

# JASPER-TROUPSBURG CENTRAL SCHOOL

HOME OF THE WILDCATS

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## Re: Notification of Advanced Coursework

Dear Wildcat Families,

The purpose of this letter is to inform you of the benefits and opportunities for your child to participate in advanced coursework.

While advanced coursework provides an opportunity for your child to gain skills and demonstrate competencies at a higher level, advanced coursework provides other benefits as well. Other benefits of participation in advanced coursework may include:

- improving a student's self-confidence and image of self.
- demonstrating a student's preparedness for college-level coursework.
- earning college credit(s) prior to graduation.
- reducing future costs for higher education.
- reducing the amount of time that the student must spend in secondary and/or post-secondary school.

The advanced courses offered in middle and high school at Jasper-Troupsburg include:

- College English
  - ACE Course, ENGL 1010 & ENGL 1020: Essay writing designed to sharpen the student's perceptions of the world through the study and use of non-fiction writings and to facilitate communications with correctness, clarity, unity, organization, and depth. Assignments include expository writing, argumentation, and research techniques. Essay writing course designed to advance critical, analytical, and writing abilities begun in ENGL 1010. Literary analysis and interpretation on works of fiction, poetry, and drama. (6 credit hours)
- College United States History
  - ACE Course, HIST 1110 & HIST 1120: Dreams and concepts brought to the New World and their development into America's institutions and social fabric. Conflict and consensus among groups, dilemmas facing revolutionaries and reformers, and ways economic, political and social changes have occurred. End of the Civil War to the present. Topics include: industrial-urbanization, racism, sexism, the new manifest destiny, political changes, and the growth of a modern nation. (6 credit hours)

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- College Federal Government
  - ACE Course, GOVT 1010: Theories and practices of American Federal Government with emphasis on the national level. Changing relationships between the branches of the national government, policy formulation, political parties, pressure groups, and the growth of presidential powers. (3 credit hours)
- College PreCalculus
  - ACE Course, MATH 1413: The characteristics of elementary real functions including algebraic and graphical analysis, inequalities, absolute values, logarithms, trigonometry of real numbers, plane analytic geometry, polar coordinates, complex numbers and Binomial Theorem. (4 credit hours)
- College Calculus
  - ACE Course, Math 1610: The first semester of differential and integral single variable calculus. Basic theory using algebraic and trigonometric function and applications are covered concurrently. Topics include limits, derivatives, considered by algebraically and graphically, differentials and their use as approximations, the indefinite and definite integrals with applications to areas, volumes, surface area, arc length, moments and center of mass. (4 credit hours)
- College Spanish
  - ACE Course, SPAN 2010 & SPAN 2020: Development of facility in reading, writing, speaking and understanding the language through a systematic review of its structure. Representative readings as an introduction to Spanish civilizations. A thorough analysis of the language; intensive discussion of grammar, usage, style and vocabulary, enhancing expression through composition, oral reports and more informed class discussions and conversations. (8 credit hours)
- College Psychology
  - ACE Course PSYC 1101: An introduction to psychology. Includes scientific method, measurement in psychology, motivation, learning, thinking and problem solving, perception, behavior disorders and varieties of treatment, biological basis of behavior, social determinants of behavior, human development and personality. (3 credit hours)
- College Business Math
  - ACE Course, BUSN 1033: The four arithmetic processes and the algebra of business. Application of mathematics to typical business problems. Taxes, insurance, payroll, depreciation, trade and cash discounts, markup, simple interest and bank discounts, and financial statement analysis. (3 credit hours)
- Earth Science
  - Local Regents Level Course: This course involves meteorology, geology, and astronomy. It deals with the composition of the earth, forces acting upon the earth's crust and interior, the nature and motion of celestial bodies and their relationship to the earth, and the study of weather and climate. Students will be expected to take the Earth Science Regents exam at the end of the course. Laboratory is essential for the completion of the course and admission to the Regents exam.
- Algebra 1
  - Local Regents Level Course: Algebra 1 course includes the study of properties and operations of the real number system, evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations. At the end of the year, students are required to take the New York State Next Gen Algebra 1 Regents exam.

- Math 8
  - This course emphasizes proficiency in skills involving numbers and operations, measurement, patterns, and simple functions, algebra, geometry, statistics, and probability. Specific content depends upon most recent state standards for grade 8.
- Career and Technical Education
  - CTE Programs offers high school students the opportunity to learn job skills through instruction and hands-on experience. Students can use these skills to start a career right after high school or as preparation for college or the military. Please refer to: [https://issuu.com/proudtobegst/docs/24-25\\_cte\\_catalog\\_1.10.24](https://issuu.com/proudtobegst/docs/24-25_cte_catalog_1.10.24) for the current CTE offerings located at GST BOCES.

To be eligible for these courses, students must prepare by:

Please note the prerequisites for the following courses:

- College English
  - 85% or higher on the English 3 Regents Exam. 85% or higher in the English 3 course.
- College United States History
  - 85% or higher in the Global 2 course and/or 85% or higher on the Global 2 Regents.
- College PreCalculus
  - Successful completion of: Algebra 1, Geometry, and Algebra 2 high school courses.
- College Calculus
  - Successful completion of: Algebra 1, Geometry and Algebra 2 high school courses.  
Also, successful completion of: College PreCalculus (MATH 1413).
- College Spanish
  - Successful completion of: Spanish 1, Spanish 2, and Spanish 3 high school courses.
- College Psychology
  - Successful completion of: English 3 and/or a high school GPA of 85%.
- College Business Math
  - Algebra 1 course and Regents score of a 65% or higher
- Algebra 1
  - Successful completion of Math 8
- Earth Science
  - Earth Science student acceleration must meet the following requirements:
    - Successful completion of Science 7
    - Accelerated Math student (see requirements below)
- Math 8
  - Math 8 student acceleration must meet the following 3 requirements:
    - Math 6 average of: 92% or higher
    - Math iReady score of 520 or higher
    - Math Teacher Recommendation
- Career and Technical Education
  - Students must have completed the required 9<sup>th</sup> and 10<sup>th</sup> grade course credits to have achieved an 11<sup>th</sup> grade level standing.

The courses available to your child in the 2024-2025 school year include the courses listed above. Students also have the ability to participate in online ACE (Accelerated College Education) coursework through Corning Community College's High School College Education Online program

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and GST BOCES ACE Plus Program (Advanced Course Access). These courses vary each semester per year. You may reach out to the guidance office for course information.

The following supports are provided by your child's school to help students succeed in advanced courses:

*Academic Supports*

- Academic Intervention Services (AIS)
  - The provision of academic intervention services is intended to increase achievement for students who are struggling to meet the New York State Learning Standards.

*Non-academic Supports*

- Peer Tutoring
  - Academic support service in which students support other students in the learning process.

Financial aid available to your child includes: There is currently no financial aid available to students taking ACE courses. Currently, all ACE courses are free, however students who participate in the High School College Education Online program through Corning Community College are responsible for all the required materials/books associated with the course.

This information can also be found on our website at [www.jtcsd.org](http://www.jtcsd.org) . Questions related to your child's participation in advanced coursework may be referred to Mrs. Kropp at 792-3690 or [dkropp@jtcsd.org](mailto:dkropp@jtcsd.org).