

A student in 12th grade, or experiencing extenuating circumstances, who meets locally established grade-based requirements for Keystone content area(s) in which the student is less than proficient, and is unable to satisfy the requirements of a graduation pathway may be granted a waiver by the chief school administrator.

Individualized Education Plan

A student with a disability who is unable to satisfy pathway requirements but who satisfactorily completes a special education program is granted a diploma under Title 22 §4.24.

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
Industry-based competency certification Likelihood of industry-based competency assessment success Readiness for continued engagement in CTE Concentrator program of study	Attainment of one alternative assessment score or better: ACT (21), ASVAB AFQT (31), PSAT/NMSQT (970), or SAT (1010) Attainment of Gold Level or better on ACT WorkKeys Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient Attainment of 4 or better on IB Exam(s) related to each Keystone content area in which less than Proficient Successful completion of concurrent enrollment course(s) related to each Keystone content area in which less than Proficient Successful completion of a pre-apprenticeship program Acceptance into accredited, non-profit Institution of Higher Education (IHE) 4yr program for college-level coursework	Section 1 Attainment of 630 or better on any SAT Subject Test Attainment of Silver Level or better on ACT WorkKeys Attainment of 3 or better on any AP Exam Attainment of 3 or better on any IB Exam Successful completion of any concurrent enrollment or postsecondary course Industry-recognized credentialization Acceptance into accredited, non-profit Institution of Higher Education (IHE) for college-level coursework in an other-than-4yr program Section 2 Attainment of Proficient or Advanced on any Keystone Exam Successful completion of a service-learning project Letter guaranteeing full-time employment or military enlistment Completion of an internship, externship, or cooperative education program Compliance with NCAA Division II academic requirements

SCHEDULING PROCESS

Course selection is a very important activity for a high school student. The selection of courses and areas of concentration should be a combined effort involving the student, parent/guardian(s), and school staff. A student's core curriculum teacher will be required to initial/approve course requests for sequential coursework, especially for a more rigorous course. This process attempts to ensure proper placement in courses best suited to the student's interests and abilities. Students are encouraged to consult with their counselor to review their course selections with insight towards meeting all graduation requirements, both locally and state-mandated.

Directions/Scheduling Guidelines:

- Students should request a minimum of 8 credits
 - Exception: seniors with less than 8 credits required for graduation (credit minimum = 4.0)
 - Senior Waiver eligibility:
 - Must be in good standing with your graduation requirements
 - Access to self-provided transportation and parent/guardian approval
 - NOTE: The timing of a waiver (i.e. at the beginning of the day or at the end of the school day) is dependent on scheduling the classes you NEED to take to meet all of your graduation requirements.
- All scheduling changes (i.e. drop/add, errors, conflicts, etc.) must be processed through the School Counseling Office. Schedule change requests must be made via email to your School Counselor within the first ten (10) days of the school year (or in the summer prior to the start of school).
- Course withdrawals requested and approved after the tenth school day are subject to a "WP" (withdrawn passing) or "WF" (withdrawn failing) on the student's *Official High School Transcript*.
- Course selection should not be based on the current instructor of a course.
- Course rigor (i.e. Applied/CP/Honors/AP) recommendations are subject to the following criteria:
 - A student must have a 90% (pre-multiplier) or better average for the duration of a course to be considered as a candidate for course rigor promotion (i.e. Applied to CP, CP to Honors or Honors to AP).
 - Other considerations for Honors or AP placement: regularly meets deadlines, effective study habits, contributes to class discussion, demonstrates an independent work ethic, regular school attendance, and makes up missed assignments in a timely fashion.
 - Students must maintain an 80% (pre-multiplier) average or better to remain in a CP/Honors/AP course when scheduling for the next school year.
 - *Applied* rigor courses do not meet NCAA Eligibility criteria
- Course requests on a scheduling form serve as requests only and are not a guarantee of course enrollment.

Every attempt will be made to give students the courses they select, or if necessary, the alternate courses designated. Several factors can restrict what can actually be offered in the student's schedule; for example (but not limited to) teacher availability, facility limitations, budgetary considerations, schedule conflicts, class size, and student interest. The burden of responsibility falls on the student to complete their *Course Registration Form* in the High School's student information system (i.e. PowerSchool). *Failure to submit one's course requests in a timely manner will result in the student's school counselor completing the process, and course enrollment may not be changed as a result.* Moreover, the student will be required to accept the schedule established that has been created for them.

This *Career Planning Guide* attempts to provide a description of all courses offered by Catasauqua High School. However, not all courses may be offered during one school year/semester. CHS reserves the right to cancel or postpone courses due to insufficient enrollment, lack of physical facilities, and/or staffing availability.

DUAL ENROLLMENT COURSES

Students seeking a more challenging curriculum have the opportunity to participate in dually enrolled coursework, whereby the student earns both high school and college credit. Dual enrollment courses may be accessed through a variety of ways:

1. **With a Catasauqua High School teacher (i.e. in-house)** offering a course for dual enrollment.
2. **With a post-secondary staff member** teaching the course online (typically asynchronously).
3. **On a college campus**, attending classes alongside college students.

These courses can be taken as part of a student's normal schedule. Successful completion grants high school credit (typically 1 CHS credit per course) and college credit (typically 3 college credits), which may transfer to many colleges throughout Pennsylvania.

Online dual enrollment courses through LCCC (and other colleges) are also available with prior approval from the student's School Counselor and Principal. Availability depends on post-secondary schedules.

Dual Enrollment courses may also fulfill Act 158 graduation requirements through either the Alternative Pathway or the Evidence-based Pathway. Students should meet with their counselor to learn more about opportunities and course selection.

ELECTIVES

In addition to the required courses needed for graduation, students may choose from a wide range of elective offerings. Elective courses allow students to tailor their academic experience to match their individual interests, strengths, and future goals.

When selecting electives, students are encouraged to consider courses that support their career and postsecondary plans. Elective options include World Language, Business, Family and Consumer Sciences, Art, Music, and Wellness/Fitness. Students may also choose elective courses offered by the English, Social Studies, Mathematics, and Science departments (subject to availability) to further explore academic or career interests.

INDEPENDENT STUDY

All independent study programs must be supervised by a faculty member and receive prior written approval from the building principal and/or school counselor. Requests should be submitted to the school counselor during the regular course registration period for the upcoming school year. Credit will be awarded only when an approved independent study contract is on file in the Counseling Office. Grades will be issued each marking period, and a final grade will be recorded on the student's official high school transcript.

SPECIAL EDUCATION

Programs are available to support students who require additional assistance in developing academically, socially, and vocationally. These supports may include access to the P.A.E.S. (Practical Assessment Exploration System) lab and participation in work-based learning experiences designed to build employability and life skills. Students identified for these services who are interested in career and technical education are also encouraged to explore the many programs offered through LCTI.

Students participating in these programs should meet annually with their case manager to determine appropriate coursework and ensure their educational plan aligns with their individual goals and needs.

GIFTED SERVICES

Gifted support services are available to students who qualify through the Multidisciplinary Evaluation (MDE) process. The Catasauqua Area School District provides gifted support for identified students in kindergarten through grade twelve and conducts screenings for students who may be eligible for gifted services or academic acceleration.

A variety of gifted support options are offered based on individual student needs and outlined in the Gifted Individualized Education Plan (GIEP). These options may include enrichment activities, accelerated coursework, independent study opportunities, and special interest groups designed to promote advanced learning.

GRADING SYSTEM

Students receive numerical grades for each course, with corresponding letter-grade equivalents. These grades reflect a student's level of achievement and mastery of the subject matter. In addition to numerical grades, teachers may provide anecdotal comments at the end of each grading period. These comments are intended to offer further insight into a student's effort, attitude, work habits, and application of course content.

Outlined below is an explanation of Catasauqua High School's numerical grading scale and the associated letter grades:

Letter Equivalent	Numerical Grade	Description
A	90-100	Exceptional
B	80-89	Above Average
C	70-79	Average
D	60-69	Passing
F	59 and below	Failure
I	Incomplete work *	Student must complete work for a grade

Most courses receive numeric grades and are displayed on report cards and a student's Official Transcript. Letter grades may be used for some support classes. The following letter grades will be used as needed:

M = Medical Excuse

- A Medical Excuse is most commonly used when a student is medically exempt from their physical participation in a Wellness/Fitness course.

I = Incomplete (no credit awarded)

- When a student is issued an incomplete for a term grade, Teacher / Student collaboration is necessary in order to develop a timeline for completion of the outstanding work. A maximum of 10 days should be used as a guideline for a work recovery plan. If these conditions are not met, barring special consideration for just cause approved in advance by the building administration, all incomplete and/or missing assignments will receive a zero, and the final term and course grade will be assessed in accordance with the teacher's grading procedures. Incompletes at the end of the school year are to be made up prior to June 30th. The CHS School Counseling Office must receive written notification from the teacher of an incomplete circumstance before the last day of student attendance. The building principal reserves the right to review and rule on the merit and special circumstances of individual cases.

P/F = Pass / Fail (credit awarded or not awarded)

- The Pass/Fail grading option is used for designated courses or circumstances as determined by the school. A grade of Pass (P) indicates that the student has successfully met the course requirements and earned credit. A grade of Fail (F) indicates that the student did not meet the minimum requirements necessary to earn credit. Courses graded on a Pass/Fail basis do not factor into class rank or GPA calculations. Expectations, performance criteria, and eligibility for a Pass grade are determined by the course instructor and outlined in the course syllabus.

FINAL COURSE AVERAGES AND EXAMINATIONS

Final examinations may be given at the completion of a semester course (partial credit subjects excluded). The grade earned in the final examination will represent one-ninth (0.12%) of the final grade for the course.

Staff members have the flexibility to offer a project or alternative assignment in lieu of a final exam. Staff members may choose to incorporate a final report, an e-portfolio, a professional presentation, a mock lecture, a case study, etc., instead of a final exam for their course. Grading for the alternative assignment in lieu of a final exam will follow the same procedures as a final exam.

