

# BERGEN COUNTY TECHNICAL HIGH SCHOOL

## TETERBORO CAMPUS

A Public Magnet High School of Choice

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**PROGRAM DESCRIPTIONS & GENERAL INFORMATION**  
**FOR SCHOOL YEAR 2022-2023**

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The Bergen County Technical School District does not discriminate on the basis of race, age, creed, religion, ancestry, national origin, socioeconomic status, affectational or sexual orientation, gender, disability, or marital status.

# TETERBORO AT A GLANCE

## School & Community

A model of excellence and reform in the 21st century, the Bergen County Technical High School – Teterboro, is located within 10 miles of New York City. Prospective students from seventy (70) towns in Bergen County are selected through a rigorous admissions process that evaluates middle school grades, standardized test scores, teacher recommendations and assessments in writing and math. The school's enrollment is 673 students and mirrors the diversity of Bergen County with the total minority enrollment at 58%: 41% Caucasian, 31% Asian, 19% Hispanic, 7% African American, and the remaining Pacific Islander, American Indian or other. U.S. News & World Report ranked Bergen County Technical High School – Teterboro #8 among New Jersey high schools, #92 among national high schools and #164 among STEM high schools.

## Curriculum

The school's college preparatory curriculum provides for a broad scope of knowledge in science, mathematics, social studies, language arts, world language, and the creative arts. Selecting from nine (9) majors (Aerospace Engineering, Automotive Engineering and Design, Computer Science, Commercial Art & Graphic Design, Culinary\*, Digital & Media Arts, Fashion Design & Merchandising, Law & Justice, Strategic Asset Management), students follow a coherent scope and sequence of courses that are Advanced Placement, Honors, or College Level. Aligned to the New Jersey Student Learning Standards (NJSLS) and partnering universities, students are well prepared for college and beyond. Partnering universities include Bergen Community College, Fairleigh Dickinson University, New Jersey Institute of Technology, Syracuse University Project Advance, Kean University, and Rochester Institute of Technology. Visit our website for a complete list of dual enrollment classes.

## Senior Internship

All seniors devote each Wednesday to a year-long individualized Senior Experience internship program. The Senior Experience internship program is a Board-approved graduation requirement equaling five (5) credits.

## Graduation Requirements

*\*All students graduate with over 160 credits; exceeds the state requirement of 125 credits.*

Community Service: 60 hours	Senior Internship: 5 credits	Financial Literacy: 2.5 credits
Science: 18 credits	Language Arts: 20 credits	Social Studies: 15 credits
Math: 15 credits	World Language: 10 credits	Phys. Ed/Health: 15 credits
Visual/Performing Arts: 5 credits		

# CORE ACADEMICS

**“We cannot build the future for our youth—but we can build our youth for the future.”**

*—Franklin Delano Roosevelt*

## SOCIAL STUDIES

The digital age has transformed social studies education, allowing 21st-century learners to transcend the limits of time and place and experience historic events virtually. By expanding their learning networks through online collaboration with experts and other students from around the world, social studies students develop an increased depth of understanding of our global society. At the same time, their understanding of the fundamental principles and values of American democracy and citizenship provides the conceptual framework that allows them to make informed decisions about local, national, and international issues and challenges.

The mission of the BCTHS-Teterboro Social Studies Department is to foster a student body that:

- Is civic minded, globally aware, and socially responsible.
- Exemplifies fundamental values of American citizenship through participation in local and global communities.
- Makes informed decisions about local, state, national, and global events based on inquiry and analysis.
- Considers multiple perspectives, values diversity, and promotes cultural understanding.
- Appreciates the global dynamics between people, places, and resources.
- Utilizes emerging technologies to communicate and collaborate with citizens of other world regions.

Students who excel and are interested in humanities studies may take the following advanced courses: AP U.S. History, AP U.S. Government, Global Challenge (accredited through Fairleigh Dickinson University), and Sociology (accredited through Syracuse University).

## MATHEMATICS

The evolving field and discipline of mathematics requires complex problem solvers who can devise creative and alternative solutions. The goal is to foster individuals who understand concepts rather than rote memorization of formulas. With this in mind, heavy emphasis is placed on the development of critical thinking in the classroom that allows students to translate these skills to other facets of their lives.

As life-long learners, mathematics faculty members are committed to continued professional growth, embracing change, self-reflection, and meeting the needs of the students and community at large. As a result, the department has shown continued success throughout all courses. A majority of our students take at least one Advanced Placement (AP) course in mathematics. Students who successfully pass the BC Calculus exam are not only able to gain credit for two semesters of college calculus, but may also take MAT 397 Calculus III, which is an accredited course through Syracuse University.