Students who are absent from a final exam will be required to make up that exam the day they return to school. If a student fails to report for an exam and does not provide the required doctor's documentation, they will be ineligible to participate in any extracurricular school-related activities on the day the exam was scheduled. CHS Administration reserves the right to waive final exams.

Exemption of Final Exams: Any student who receives a 90% or higher in both quarters of a course will be exempt from taking a final exam for the course and will receive a final grade that is the average of the two quarters. An average of 90% or higher for both quarters will not exempt a student from an exam. They must have a final quarter grade of 90% or higher for each quarter in order to be exempt from the final exam.

CLASS RANK AND GPA

Class rank is an important factor for students who plan to continue their education after high school. It is determined based on academic work completed in grades nine through twelve. Students should understand that strong academic performance beginning in ninth grade is just as important as performance in later years.

Class rank is calculated at the end of each marking period and is printed on student report cards.

Most courses are included in the class rank calculation. The final grade earned in each course is multiplied by the number of credits assigned to that course. These weighted grades are then averaged and ranked numerically in comparison to other students within the same graduating class.

Weighted Courses

- **Honors Courses:** Grades are multiplied by a weighting factor of **1.06** for class rank, GPA, and Honor Roll calculations.
- **Dual Enrollment Courses (taught by CHS teachers):** Weighted at **1.06**.
- **Dual Enrollment Courses (taken at post-secondary institutions and taught by college faculty):** Weighted at **1.12**.
- **Advanced Placement (AP) Courses:** Weighted at **1.12**.

This weighted system recognizes the increased rigor of advanced coursework while ensuring fairness and consistency in class rank calculations.

HONOR ROLLS

DISTINGUISHED HONOR ROLL

A student must attain an overall average of 93 or higher in the marking period in all numerically graded subjects with no grade lower than an 80.

HONOR ROLL

A student must attain an overall average of 85 in the marking period in all numerically graded subjects with no grade lower than 77.

Academic awards will be presented to students who have consistently earned Distinguished Honor Roll and/or Honor Roll status. Awards will be presented as follows:

1. **Five (5) honor rolls**
 - Award: White chenille letter and lamp of knowledge pin
2. **Nine (9) honor rolls**
 - Award: Rough Rider Plaque
3. **Thirteen (13) honor rolls**
 - Award: Medal
4. **Sixteen (16) honor rolls**
 - Award: Trophy

Students attaining 16 Honor Rolls (Distinguished Honor Roll and Honor Roll combined) at the end of their senior year will be recognized during CHS' Commencement Ceremony. At commencement services, graduates who have maintained at least a 90.00 average for their entire high school career will be recognized by wearing a gold stole to denote their academic achievements. These students will be recognized as Honor Graduates.

Students who achieve **16 Honor Rolls** (combined Distinguished Honor Roll and Honor Roll) by the end of their senior year will be recognized during the CHS Commencement Ceremony. Graduates who maintain an **overall average of 90.00 or higher** throughout their high school career will be designated as **Honor Graduates** and honored by wearing a gold stole during commencement to signify their academic excellence.

REPORT CARDS

A student's academic progress is continuously recorded in the high school's student information system (PowerSchool). To keep students and parents informed, academic information is made available on a regular basis. Exception(s): a student's academic progress in half-day or full-time programming at LCTI is available in the student information system used by LCTI. Students taking coursework through CASD's Cyber Program (if available), and/or at a post-secondary institution will not be posted in the High School's student information system until the end of the term.

Report cards are issued electronically four times during the school year. Parents/Guardians are encouraged to review grades, teacher comments, and attendance information carefully to stay informed of their student's academic progress.

CREDIT RECOVERY

Students who do not pass a required course(s) may be asked to complete a credit recovery program/course/option, including reenrollment in the full-length course during the school year if their schedule permits. CHS students who fail a course are encouraged to reach out to their School Counselor immediately to discuss options for credit recovery. Upon successful completion of a credit recovery program, the student's Official Transcript is updated with the final grade/percentage, but the grade does not count towards the student's GPA, Class Rank, or Honor Roll.

PROMOTION REQUIREMENTS

A student will be promoted to the next grade level based solely on the number of years attended at CHS. However, promotion to the next grade level is not indicative of the number of credits the student has earned.

Students in grades 9, 10, 11, and 12 must carry a minimum of 8 full-credit subjects per year. Should a student fail a course during the school year, it is recommended that the student meet with his/her School Counselor to discuss credit recovery options.

EARLY GRADUATION

The fourth year of high school shall not be required for graduation if the student has completed all requirements for graduation **and** attends a postsecondary institution and/or enters the workforce. Students anticipating graduating early will need to complete an [early graduation application](#) before Oct. 31. Students should see their school counselor before completing the form.

Consider the following before applying: Students must meet the same graduation requirements as all eighth-semester graduates. Local honors (16 Honor Roll Award, Valedictorian, etc) may only be bestowed upon students who complete exactly eight full semesters of high school.

section 2

Course Offerings

- Career Pathways
- Master List of Courses Offered
- Course Descriptions

CAREER PATHWAYS

We are proud to offer the following eight career pathways at Catasauqua High School. Each pathway is color coded and designed to help students make informed course selections that are aligned with their interests, goals, and future plans. As you read each course description, it will include a row of colored circles at the bottom identifying the career pathway(s) the course supports.

Career Pathway	Career Pathway Description
 Health Sciences	Be the Future of Care and Discovery. Do you want to make a difference in people's lives every single day? A career in Health Sciences puts you on the front lines of helping others. From saving lives in emergency rooms to developing new medicines and technologies, Health Sciences careers are all about solving problems, caring for people, and shaping the future of healthcare.
 Law, Public Safety & Transportation	Protect. Serve. Drive the Future. This pathway is designed for students interested in careers that keep our communities safe, uphold justice, and keep people and goods on the move. From law enforcement and firefighting to emergency medical services, legal studies, and transportation logistics, students will explore the skills and responsibilities that come with serving the public.
 Architecture, Manufacturing & Construction	Design. Build. Create the Future. Do you enjoy turning ideas into reality? The Architecture, Construction, and Manufacturing Pathway is for students who like to design, build, and innovate. You'll gain hands-on experience with tools, technology, and materials while learning how creativity and precision come together to shape our world.
 Education, Human Services & Government	Lead. Serve. Inspire Change. This pathway prepares students for careers focused on helping others, shaping communities, and leading with purpose. Whether you're interested in teaching, social work, counseling, public administration, or community leadership, you'll explore how people-centered professions make a lasting impact.
 Agriculture, Food & Natural Resources	Grow. Sustain. Nourish the World. This pathway connects students to the science, technology, and business behind feeding and sustaining our planet. From animal and plant science to environmental stewardship and agricultural technology, students will explore how innovation and sustainability work together to support life on Earth.
 Arts, Media & Communication	Create. Express. Inspire the World. This pathway empowers students to explore their creativity through visual arts, music, digital media, design, and communication. Whether you're drawn to performing, producing, writing, or designing, you'll develop the skills to share ideas and tell stories that influence culture and connect people.
 STEM & IT	Innovate. Code. Solve What's Next. The STEM and IT Career Pathway is for students who love to explore how things work and how technology shapes our future. From robotics and computer programming to data analysis and engineering design, this pathway builds critical thinking, problem-solving, and innovation skills.
 Business	Where Ambition Meets Opportunity. Step into the world of business, where creativity, strategy, and leadership collide! Whether your passion lies in managing successful teams, analyzing financial trends, crafting unforgettable marketing campaigns, or creating experiences that wow travelers and guests, the Business Career Pathway opens doors to endless possibilities.

ADDITIONAL INDICATORS

 NCAA Eligibility	When a course meets NCAA eligibility, it means the course has been reviewed and approved by the NCAA Eligibility Center and counts toward the academic requirements for students who plan to compete in NCAA Division I or Division II athletics in college.
 Dual Enrollment	When a course is offered as Dual Enrollment, it means the course is taught by a Catasauqua High School teacher and allows students the opportunity to earn both high school and college credit.

2026-2027 MASTER LIST OF COURSE OFFERINGS

ART

Explorations of Art	723
Drawing Studio 1	717
Drawing Studio 2	718
Painting Studio	719
Sculpture Studio	708

BUSINESS & CAREER EDUCATION

Personal Finance	248
Career Skills	350
Accounting 1	612
Accounting 2 Honors	622
Entrepreneurship	260
Sports & Entertainment Marketing	645
Teacher Assistant 1	801
Teacher Assistant 2	802
Career Mentorship Program	804

COMPUTER SCIENCE

CompSci Discoveries Part 1	480
CompSci Discoveries Part 2	481
CompSci Foundations with Spheros Part 1	482
CompSci Foundations with Spheros Part 2	483
AP CompSci Principles	476
Remote Pilot Certification with Applications	484

ENGLISH

Language Arts / Reading	102
English 1	109
English 1 Honors	112
English 2	118
English 2 Honors	119
English 3	134
English 3 Honors	139
English 4	142
English 4 Honors	143
AP Literature & Composition	130
Creative Writing	149
Journalism (Semester)	141
Journalism (Full Year)	140

FAMILY AND CONSUMER SCIENCES

Child Development	726
Food & Nutrition	714

GENERAL EDUCATION

Freshman Focus: Success	200AB
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ART

Explorations of Art - 723

1 Semester | 0.5 Credit | Grades 9-12

This introductory course is designed for students of all experience levels. Through a variety of hands-on projects, students will experiment with drawing, painting, sculpture, and mixed media while learning foundational artistic techniques. The course introduces students to different styles, materials, and artists, encouraging creative thinking and self-expression. No prior art experience is required, just curiosity, openness, and a willingness to explore and experiment.

Career Pathways:



Drawing Studio 1 - 717



1 Semester | 1 Credit | Grades 10-12

Prerequisite: To be eligible for Sculpture Studio, a student must have successfully completed Explorations of Art.

This course builds a strong foundation in observational drawing and visual thinking. Students will develop essential drawing skills using a variety of media such as pencil, charcoal, and ink while working from still life, landscape, and figure studies. Emphasis is placed on technique, composition, and understanding the elements and principles of art and design. Through guided projects and critiques, students will strengthen their ability to draw accurately and confidently.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



Drawing Studio 2 - 718

1 Semester | 1 Credit | Grades 10-12

Prerequisite: To be eligible for Sculpture Studio, a student must have earned an 80% or above in Drawing Studio 1.

This course is an advanced course focused on expressive and realistic figure drawing and portraiture. Building on skills from Drawing Studio I, students will study the human form through gesture, proportion, anatomy, and movement. Using materials such as charcoal, chalk, pencil, and ink, students will work from both quick poses and extended studies to refine their understanding of light, shadow, and form. The course emphasizes technical growth, realism, and the development of a personal drawing style, making it ideal for students who wish to strengthen their drawing abilities and artistic voice.

Career Pathways:



Painting Studio - 719



1 Semester | 1 Credit | Grades 10-12

Prerequisite: To be eligible for Sculpture Studio, a student must have earned an 80% or above in Drawing Studio 1.

This advanced course builds on concepts from Drawing Studio I while introducing various painting techniques and materials, including acrylics, watercolors, and mixed media. Students will explore color theory, composition, and design elements while developing their own artistic voice.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



Sculpture Studio - 708

1 Semester | 1 Credit | Grades 10-12

Prerequisite: To be eligible for Sculpture Studio, a student must have successfully completed Explorations of Art.

Bring ideas off the page and into three dimensions. This upper-level course explores the fundamentals of sculptural art through hands-on experimentation with materials such as clay, cardboard, paper, metal, and found objects. Students will learn essential techniques including modeling, carving, and assemblage while investigating form, texture, balance, and space. Emphasis is placed on creative problem-solving, craftsmanship, and personal expression. This course is ideal for students who enjoy working with their hands and are interested in sculpture, modeling, and craft.

Career Pathways:



BUSINESS AND CAREER EDUCATION

Personal Finance - 248



1 Semester | 0.5 Credit | Grade 11

This practical course is focused on real-world money skills. Students learn budgeting, banking, investing basics, types of credit, and credit management. The course also includes units on buying a car, filing taxes, and types of insurance to help students prepare for life after high school.

*This class is offered for Dual Enrollment through LCCC.

Career Pathways:



Career Skills - 350

1 Semester | 0.5 Credit | Grade 11

This course assists students in developing skills to successfully apply for postsecondary opportunities. Emphasis is placed on completing job acquisition documents, such as a job application, resume, reference sheet, and cover letter. Interviewing skills are practiced through a mock interview experience. A career experience project provides the opportunity to job shadow or interview a mentor in a field of their choice, or participate in a career-based field trip. Other units include completing skill and personality surveys to identify potential career paths, goal setting, and job searches. Through these experiences, students will strengthen soft skills such as time management, communication, and personal development.

Career Pathways:



Accounting 1 - 612

1 Semester | 1.0 Credit | Grades 10-12

This course is designed as an introductory experience in accounting. Students learn accounting basics by practicing all aspects of the accounting cycle for a service business organized as a proprietorship. The entire accounting cycle is presented and includes analyzing transactions, journalizing, posting to the ledger, banking records, worksheets, financial statements, adjusting and closing entries, and post-closing trial balance. A course-ending simulation serves as the culminating project.

Career Pathways:



Accounting 2 Honors - 622

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Accounting 2 Honors, a student must have earned 80% or higher in Accounting I, or 90% or higher in Accounting 1 to take this course as an independent study.

This course is designed as an intermediate course in accounting. Students taking this course should have a thorough understanding of the principles presented in Accounting 1. The focus of this course provides an in-depth look at the accounting systems of a merchandising business organized as a corporation. New topics include special journals, payroll and payroll taxes, stock and dividends, and uncollectible accounts. Time permitting, a course-ending simulation serves as a culminating project.

Career Pathways:



Entrepreneurship - 260



1 Semester | 0.5 Credit | Grades 10 - 12

Do you have an idea for a new product or curiosity about how businesses are built? Step into the exciting world of entrepreneurship through a Shark Tank-style experience. Students develop original product ideas, craft and deliver elevator pitches, vote on top concepts, and work in teams to build business strategies using the 9 Building Block Model. Along the way, students design logos, create prototypes, and refine their ideas. The course culminates with professional product pitches presented to a panel of investors.

*Note: This class has a strong emphasis on public speaking and groupwork.

*This class is offered for Dual Enrollment through LCCC.

Career Pathways:



Sports & Entertainment Marketing - 645

1 Semester | 0.5 Credit | Grades 9-12

By examining the sports and entertainment industries, this course exposes students to the basic functions of marketing. Concepts studied include general marketing principles, the economic impact of marketing, product design, pricing strategies, branding and licensing, and promotions. Students complete activities and projects that demonstrate comprehension of marketing principles. Sports & Entertainment Marketing provides a foundation for college-bound students considering majors in the business field.

Career Pathways:



Teacher Assistant 1 - 801

1 Semester | 1.0 Credit | Grades 11-12

This hands-on Teaching Assistant program allows students to support classroom instruction through lesson preparation, small-group work, and peer mentoring. Students must have earned at least an 85% in the course they assist with, maintain strong attendance, and have a positive discipline record. Participants will be observed teaching or supporting instruction and complete biweekly assignments and reflections. This course builds leadership skills, explores careers in education, and can be used as one piece of evidence for the Evidence-based Pathway to support the Act 158 graduation requirement.

Career Pathways:



Teacher Assistant 2 - 802

1 Semester | 1.0 Credit | Grades 11-12

The Teacher Assistant 2 course is an advanced experience for students serious about a future in education. Students take on greater responsibility by planning and teaching lessons, designing activities, and mentoring peers while working closely with classroom teachers.

This program provides a deeper look into state standards, lesson planning, and teaching pedagogy, along with an increased number of observations to see a variety of instructional strategies in action. Students will be observed while teaching the entire class or leading small groups. This internship fulfills Act 158 requirements while giving students meaningful, real-world teaching experience.

Career Pathways:



Career Mentorship Program - 884

1 Semester | 1.0 Credit | Grades 11-12

Mentorships are structured, supervised work-based learning experiences that support the Career Preparation requirement outlined in Act 158. Students are placed with an approved business or organization for a defined period of time to observe workplace operations and engage in appropriate, non-hazardous career-related activities. Mentorship schedules are collaboratively developed by the student, business partner, and Career Coordinator to ensure alignment with educational goals and program expectations. Through these experiences, students build essential employability skills, including communication, teamwork, professionalism, leadership, and problem-solving, that are critical for postsecondary success and workforce readiness.

Career Pathways:



COMPUTER SCIENCE

Computer Science Discoveries Part 1 - 480

1 Semester | 0.5 Credit | Grades 9-12

Discover how technology works and learn how to create it! This course introduces students to the fundamentals of computer science through hands-on projects, problem-solving, and creative design. Using [Code.org](https://code.org)'s curriculum, students will learn to code with text-based programming while creating fun and interesting webpage projects that solve real world problems. Students explore web development using HTML, CSS, and JavaScript, along with key topics such as data, the internet, cybersecurity, and ethical digital citizenship. This course builds critical thinking and computational skills and provides a strong foundation for future studies in computer science and technology. No previous coding experience is required.

Career Pathways:



Computer Science Discoveries Part 2 - 481

1 Semester | 0.5 Credit | Grades 9-12

Prerequisite: To be eligible for CS Discoveries Part 2, a student must have earned a 70% or above in CS Discoveries Part 1.

This course builds on the skills learned in Part 1 and takes students deeper into advanced programming and real-world computer science applications. Students explore topics such as object-oriented programming, app development, and interactive game design while learning how algorithms and data shape the world around us. Students are introduced to emerging technologies including artificial intelligence, machine learning, and digital equity, with an emphasis on ethical and responsible technology use. Through these experiences, students will strengthen soft skills such as time management, communication, and personal development.

Career Pathways:



Computer Science Foundations with Spheros Part 1 - 482

1 Semester | 0.5 Credit | Grades 9-12

This course introduces students to the exciting world of programming and robotics through hands-on learning with Spheros robots. Students develop basic to intermediate block-based programming skills as they write code to control movement, sensors, and behaviors, bringing their Sphero to life through interactive challenges and activities. With a strong emphasis on critical thinking, problem-solving, creativity, and collaborations, students work individually and in teams to design solutions and overcome increasingly complex challenges. Ideal for students who are new to coding or want to strengthen their skills, this course offers a fun, engaging, and approachable introduction to computer science and robotics while building a strong foundation for future learning in technology and computer science.

Career Pathways:



Computer Science Foundations with Spheros Part 2 - 483

1 Semester | 0.5 Credit | Grades 9-12

Prerequisite: To be eligible for CS Foundations with Spheros Part 2, a student must have earned a 70% or above in CS Foundations with Spheros Part 1.

Continue your coding journey in Computer Science Foundations with Spheros Part 2 as you build on the skills developed in Part 1 and dive deeper into programming and robotics using Sphero Edu. Students strengthen their coding abilities through intermediate block programming while beginning the transition to text-based coding and more advanced algorithms. Through hands-on projects and challenges, students learn to control their Sphero robots with greater precision while designing creative solutions to increasingly complex problems. With a strong focus on creativity, collaboration, and problem-solving, this course empowers students to take their coding skills to the next level and turn ideas into working, interactive programs.

Career Pathways:



AP Computer Science Principles - 476

Full Year | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for AP Computer Science Principles, a student must have completed Computer Science Foundations with Spheros Part 1 [and](#) Part 2 [OR](#) Computer Science Discoveries Part 1 [and](#) Part 2

Level up your coding and computational thinking with AP Computer Science Principles! This multidisciplinary course dives into the creative side of programming while exploring essential concepts such as abstractions, algorithms, large data sets, the internet, cybersecurity, and the real-world impact of computing. Students will use modern technologies to design and build computational artifacts, solving real-world problems or expressing their own ideas through projects that challenge their creativity and problem-solving skills. As an AP course, students have the opportunity to take the AP exam through College Board, potentially earning college credit while gaining a rigorous foundation for future studies and careers in technology, innovation, and computer science.