## LANGUAGE ARTS

To thrive in colleges, universities, and beyond, students must be adequately prepared as literate persons. They must readily undertake the close, attentive reading that is at the heart of understanding and enjoying complex works of literature. Faculty use a literature-based curriculum that emphasizes the development and mastery of reading, writing, and critical thinking skills. Students are exposed to classical, modern, and contemporary texts that challenge them to analyze literature and culture from multiple perspectives.

Students perform the critical reading necessary to pick carefully through the staggering amount of information available today in print and digital format. They actively seek the wide, deep, and thoughtful engagement with high-quality literary and informational texts that builds knowledge, enlarges experience, and broadens worldviews. They demonstrate the cogent reasoning and use of evidence that is essential to both private deliberation and responsible citizenship in a democratic republic. Students strive to develop the skills in reading, writing, speaking, and listening that are the foundation for any creative and purposeful expression in language.

# AT TETERBORO

## SCIENCE

Utilizing a “physics first” approach in the core scope and sequence, students learn in a manner that is a re-sequencing of traditional high school science courses. It is the belief of the science department that mastery of basic physics concepts is crucial to the understanding of chemical structures. Furthermore, in order to understand modern molecular biology and biochemical processes in cells, students need a solid background in both physics and chemistry.

Scientific literacy assumes an increasingly important role in the context of globalization. The rapid pace of technological advances, access to an unprecedented wealth of information, and the pervasive impact of science and technology on day-to-day living require a depth of understanding that can be enhanced through quality education. In the 21st century, science education focuses on the practices of science that lead to a greater understanding of the growing body of knowledge that is required in an ever-changing world.

Students are required to apply scientific thinking to problems on all levels. Hands-on investigations are essential in the education of science processes and methodologies. All core and some Advanced Placement courses include a laboratory component; meaningful learning experiences that promote the ability to ask, find, or determine answers to questions derived from natural curiosity about everyday things and occurrences. Most importantly, students are empowered to evaluate claims on the basis of evidence and explore connections between science and modern society. In fact, many of our students partake in research projects and competitions beyond the scope of the classroom.

## PHYSICAL EDUCATION/HEALTH

To promote a healthy mind and body, students are given opportunities to engage in frequent and diverse activities necessary to support and build a healthy lifestyle. At the core of their instruction, faculty members emphasize and promote teamwork, respect, and responsibility. More importantly, authentic learning extends far beyond the boundaries of the gym or playing fields. The curriculum is designed to motivate

individuals. Our program is coeducational and offers a wide variety of activities.

The physical education program has been designed to enhance our students’ ability to lead healthy and productive lives through participation in fitness-related activities. Our program provides an appropriate setting for students to develop the physical, social, and cognitive skills necessary to acquire healthy habits and enjoy lifelong fitness. PE courses are mandated by the State of New Jersey; all students must complete four years of PE to graduate.

The health education program affords learning opportunities that motivate and educate students to protect, maintain, and improve their own health and that of others. Topics such as disease prevention and treatment, human growth and development, substance abuse prevention, mental health, and cardiopulmonary resuscitation (CPR) are all examined.

## WORLD LANGUAGES

Today’s students are part of a dynamic, interconnected, and technologically-driven global society centered on the creation and communication of knowledge and ideas across geographical, cultural, and linguistic borders. Individuals who effectively communicate in more than one language, with an appropriate understanding of cultural contexts, are globally literate. This global literacy brings about long-term worth in fostering personal, work-related, and/or financial success in our increasingly interconnected world.

At Bergen County Technical High School/Teterboro, students develop proficiencies in listening, speaking, reading, and writing throughout their coursework, enabling them to communicate in more than one language with the skill level required to function in a variety of occupations and careers. Knowledge of several languages empowers individuals by opening economic and social opportunities, and promotes tolerance and diversity as well as solidarity. Language acquisition allows us to bridge cultural barriers, promotes ways of interpreting our diverse world, and stimulates intellectual curiosity. French, Mandarin, and Spanish are currently offered.

## ACADEMIC

A strong curricular foundation underlies the specialized academic and technical programs that prepare our students for success in and beyond college. All courses are aligned to New Jersey Core Curriculum Content Standards, Common Core Standards, specifications determined by the College Board in Advance Placement classes, and industry standards. Academic course work is at the Honors or Advanced Placement Level.