Career Pathways:



Remote Pilot Certification with Applications -

1 Semester | 1.0 Credit | Grades 10-12

484



Take flight with drones and explore the future of aviation and technology! In this course, students learn how to safely fly drones while preparing to earn the FAA Part 107 Remote Pilot Certification, the same license used by professional drone pilots. Students will explore how drones are used in the real world for mapping, photography, agriculture, and multi-spectral sensing. The course includes hands-on field days where students fly drones and practice real piloting skills. Beyond flying, students will learn how drones are used in business and industry, including what it takes to start a drone business and explore careers in aviation, airport operations, and manned aircraft.

*Note: To be eligible for the FAA Part 107 exam, an individual must be at least 16 years old.

*This course is offered for Dual Enrollment through Harrisburg University.

Career Pathways:



ENGLISH

Language Arts / Reading - 102

1 Semester | 1.0 Credit | Grade 9

The ninth-grade course will prepare students with the skills needed for success in English 1. It is structured to provide targeted, small-group instruction designed to strengthen students' achievement in literary analysis and to reinforce essential skills in the four core language domains: listening, speaking, reading, and writing. Students receive additional, data-informed support through explicit instruction, guided practice, and ongoing progress monitoring while engaging with grade-level literary and informational texts.

Career Pathways:



English 1 - 109

1 Semester | 1.0 Credit | Grade 9

The ninth-grade course is designed to introduce students to the expectations of high school-level reading, writing, speaking, and listening, with an emphasis on developing core literary analysis skills. Students will engage with a range of texts, including fiction and non-fiction short stories, poetry, one or more novels, and a structured research project. Through guided instruction and practice, students will build the skills necessary to analyze texts, communicate ideas effectively, and apply academic strategies that prepare them for success in subsequent high school English courses.

Career Pathways:



English 1 Honors - 112

1 Semester | 1.0 Credit | Grade 9

Prerequisite: To be eligible for English 1 Honors, a student must have earned a 90% or above in 8th grade English.

The ninth-grade English 1 Honors is an intensive, fast-paced course that is designed to challenge students through advanced literary analysis and critical inquiry, with a strong emphasis on the continued development and refinement of the four core language domains: listening, speaking, reading, and writing. Students engage in close sustained readings of nonfictional and fictional texts. Additionally, students will be expected to analyze how authors employ literary elements, stylistic techniques, and rhetorical strategies to construct meaning.

Career Pathways:



English 2 - 118

1 Semester | 1.0 Credit | Grade 10

The 10th grade English 2 course is a comprehensive semester-long course designed to challenge 10th-grade students with a blend of classic and contemporary texts, including novels, short stories, poetry, and drama. This course emphasizes critical analysis, rhetorical strategy, Keystone skill practice, and writing assignments. Students will learn to evaluate the credibility of sources, integrate citations (MLA format), and avoid plagiarism while conducting independent research. The class is designed to support a variety of learners and will help students prepare for future success.

*Students are required to take the Keystone Literature Exam at the end of this course.

Career Pathways:



English 2 Honors - 119

1 Semester | 1.0 Credit | Grade 10

Prerequisite: To be eligible for English 2 Honors, a student must have earned an 80% or above in English 1 Honors or a 90% or above in English 1.

The 10th grade English 2 Honors course is an intensive, fast-paced course designed for students who demonstrate high-level proficiency in literacy and a desire for intellectual challenge. This course moves beyond comprehension, asking students to analyze the historical and structural background of complex texts, such as poetry, drama, nonfiction and fiction novels, and short stories. The Honors curriculum prepares students for the transition to AP-level coursework by fostering academic independence, refined stylistic writing, and the ability to synthesize multiple perspectives into a cohesive argument. Lastly, students will learn to evaluate the credibility of sources, integrate citations (MLA format), and avoid plagiarism while conducting independent research.

*Students are required to take the Keystone Literature Exam at the end of this course.

Career Pathways:



English 3 - 134

1 Semester | 1.0 Credit | Grade 11

The 11th grade English 3 course is a comprehensive course that emphasizes reading comprehension, literary analysis, and effective oral and written communication. Students engage with a variety of literary and informational texts while developing core skills in close reading, discussion, and evidence-based writing. The course focuses on strengthening analytical thinking, research skills, and clear expression through essays, projects, and class discussions. This course supports student growth toward graduation requirements and prepares students for postsecondary education, career pathways, and civic engagement.

Career Pathways:



English 3 Honors - 139

1 Semester | 1.0 Credit | Grades 11

Prerequisite: To be eligible for English 2 Honors, a student must have earned an 80% or above in English 1 Honors or a 90% or above in English 2.

The 11th grade English 3 Honors is a fast-paced, challenging college-preparatory course for students who demonstrate strong literacy and analytical skills. The course emphasizes close reading of complex literary and informational texts, advanced literary analysis, academic research, and formal writing. Students study a range of canonical and global works, engage in discussion-based learning, and complete analytical essays, multimedia presentations, and a multi-source persuasive research project. The course prepares students for AP-level coursework, dual enrollment, and college-level English expectations.

Career Pathways:



English 4 - 142

1 Semester | 1.0 Credit | Grade 12

The 12th grade English 4 course focuses on the study of British Literature and Coming of Age Literature, primarily through the reading of novels, plays, and short stories. The works selected are intended to help students build on their reading comprehension skills with a variety of activities and presentations. The course will also assist students in developing their research and writing skills in order to prepare them for the completion of a senior research paper. This course is designed to prepare students for their future pathways, whether they choose to pursue postsecondary education or enter the workforce.

Career Pathways:



English 4 Honors - 143

Full Year | 1.0 Credit | Grade 12

Prerequisite: To be eligible for English 4 Honors, a student must have earned an 80% or above in English 3 Honors or 90% or above in English 3.

This course is offered concurrently as English 4 Honors and AP English Literature and Composition. While the course content is the same for all students, the weighting applied to the final grade is determined by whether the student elects to take the AP examination. This course is a rigorous, college-level course focused on literary analysis. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. The course is structured in a logical sequence developed through educator feedback and review of secondary and postsecondary coursework. Instruction is organized around three recurring, genre-based units: short stories, poetry, and longer works.

Career Pathways:



AP Literature & Composition- 130

Full Year | 1.0 Credit | Grade 12

Prerequisite: To be eligible for AP Literature & Composition, a student must have earned an 80% or above in English 3 Honors or a 90% or above in English 3.

This course is offered concurrently as English 4 Honors and AP English Literature and Composition. While the course content is the same for all students, the weighting applied to the final grade is determined by whether the student elects to take the AP examination. AP English Literature and Composition is a rigorous introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. The course is structured in a logical sequence developed through educator feedback and review of secondary and postsecondary coursework. Instruction is organized around three recurring, genre-based units: short stories, poetry, and longer works.

Career Pathways:



Creative Writing - 149

1 Semester | 0.5 Credit | Grades 9-12

This course challenges students to think like writers and create like artists. Students will explore a wide range of writing genres—nonfiction, fiction, poetry, and drama—while developing their own unique voices. Students will learn how writers craft meaning, emotion, and impact. The class is run as a supportive writing workshop where students share original work, give and receive feedback, and revise their writing to a polished final form.

Career Pathways:



Journalism - 141

1 Semester | 0.5 Credit | Grades 10-12

Full Year | 1.0 Credit | Grades 10-12

Journalism - 140

Journalism students become the voice of the school by taking an active role in producing The Brown and White in both print and digital formats. This hands-on course immerses students in the fast-paced world of news as they research stories, conduct interviews, capture photographs, write and edit articles, design layouts, and publish content for print and online audiences. Students will gain practical experience with desktop publishing and digital media tools while learning the ethics, responsibility, and impact of journalism.

From covering school events to reporting on issues that matter to students, class members collaborate as a professional newsroom. Because journalism doesn't stop when the bell rings, students should expect to spend time outside of class meeting deadlines and covering events. **Enrollment requires instructor permission to ensure students are prepared for the commitment and excited to contribute their skills, creativity, and dedication to the success of the publication.**

Career Pathways:



FAMILY AND CONSUMER SCIENCES

Child Development - 726

1 Semester | 0.5 Credit | Grades 9-12

Step into the fascinating world of early childhood! This course explores child development from pregnancy through age five, giving students a hands-on look at how children grow, learn, and thrive. Through a mix of theory, observation, and practical work, students will study parenting, nurturing, and the essential skills needed to support young children's physical, emotional, and social growth. Perfect for those interested in careers working with children, this course offers valuable insights and experiences that combine learning, observation, and real-world application to help you understand the amazing journey of early childhood.

Career Pathways:



Food & Nutrition - 714

1 Semester | 1.0 Credit | Grades 10-12

Get ready to explore the delicious world of food! This hands-on course teaches kitchen fundamentals, recipe skills, and cooking methods with a special focus on baking, from breads and cookies to cakes and pies. Students learn how time, taste, cost, and nutrition influence food choices while gaining practical experience in both theory and lab settings. Advanced topics include meal planning and cooking meats, seafood, eggs, grains, fruits, and vegetables from around the world, plus entertaining guests with food. Along the way, students discover career paths in the culinary and nutrition fields while building skills to create, cook, and enjoy amazing dishes.

Career Pathways:



GENERAL EDUCATION

Freshman Focus: Success - 200AB

1 Semester | 0.5 Credit | Grade 9

Freshman year is a time of change, growth, and new challenges. Freshman Focus is designed to help students successfully transition to high school by developing the habits and mindsets needed for success in both academics and life. This course will guide students in building effective learning strategies, fostering self-reflection, and preparing for future career paths. Topics include goal setting, budgeting, resilience, learning from failure, and the power of deliberate practice for continuous growth. Through interactive lessons and real-world applications, students will gain the skills to navigate high school with confidence and purpose, setting the foundation for a successful future.

*This course is required for all freshmen (except half-day LCTI students).

Career Pathways:



HEALTH AND PHYSICAL EDUCATION

Wellness / Fitness - 901

1 Semester | 1.0 Credit | Grade 9

This course promotes lifelong health through physical fitness, team sports, and wellness education. Students engage in individual and team-based activities to build fitness, cooperation, and sportsmanship while learning about nutrition, mental health, injury prevention, and goal setting. The course also includes age-appropriate sexual health education focused on human development, healthy relationships, consent, and informed decision-making.

Career Pathways:



Personal Fitness - 892

1 Semester | 0.5 Credit | Grades 10-12

Prerequisite: To be eligible for Personal Fitness, a student must have earned a 70% or above in Wellness / Fitness 9.

This fitness-based course focuses on developing physical and mental fitness through strength training, cardiovascular conditioning, and flexibility exercises. Students will learn proper technique, safety, and training principles while setting goals and designing personalized workout plans based on individual fitness levels. The course includes fitness challenges and group activities that build confidence, motivation, perseverance, and teamwork, while highlighting the connection between physical activity, mental wellness, and lifelong healthy habits.

Career Pathways:



Team Sports - 893

1 Semester | 0.5 Credit | Grades 10-12

Prerequisite: To be eligible for Team Sports, a student must have earned a 70% or above in Wellness / Fitness 9.

The course focuses on the organization, strategy, and participation in team sports. Students will learn the rules, tactics, and skills associated with various team sports while developing teamwork, communication, and sportsmanship. The course also introduces nutrition concepts, stress management strategies, and education on alcohol, tobacco, and other drugs, helping students understand how healthy fueling, informed decision-making, mental wellness, and physical activity support performance, resilience, and overall well-being.

Career Pathways:



MATHEMATICS

Pre-Algebra - 362

1 Semester | 1.0 Credit | Grade 9

NOTE: THIS COURSE IS NOT AVAILABLE FOR STUDENTS WHO HAVE COMPLETED ALGEBRA 1.

This course will prepare students with the skills needed for success in Algebra 1. For this course, students should possess a strong foundation of Pre-Algebra concepts such as operations with real numbers, order of operations, and solving linear equations. Students will develop an understanding of various math skills such as solving linear and absolute value equations and inequalities, radicals, exponent rules, graphing, absolute value equations and inequalities, systems of equations and inequalities, analyzing graphs and statistics. The topics covered include theory as well as practical and real-world applications.

Career Pathways:



Algebra 1 - 309

1 Semester | 1.0 Credit | Grade 9

Prerequisite: To be eligible for Algebra 1, a student must have taken Pre-Algebra.

This course serves as a continuation of Pre-Algebra and is taken during the same academic year. It is designed to extend students' understanding of algebraic concepts through real-world applications. Topics include coordinate geometry, systems of equations, polynomials, factoring, quadratic expressions, powers and roots, functions, rational expressions, statistics, probability, and foundational geometry concepts. Successful completion of this course, along with Pre-Algebra, fulfills the Algebra I graduation requirement.

*Students are required to take the Keystone Algebra Exam at the end of this course.

Career Pathways:



Algebra 1 CP - 304



1 Semester | 1.0 Credit | Grade 9

This course emphasizes the development of problem-solving skills and mathematical reasoning through the use of real numbers and algebraic expressions. Students will write, solve, and graph linear equations and inequalities, including systems of linear equations and inequalities. Instruction focuses on analyzing patterns and relationships, interpreting linear functions, and working with equations, graphs, and tables.

Students will also apply coordinate geometry to calculate and interpret slope and analyze data using scatter plots. Through data analysis activities, students will use measures of dispersion, interpret data displays, make predictions, and apply probability concepts to real-world situations.

*Students are required to take the Keystone Algebra Exam at the end of this course.

Career Pathways:



Algebra 2 CP - 305



1 Semester | 1.0 Credit | Grades 9-11

Prerequisite: To be eligible for Algebra 2 CP, a student must have taken Algebra 1.

Algebra 2 CP is a rigorous college-preparatory course designed to bridge the gap between foundational algebra and advanced mathematical analysis. This course emphasizes the relationship between functions and their graphs, focusing on the analytical and visual representation of complex equations. Throughout the year, students will master the solving and graphing of absolute value functions, move into multivariate analysis by solving three-variable systems, and apply these skills to real-world optimization through linear programming. A significant portion of the curriculum is dedicated to the study of non-linear behavior, specifically the solving and graphing of quadratic and higher-degree polynomial functions. By exploring these key areas, students develop the critical thinking and modeling skills necessary for success in higher level math courses.

Career Pathways:



Algebra 2 Honors - 300

1 Semester | 1.0 Credit | Grades 9-11

Prerequisite: To be eligible for Algebra 2 Honors, a student must have earned a 90% or above in Algebra 1.

Algebra 2 Honors is an accelerated course for students seeking a deep conceptual understanding of advanced mathematics. Students will master solving and graphing absolute value and piecewise functions, analyze three-variable systems, and apply linear programming to real-world optimization. A core focus includes solving and graphing quadratic and higher-degree polynomial functions, alongside the manipulation of rational expressions and equations. This honors-level curriculum emphasizes mathematical modeling and analytical proofs, requiring students to identify key features like intercepts, zeros, and end behavior. By exploring these topics at an advanced pace, students build the critical thinking skills essential for success in future Honors courses

Career Pathways:



Geometry Applied - 345

1 Semester | 1.0 Credit | Grades 10-11

Prerequisite: To be eligible for Geometry Applied, a student must have taken Algebra 1.

This course will focus on methods of reasoning used in direct and indirect proofs. Students will be able to identify and apply geometric properties of lines, segments, angles, polygons, solids, congruence, and similarity while reinforcing equation solving skills. Problem-solving will be strengthened by applying concepts of right triangles, distance, midpoint, slope, and using, comparing, and developing procedures in determining area, perimeter, circumference, surface area, and volume using coordinate geometry and measurement.

Career Pathways:



Geometry CP - 311

1 Semester | 1.0 Credit | Grades 9-10

Prerequisite: To be eligible for Geometry CP, a student must have taken Algebra 1.

Methods of reasoning through direct and indirect proofs will be established while identifying and using geometric properties of circles, polygons, solids, congruence, and similarity. Problem-solving skills will be strengthened by applying concepts of right triangles, distance, midpoint, slope, and using, comparing, and developing procedures in determining area, perimeter, circumference, surface area, and volume using coordinate geometry and measurement.

Career Pathways:



Geometry Honors - 310

1 Semester | 1.0 Credit | Grades 9-10

Prerequisite: To be eligible for Geometry Honors, a student must have earned a 90% or above in Algebra 1 CP and/or a 90% or above in Algebra 2 or an 80% or above in Algebra 2 Honors.

The curriculum for this course will run parallel with the college preparatory course. However, the methods of reasoning and problem-solving skills will be strengthened through a deeper, more thorough, and rigorous exploration of the geometric concepts. Methods of reasoning through direct and indirect proofs will be established while identifying and using geometric properties of circles, polygons, solids, congruence, and similarity. Problem-solving skills will be strengthened by applying concepts of right triangles, distance, midpoint, slope, and using, comparing, and developing procedures in determining area, perimeter, circumference, surface area, and volume using coordinate geometry and measurement.

Career Pathways:



Trigonometry CP - 323

1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for Trigonometry CP, a student must have taken Algebra 2 and Geometry.

In this course, students explore foundational big ideas, such as the relationship between angles and sides in right triangles and the modeling power of trigonometric functions. Through inquiry framed by Essential Questions like 'How can we use ratios to understand triangle relationships?' and 'In what ways do trigonometric functions describe real-world periodic phenomena?', learners build both conceptual understanding and practical skill. By engaging with core competencies, such as applying trigonometric ratios and the Pythagorean Theorem to solve right-triangle problems, using inverse functions to find angles, and modeling real-world scenarios with sine, cosine, and tangent, students develop strong mathematical reasoning and communication. This course equips students to tackle complex, real-world challenges using trigonometric thinking.

Career Pathways:



Trigonometry Honors - 322

1 Semester | 1.0 Credit | Grades 10-11

Prerequisite: To be eligible for Trigonometry Honors, a student must have earned an 80% or above in Algebra 2 Honors and Geometry Honors or a 90% or above in Algebra 2 and Geometry.

This fast-paced and rigorous course emphasizes the development of advanced problem-solving skills and mathematical reasoning. Students will work extensively with real numbers and algebraic expressions while writing, solving, and graphing linear equations and inequalities, including systems of equations. The course focuses on analyzing patterns and relationships, interpreting linear functions, and working with equations, graphs, and tables. Students will apply coordinate geometry to calculate and interpret slope and analyze data using scatter plots. Through data-driven activities, students will use measures of dispersion, interpret data displays, make predictions, and apply probability concepts to real-world situations.

Career Pathways:



Pre-Calculus Honors - 325

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Pre-Calculus Honors, a student must have earned an 80% or above in Trigonometry Honors or a 90% or above in Trigonometry.

This honors-level course emphasizes the development of strong problem-solving skills and mathematical reasoning. Students engage deeply with real numbers and algebraic expressions as they write, solve, and graph linear equations and inequalities, including systems of equations. The course focuses on analyzing patterns and relationships, interpreting linear functions, and connecting equations, graphs, and tables.

Students apply principles of coordinate geometry to calculate and interpret slope and analyze data using scatter plots. Through analytical and data-based activities, students examine measures of dispersion, interpret data displays, make informed predictions, and apply probability concepts to real-world contexts.

Career Pathways:



AP Pre-Calculus - 327

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for AP Pre-Calculus, a student must have earned an 80% or above in Trigonometry Honors or a 90% or above in Trigonometry.

This course explores Polynomial, Rational, Exponential, and Logarithmic Functions. Students will develop a deep conceptual understanding through modeling, symbolic fluency, and translating between representations. By the end of the year, students will have not only built a strong foundation for calculus and STEM pathways but also honed their reasoning, modeling, and communication skills at a college-ready level.

Career Pathways:



Calculus Honors - 330

1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for Calculus Honors, a student must have earned an 80% or above in AP Pre-Calculus or Pre-Calculus Honors.

This course is the culmination of the high school college preparatory mathematics and math analysis program. It includes the study of limits of functions, derivatives and their uses, integrals and their uses, and the use of calculus in solving practical problems. Much emphasis is placed on functions, functional theory, graphs, and solving situations.

Career Pathways:



AP Calculus AB - 307

1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for AP Calculus AB, a student must have earned an 80% or above in Calculus Honors.

This course is designed for the study of mathematical topics comparable to a first year calculus course in most colleges and universities. Upon successfully completing the AP exam at the end of the course, some institutions might offer college credit and allow students to begin the second year of the college sequence.

Career Pathways:



Integrated Math Capstone - 302IC

1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for Integrated Math Capstone, a student must have successfully completed Algebra 1 and Geometry.

This course serves as a capstone to Algebra 1 and Geometry, emphasizing the practical application of previously learned mathematical skills. Students will apply mathematical concepts to real-world situations, including interpreting and creating various types of graphs based on collected data. Instruction includes geometric concepts such as area, perimeter, and volume, as well as the use of percentages in practical contexts. All lessons and problem-solving activities are centered on real-life applications, career-related scenarios, and mathematical modeling connected to 21st-century technology and workplace expectations.

Career Pathways:



Consumer Math - 341

1 Semester | 1.0 Credit | Grade 12

This course is designed to expose students to business and consumer mathematics procedures. Topics to be discussed include: review of whole numbers, fractions, decimals, and percentage operations, statistics, banking procedures, payroll, discounts, simple and compound interest, annuities, consumer credit, depreciation, insurance, taxes, stocks and bonds.

Career Pathways:



MUSIC

Chorus - 775

Full Year | 1.0 Credit | Grades 9-12

This course is open to students interested in developing their vocal skills through participation in the Catasauqua High School Chorus, with a focus on musical performance and ensemble collaboration.

Career Pathways:



Concert Band - 772

Full Year | 1.0 Credit | Grades 9-12

This course is open to students interested in performing as instrumental musicians in the Catasauqua High School Band. Students will develop their musical skills through performance-based instruction and ensemble participation. Prior experience with the instrument being performed is required.

Career Pathways:



Digital Music Composition - 795

1 Semester | 0.5 Credit | Grades 9-12

This course introduces students to the fundamentals of music theory and composition. Students will learn the rules of part-writing and apply them to create original musical compositions. Through analysis of musical works by various composers, students will develop listening skills to identify intervals, chord progressions, melodies, and harmonic structures. Using GarageBand, students will explore music creation and production, learning how to manipulate sound to achieve specific creative goals and produce music connected to various cultural contexts.

Career Pathways:



Guitar - 794

1 Semester | 0.5 Credit | Grades 9-12

This course is designed for students with little to no prior guitar experience. Students will receive guided instruction as they develop foundational guitar skills and learn techniques essential for beginning musicians. Areas of study include proper posture, note reading, ear training, flat-picking, tablature, rhythm patterns, chord progressions, musical forms, and an exploration of influential guitarists and their styles. Due to instrument availability, enrollment is limited to 10 students per semester.

Career Pathways:



History of Rock and Roll - 796

1 Semester | 0.5 Credit | Grades 9-12

This course explores the evolution of Rock and Roll, beginning with its origins and tracing its development across decades and genres. Students will study influential artists and bands, analyzing factors that contributed to their successes and challenges throughout their careers. Through listening, discussion, and analysis, students will compare musical styles across eras and examine how music both reflects and shapes cultural and social trends.

Career Pathways:



Introduction to Music - 797



1 Semester | 0.5 Credit | Grades 10-12

In this introductory music course, students will recognize the development of music from a historical and cultural perspective. Students will study the fundamentals of music and discover basic music terminology, instrument families, tempo, rhythm, form and meter. These elements will then be used throughout the course as a foundation for discussion of music throughout history. Students will gain an understanding of the context in which music was created by recognizing and aurally identifying style characteristics, genres, and representative masterworks from various periods.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



SCIENCE

Physical Science - 417

1 Semester | 1.0 Credit | Grade 9

Physical Science is the foundational course for students that introduces the scientific principles used to understand the physical world. The course emphasizes the development of scientific skills through hands-on laboratory investigations, technology-based learning, problem solving, and critical thinking. Students will explore key concepts such as work and energy, Newton's laws of motion, the structure of matter, chemical reactions, rocks and minerals, and basic cell structure, building a strong foundation for future science coursework.

Career Pathways:



Physical Science Honors - 418

1 Semester | 1.0 Credit | Grade 9

Prerequisite: To be eligible for Physical Science Honors, a student must have completed 8th Grade Science with a 90% or above.

Physical Science Honors is a fast-paced, rigorous course for students that explores the scientific principles of the physical world. Through hands-on labs, technology, problem-solving, and critical thinking, students study topics such as work and energy, Newton's laws of motion, the structure of matter, chemical reactions, rocks and minerals, and basic cell structure, building a strong foundation for future science coursework.

Career Pathways:



Biology - 414

1 Semester | 1.0 Credit | Grade 10

Prerequisite: To be eligible for Biology, a student must have successfully completed Physical Science.

The course is geared to impart basic knowledge in the areas of molecular and cellular biology. Initial emphasis in these areas provides the foundation for investigating other aspects of biology, including genetics, reproduction, microbiology, evolution, plant and animal classification, and ecology. The development of an appreciation and basic understanding of the role of biology in our everyday lives is a key objective of this course. Laboratory work is used to provide students with hands-on experience in selected areas of biology. Students are expected to develop logical thinking, communication skills, and math skills through reporting on laboratory findings. In addition, advances in the area of biology are addressed to further aid in the development of student interest and competence in this selection.

*Students are required to take the Keystone Biology Exam at the end of this course.

Career Pathways:



Biology Honors - 412

1 Semester | 1.0 Credit | Grade 10

Prerequisite: To be eligible for Biology Honors, a student must have earned an 80% or above in Physical Science Honors or a 90% or above in Physical Science.

This course is an accelerated, rigorous biology course designed to emphasize the molecular, biochemical, and cellular aspects of biology. While the course will cover the same general topics as Biology 413, each area will be covered in greater detail and at a faster pace. Students should expect a greater workload with more reading and research assignments.

*Students are required to take the Keystone Biology Exam at the end of this course.

Career Pathways:



Chemistry 1 - 439

1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for Chemistry 1, a student must have successfully completed Physical Science and Algebra 1.

This course is designed to give students a basic understanding of the core concepts and principles of Chemistry. Course content will include the fundamentals of Measurement, Matter and Change, Atomic Structure, Basic Nuclear Reactions, Chemical Bonding, Nomenclature, Stoichiometry, Equation Writing and Principles of Chemical Reactions. Students will have one laboratory experience per unit which will require students to work in small groups and communicate their ideas clearly and logically in the form of a written lab report.

Career Pathways:



Chemistry 1 Honors - 442

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Chemistry Honors, a student must have earned a 90% or above in Algebra 1, Algebra 2 Honors, and Physical Science Honors or Algebra 1 CP, Algebra 2 CP, and Physical Science with an 90% or above.

This is a fast-paced, rigorous Chemistry course that deals with topics such as Matter and Energy, Atomic Structure, Nuclear Chemistry, Chemical Bonding, Nomenclature, Stoichiometry, Equation Writing and Principles of Chemical Reactions and Nuclear Reactions. Lectures and discussion are strongly supplemented by relevant demonstrations and laboratory experiences on a unit basis. The Chemistry Honors student will be expected to understand, apply, analyze and interpret concepts and principles discussed in both written and oral form.

Career Pathways:



Chemistry 2 Honors - 452

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Chemistry 2 Honors, a student must have earned an 80% or above in Chemistry 1 Honors or a 90% or above in Chemistry 1.

Chemistry 2 Honors is a continuation of Chemistry 1. The foundational materials from Chemistry I are expanded along with the introduction of new concepts such as Solutions, Reaction Rates, Equilibrium, Acids & Bases, Neutralization, Oxidation & Reduction Reactions, Electrochemistry, Hydrocarbons, and Functional Groups.

Career Pathways:



Physics 1 - 450

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Physics 1, a student must have successfully completed Physical Science.

This course introduces students to foundational physics concepts through real-world applications, visual models, and conceptual understanding, with less emphasis on advanced mathematics. Topics include mechanics, dynamics, circular motion, energy, states of matter, vibrations, and waves. Hands-on laboratory activities allow students to explore and deepen their understanding of key physics concepts.

Career Pathways:



Physics 1 Honors - 453

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Physics 1 Honors, a student must have earned an 80% or above in previous honors science course or a 90% or above in their previous science course..

The course is an intense, fast-paced introduction to Physics and is designed for students planning to pursue careers that rely heavily on physics, such as engineering, medicine, and other science-related fields. A strong mathematics background is required. Students will explore topics including mechanics, dynamics, circular motion, fluids, work, momentum, and sound through hands-on laboratory investigations. Emphasis is placed on scientific inquiry, data analysis using spreadsheets, and real-world application.

Career Pathways:



Anatomy & Physiology Honors - 436



1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for Anatomy & Physiology Honors, a student must have earned an 80% or above in Biology Honors or a 90% or above in Biology.

This course provides students, primarily in health-related programs, with an in-depth understanding of the anatomy and physiology of complex living organisms, including humans. Biological principles, as well as the structural and functional relationships among several organ systems, are discussed. The course covers the following systems: Cardiovascular, Lymphatic, Endocrine, Respiratory, Digestive, Urinary, and Reproductive, as well as nutrition and metabolism, and fluid and electrolyte balance. Detailed laboratory coverage accompanies the lecture portion of this course. Considerable dissection is required.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



Astronomy - 408



1 Semester | 1.0 Credit | Grades 9-12

Prerequisite: To be eligible for Astronomy, a student must have successfully completed Physical Science.

This course provides a conceptual overview of the universe and our place within it. Students begin with practical, earth-based observations to understand Earth's sky and beyond by looking at our inner solar system and human exploration. Key topics include solar physics, stellar evolution, and the identification of constellations and galaxies. Most topics are brought back to a direct connection with Earth to emphasize our place in space. Students work collaboratively, participate in three STEM explorations, research and present publicly to peers, and even examine how Astronomy is portrayed in film and pop culture.

Career Pathways:



Botany & Zoology - 464



1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Botany & Zoology, a student must have successfully completed Biology.

This course involves an in-depth study of how plants and animals have adapted to their habitats and how natural selection contributes to adaptations. The focus of this lab-based course is an evolutionary history of life on Earth coinciding with geological and environmental changes that have occurred over time. Studies may include, but will not be limited to, origins of life on Earth, origins of terrestrial life, comparative vertebrate studies, mammal diversity, primates and hominids, plant diversity, flowers, and arthropod and insect diversity. Students will dissect vertebrates and flowers as part of comparative studies, grow plants, and raise fruit flies.

Career Pathways:



Earth Science - 411

1 Semester | 1.0 Credit | Grades 9-12

Prerequisite: To be eligible for Earth Science, a student must have successfully completed Physical Science.

Discover the planet like never before by exploring the powerful forces that shape our world. This course takes a "systems approach" to science, revealing the fascinating ways the lithosphere (land), biosphere (life), hydrosphere (water), and atmosphere (air) interact to sustain our environment. From the depths of plate tectonics and the rock cycle to the future of energy resources, students will use scientific inquiry to decode Earth's history and its hidden treasures.

Career Pathways:



Environmental Science - 448

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Environmental Science, a student must have successfully completed Physical Science.

Environmental science is the study of patterns and processes in the natural world and their modification by human activity. To understand current environmental problems, we need to consider physical, biological, and chemical processes that are often the basis of those problems. This course will give you the skills necessary to address the environmental issues we are facing today by examining scientific principles and the application of those principles to natural systems. This course will survey some of the many environmental science topics, ultimately considering the sustainability of human activities on the planet. Environmental impacts on Earth come from the number of people and the amount and types of resources that they use. By applying scientific principles and considering real-world examples, we will examine: the field of environmental science and how to think like an environmental scientist; the human population and the ways in which changes in the population affect the environment; agriculture, soils and the environmental implications of eating meat, vegetables, local, organic, sustainable, industrial and other types of food; non-renewable fossil fuels with a focus on coal, petroleum and natural gas and the benefits and consequences of using each; renewable fuels such as wind and solar and identify that even renewable "green" energy sources have impacts as well as benefits; and biodiversity and global change, which are the integrating units of environmental science.

Career Pathways:



Marine Biology - 449

1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Marine Biology, a student must have successfully completed Biology.

The goal of the Marine Biology course is to give students a broad overall understanding and appreciation of marine ecology, taxonomy, and diversity. Students will learn about the diverse groups of marine organisms, variety of ecosystems, and current events in today's oceans, such as overfishing and ocean acidification. Through lecture, readings, projects, labs, and discussions students will learn about the diversity of ocean environments and how the organisms that live there are adapted to survive. The class will stress hands-on learning with labs, projects, and demonstrations. Students will come out of the class with an understanding of current events regarding the ocean and its overall health. Students will gain knowledge of how the environment plays a significant role in the survival and lifestyle of the organisms that live there.

Career Pathways:



Meteorology - 456

1 Semester | 1.0 Credit | Grades 9-12

Prerequisite: To be eligible for Meteorology, a student must have successfully completed Physical Science.

This course is an introductory course to meteorology. The emphasis of this class is dedicated to examining the atmosphere of our planet and the different types of weather that we observe on a daily basis. From tornadoes to blizzards to droughts, to hurricanes, this course will examine numerous aspects of the weather that affect Earth. Basic concepts in physical science will be tied into this class to demonstrate how Meteorology connects to the other sciences. By the end of this course, students will have the working knowledge required to be active observers of weather and will understand the root causes of various types of weather phenomena.

Career Pathways:



SOCIAL STUDIES

American History 2 - 219

1 Semester | 1.0 Credit | Grade 9

American History 2 examines the political, economic, social, and cultural changes that have shaped the United States from 1865 to the present. Students explore how historical events and everyday experiences influence current issues and future challenges. The course builds essential skills in critical reading, analytical writing, research, collaboration, and drawing evidence-based conclusions. While the textbook provides a chronological foundation, instruction is enhanced through cooperative learning, discussion, and multimedia resources. Students develop a deeper understanding of America's evolving identity and its role in a diverse, interconnected world.

Career Pathways:



American History 2 Honors - 218

1 Semester | 1.0 Credit | Grade 9

Prerequisite: To be eligible for American History 2 Honors, a student must have earned a 90% or above in American History 1.

This fast-paced course challenges students to think critically about how societies develop and influence one another. Through a multidisciplinary approach that includes history, economics, geography, and political science, students analyze global patterns, compare perspectives, and strengthen higher-level thinking skills. Emphasis is placed on geographic literacy, evidence-based reasoning, and understanding our interconnected world.

Career Pathways:



World Cultures - 224

1 Semester | 1.0 Credit | Grade 10

Explore how the world came to be the way it is today! This course invites students to examine the evolution of global systems and the interactions between societies through an exciting, multidisciplinary lens that includes history, geography, economics, political science, and sociology. Through hands-on activities, discussions, and analytical projects, students will build strong geographic skills, compare cultures and ideas, solve real-world problems, and develop higher-order thinking skills that bring global connections to life.

Career Pathways:



World Cultures Honors - 229

1 Semester | 1.0 Credit | Grade 10

Prerequisite: To be eligible for World Cultures Honors, a student must have earned an 80% or above in American History 2 Honors or a 90% or above in American History 2.

Honors World Cultures is a fast-paced, in-depth course for students ready to explore how civilizations have grown, connected, and influenced one another across time. Building on the topics of College Prep World Cultures, this course dives deeper into global history through a dynamic, multidisciplinary approach that highlights change, continuity, and cultural connections. Students will analyze major civilizations and events through hands-on activities, discussions, and close reading of primary and secondary sources. Expect challenging reading, thoughtful writing, and engaging discussions as you uncover the stories that shaped our world.

Career Pathways:



American Government - 234



1 Semester | 1.0 Credit | Grades 11-12

Discover how Government really works in this interactive and engaging course! Students explore the purpose, powers, and structure of government through topics like the Constitution, federalism, political parties, and citizen participation with a special focus on voting and civic responsibility. You'll also dive into interest groups, political systems, and the roles of state and local governments. With hands-on activities that bring government to life, this course helps students experience how laws are made, how decisions happen, and why informed citizens matter in shaping our world.

Career Pathways:



American Government Honors - 236



1 Semester | 1.0 Credit | Grades 11-12

Prerequisite: To be eligible for American Government Honors, a student must have earned an 80% or above in World Cultures Honors or a 90% or above in World Cultures.

This course offers an intensive, fast-paced, and in-depth examination of the foundations of American government, emphasizing the purpose, structure, and function of the U.S. political system. Students will study topics such as Constitutional law, federalism, political parties, voting rights, and the role of citizens in a democratic society. The course also explores political participation, interest groups, and the operation of state and local governments. Through critical thinking, analysis, and applied projects, students will develop a deeper understanding of how government functions at all levels and how citizens influence public policy and civic life. This rigorous course is designed for students seeking a challenging and comprehensive study of American political institutions and their impact on society.

Career Pathways:



Current Events for the Global Citizen - 251

1 Semester | 0.5 Credit | Grades 9-12

Stop scrolling and start decoding the world around you. In this fast-paced elective, students analyze headlines, social media, and journalism to separate fact from fiction and uncover media bias. Through news literacy, you'll learn how current events shape your community, your future, and your role as an informed global citizen.

Career Pathways:



Introduction to Psychology - 240



1 Semester | 0.5 Credit | Grades 10-12

Ever wonder why your brain works the way it does? Dive into the fascinating world of psychology to unlock the secrets of human behavior and the mysteries of the mind. From analyzing famous, controversial experiments to exploring the complex biology of the brain, you'll discover the "why" behind our every action. We'll investigate personality, psychological disorders, and altered states of consciousness like dreams and hypnosis. Gain a deeper understanding of yourself and others as you decode the science behind how we think, feel, and react.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



Introduction to Sociology - 242



1 Semester | 0.5 Credit | Grades 10-12

Why do we follow the "unwritten rules" of society? In Sociology, you'll investigate how group behavior and socialization shape who you are and how you interact with others. We'll tackle the big questions surrounding social hierarchies, stratification, and the systemic inequalities that define our world. By analyzing the invisible structures that influence everything from your education to your future career, you'll develop a "sociological imagination." Step behind the curtain of everyday life to understand the powerful forces that govern our communities and our global society.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



Sports & Society - 253

1 Semester | 0.5 Credit | Grades 9-12

This course explores how sports have shaped and been shaped by American society. Students examine the impact of race, gender, class, technology, and commercialization on sports across history. Through discussions, research, and team projects, students build collaboration, communication, and critical thinking skills, all while discovering the fascinating stories behind the games, athletes, and moments that define generations.

Career Pathways:



World Geography - 230

1 Semester | 1.0 Credit | Grades 9-12

Explore how the world works through the lens of geography. This course goes beyond map skills to examine the dynamic relationship between Earth's physical features and human societies. Using the Five Themes of Geography, students analyze how the environment shapes daily life, from food systems to city development, and how human activity continues to transform the planet.

Career Pathways:



World War 2 & The Holocaust - 244

1 Semester | 0.5 Credit | Grades 9-12

Explore the defining conflict of the 20th century as you examine World War II from its roots in World War I to the dawn of the Cold War. Through firsthand accounts, students analyze life on the battlefield and the American home front, uncovering lesser-known stories such as coastal defenses, POW camps, and the role of sports during wartime. The course also confronts the rise of totalitarian regimes and the Holocaust, offering a powerful look at how this era reshaped the world and revealed both the best and worst of humanity.

Career Pathways:



WORLD LANGUAGES

Spanish 1 - 503

1 Semester | 1.0 Credit | Grades 9-12

Spanish 1 is an introductory course designed for students beginning their study of the Spanish language. The course emphasizes listening, speaking, reading, and writing for basic communication. Students learn essential vocabulary, sentence structure, idiomatic expressions, and question formation, with a strong focus on the present tense and an introduction to the simple future tense using "ir a."

Cultural units provide an overview of practices, traditions, and customs from various Spanish-speaking countries. Students build a solid foundation in Spanish and develop confidence for continued language study.

Career Pathways:



Spanish 2 - 505

1 Semester | 1.0 Credit | Grades 9-12

Prerequisite: To be eligible for Spanish 2, a student must have successfully completed Spanish 1.

Spanish 2 is an intermediate-level course for students continuing to build their Spanish language skills. The course focuses on strengthening communication through an in-depth study of verb tenses, including the preterite and imperfect, with an introduction to the future and conditional tenses. Emphasis is placed on developing accuracy in grammatical structures so students can express ideas more clearly and confidently.

Cultural units expand students' understanding of the Spanish-speaking world as they explore topics such as food, travel, jobs, communication, shopping, and popular culture. Students will continue to develop their listening, speaking, reading, and writing skills while preparing for more advanced study in Spanish.

Career Pathways:



Spanish 3 Honors - 506



1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Spanish 3 Honors, a student must have successfully completed Spanish 3.

Spanish 3 is an advanced, honors-level course for students ready to take their Spanish skills to the next level. Topics include commands, comparisons, perfect tenses, por and para, the passive voice, if clauses, relative expressions, and time expressions using *hace* and *hacia*. Special attention is given to mastering the indicative and subjunctive moods, including both present and imperfect subjunctive, so students can communicate with greater precision and sophistication.

Cultural units bring the language to life as students discuss food and cooking, celebrations, daily responsibilities, manners, travel, and real-world situations such as accidents and medical needs. Students will continue strengthening their listening, speaking, reading, and writing skills.

*This course is offered for Dual Enrollment through LCCC.

Career Pathways:



Spanish 4 Honors - 507



1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for Spanish 4 Honors, a student must have successfully completed Spanish 3 Honors.

Spanish 4 is an advanced, honors-level course designed for students who want to communicate with confidence and think critically in Spanish. Grammar concepts are reviewed and refined in context, helping students express complex ideas with accuracy and style. Students will explore the rich histories, traditions, and perspectives of Spanish-speaking cultures around the world, including Spain, South America, Central America, Mexico, the Caribbean, and the United States. Various literary works such as articles, short stories, poetry, and excerpts from novels are read, analyzed, and discussed.

Career Pathways:



Spanish For Spanish Speakers - 502

1 Semester | 1.0 Credit | Grades 9-12

Prerequisite: Heritage or native speakers must test out of Spanish 1. All other students must successfully complete Spanish 1-4, as this course is taught entirely in Spanish.

Spanish for Spanish Speakers is a fast-paced and challenging course for advanced Spanish speakers, including native and heritage speakers who want to strengthen their reading, writing, and academic language skills. Students engage with authentic texts from the Spanish-speaking world while developing grammar, spelling, formal writing, and speaking skills. The course prepares students for upper-level Spanish study and effective communication in college, the workplace, and the community.

Career Pathways:



German 1 (Online) - CAV513



1 Semester | 1.0 Credit | Grades 9-12

Jump into learning German through an interactive and engaging introduction to the language! In this course, students build essential vocabulary, practice simple conversations, read short passages, and respond using complete sentences. You'll learn how to correctly use nouns, verbs, and common idiomatic expressions while developing skills in speaking, listening, reading, and writing. This course is designed to help you confidently begin communicating in German and build a strong foundation for future language study.

Career Pathways:



German 2 (Online) - CAV515



1 Semester | 1.0 Credit | Grades 10-12

Prerequisite: To be eligible for German 2, a student must have successfully completed German 1..

In the second year of German study, students continue to develop their understanding of grammar, vocabulary, and idiomatic expressions while expanding their language skills through short readings and stories. Emphasis remains on strengthening speaking, listening, reading, and writing abilities to build confidence and fluency in real-world communication.

Career Pathways:



Additional Languages Offered Online

1 Semester | 1.0 Credit | Grades 9-12

Opportunities may be available for students to study world languages not presently offered at the high school through online coursework. Students should contact their guidance counselor for eligibility and enrollment.

Career Pathways:



section 3

LCTI Course Offerings and Descriptions

Career and technical education, or CTE, helps students get more out of high school. Specifically, more opportunities to master practical skills, secure industry credentials, earn college credit, win scholarships, explore careers, develop leadership ability, and gain real-world experience. That's why Lehigh Career & Technical Institute is the smart choice for students who want to be college and career-ready when they graduate.

Operating with the support of all nine Lehigh County school districts, LCTI offers dozens of CTE programs taught by industry experts in five areas of study: Arts & Humanities, Business & Communication Technology, Engineering & Advanced Manufacturing, Health & Human Services, and Industrial Technology.

We are the largest career and technical school in Pennsylvania and, thanks to the support of our education and industry partners, among the best equipped nationwide. LCTI's campus is adjacent to Lehigh Carbon Community College in the Schnecksville section of North Whitehall Township and boasts a 450,000-square-foot facility outfitted with the latest software, tools, and equipment

ENROLLMENT OPTIONS

Academic Center: The Academic Center provides students in **grades 9-12** with the option of taking both their academic and career & technical course work at LCTI as full-day students. These rigorous academic courses will satisfy graduation requirements as well as complement the career & technical major of each student. Students will still graduate from their resident school districts and are encouraged to participate in extracurricular activities back at their sending school. Students will be able to register for the full-day program during their school district's regular course registration time.

Half-day enrollment: Students in **grades 9-12 may** choose the half-day enrollment option. The half-day option provides students with career & technical education at LCTI and the required academics at their respective school districts. Students are encouraged to take high-level coursework at the sending district which will provide the academic background necessary to be successful in today's highly technical careers.

Flex time enrollment: Another option that may suit students' individual needs is the flex-day program. The flex program is designed to provide students with technical coursework on a limited schedule. Students may choose to come to LCTI for one or more periods per day depending upon their needs. Students may attend one or both semesters and may attend for multiple years. Many students use this technical educational training as a jump start to a technical degree in a four-year institution. Both the half-day and flex-day options may be chosen during the regular course registration process.

LCTI PROGRAMS

Lehigh Career & Technical Institute (LCTI) offers programs across distinct career pathways that give students hands-on experience, industry credentials, and a head start toward college or the workforce. LCTI's programs span areas such as Arts & Humanities, Business & Communication Technology, Engineering, Health & Human Services, and Industrial Technology, where students build real skills, from graphic design and computer technology to welding and health sciences, often earning certifications or college credits along the way. Seniors can participate in specialized pathways like Future Educators, which includes dual-enrollment college credits and classroom experience in education, or Emerging Health Professionals, which blends classroom study with clinical exposure in healthcare settings. These career pathways are designed to help students explore fields they're passionate about and prepare for meaningful careers after graduation.

Career Pathway		LCTI Program Explanations
	Arts & Humanities	Click here for the updated list of LCTI Programs in the Arts & Humanities pathway.
	Business & Communication Technology	Click here for the updated list of LCTI Programs in the Business & Communication Technology pathway.
	Engineering & Advanced Manufacturing	Click here for the updated list of LCTI Programs in the Engineering & Advanced Manufacturing pathway.
	Health & Human Services	Click here for the updated list of LCTI Programs in the Health & Human Services pathway.
	Industrial Technology	Click here for the updated list of LCTI Programs in the Industrial Technology pathway.
	Academic Center	Students in grades 9-12 may opt to attend LCTI for a full day. Full-day students take college-prep academic courses in LCTI's Academic Center, rather than at their sending high schools. Click here to learn more about the Academic Center Program at LCTI.

ACADEMIC CENTER COURSE OFFERINGS

All courses in the LCTI Academic Center are college-preparatory and meet graduation requirements. Courses are assigned based on classes completed at the sending district prior to attending LCTI. All science courses are lab-based and a graduation project is required for all Academic Center students. The courses offered in the Academic Center are listed below.

English	Mathematics	Science	Social Studies	Other
ELA I	Algebra I	Principles of Scientific Inquiry	American Studies I	
ELA II	Geometry	Biology	American Studies II	Wellness / Fitness
ELA III Accelerated ELA III	Algebra II	Chemistry	World Cultures	Wellness / Fitness
ELA IV Accelerated ELA IV	Pre-Calculus	Physics I Physics II	American Government / Civics / Economics Accelerated American Government / Civics / Economics	Personal Finance
LCCC English Course	Calculus	Environmental Science		
	LCCC Academic Courses			

LCTI ACADEMIC CENTER COURSE SCHEDULE

Grade	Semester I	Semester II
9	Math, Science, ELA I, American Studies	Math, Science, ELA I, American Studies I
10	Math, Science, ELA II, American Studies II	Math, Science, ELA II, American Studies II
11	Math, Science, ELA III, *World Cultures or *Wellness / Fitness	Math, Science, ELA III, *World Cultures or *Wellness / Fitness
12	ELA IV, American Government / Civics / Economics, Wellness / Fitness, Math OR Science	ELA IV, American Government / Civics / Economics, Wellness / Fitness, Math OR Science

*Semester Course