### Class of 2021 Average GPA Breakdown

	4.0–3.67	3.660–3.00	2.999–2.466
% Class	58%	48.6%	3.4%

*Average GPA for the Class of 2020 was 3.54.*

### Class of 2021 AP Score Distribution

SCORE	# OF EXAMS	% OF EXAMS
5	216	27%
4	220	28%
3	202	25%
2	110	14%
1	40	5%

*In 2021, students took a total of 778 Advanced Placement exams with an average score of 3.6. Bergen Tech had 179 AP Scholars and 9 AP Capstone Awards.*

### 2021 College Board National Recognition Program

Program	Recipients
African American Recognition Program	5
Hispanic American/Latinx Recognition Program	7
Indigenous Recognition Program	1

### 2021 National Merit Scholarship Program

Program	Recipients
Commended Scholar	34
Semifinalist	5
Finalist/Scholarship Recipient	2

# EXCELLENCE

## GPA and Class Rank

Due to the composition of the student body, students are NOT RANKED. Grade point averages are calculated yearly based on the final grade attained in each course.

### Class of 2020-2021 | Average SAT Test Scores

SECTION	TETERBORO	NEW JERSEY	NATIONAL
Critical Reading	667	541	528
Math	712	540	523

### Class of 2020-2021 | Average ACT Test Scores

SECTION	TETERBORO	NEW JERSEY	NATIONAL
Composite	30.7	24.4	20.8
English	31.8	N/A	19.9
Math	30.4	N/A	20.2
Reading	30.8	N/A	21.2
Science	29.5	N/A	20.6

### Advanced Placement Courses

AP Biology	AP Calculus AB	AP Calculus BC	AP Chemistry
AP Chinese Language and Culture	AP Computer Science Principles	AP English Language and Composition	AP English Literature and Composition
AP Human Geography	AP Macroeconomics	AP Microeconomics	AP Physics 2
AP Physics C: Electricity and Magnetism	AP Physics C: Mechanics	AP Statistics	AP Research
AP Seminar	AP Spanish Language and Culture	AP Studio Art: 2-D Design	AP United States History



# PROGRAM DESCRIPTIONS

## AEROSPACE ENGINEERING

"A new century has begun. As a student you will be spending your life in the 21st century and the future may offer many unpredictable opportunities. It will be a time of space stations and robotic probes. Manned missions to other planets and moon outposts are future possibilities. All this, and more scientific accomplishments that have not been dreamed of, will happen because Americans want to live and work in space."

—NASA

The roots of aerospace engineering can be traced back to the aviation pioneers, Orville and Wilbur Wright's, successful flight of the Wright Flyer in 1903 at Kitty Hawk, North Carolina. Since those early days, the field has grown exponentially; both scientifically and technologically. Aerospace Engineering is the primary branch of engineering concerned with the research, design, development, construction, testing, science, and technology of aircraft and spacecraft. More specifically, aerospace engineers develop new technologies for use in aviation, defense systems, and space exploration, often specializing in areas such as structural design, guidance, navigation and control, instrumentation and communication, and production methods. They also

may specialize in a particular type of aerospace product such as commercial aircraft, military fighter jets, helicopters, spacecraft, or missiles and rockets.

The Aerospace Engineering program offers students the opportunity to pursue studies in a field that requires solving problems that may not be fully defined, but, in spite of this, require imaginative and sophisticated solutions!

Upon completion of the program, a graduate will have a working knowledge of Computer Assisted Design (CAD), and both college-level and AP coursework.

### CURRENT COURSES:

- Introduction to Aerospace Engineering
- Principles of Aerospace Engineering
- Digital Electronics
- AP Computer Science Principles
- Applied Aerospace Engineering
- Aerospace Engineering Seminar
- Space Systems



*Students in the Aerospace Engineering Program utilize state-of-the-art training equipment such as a flight simulator and a wind tunnel that can monitor objects for lift and drag while students accurately control actual wind speed.*





# PROGRAM DESCRIPTIONS

## AUTOMOTIVE ENGINEERING & DESIGN

The Automotive Engineering and Design program is an innovative, student-centered program that engages learners in authentic engineering experiences and inspires them to embrace an engineer's habits of mind. Unlike past periods of innovation in the industry, the future of transportation will be particularly interesting because many of the changes will come from outside of the traditional workings of an automobile.

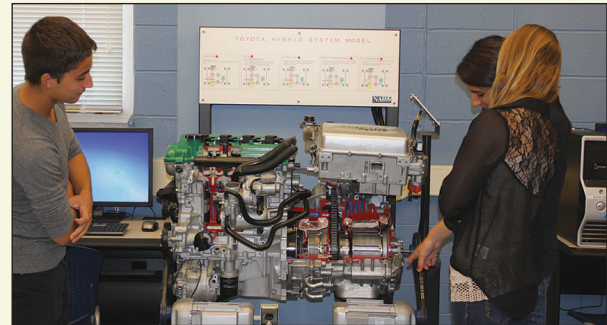
Automation and the shared economy will change how the entire commuting model works. Meanwhile, an increased penetration of electric vehicles will have an impact well beyond the engine, as charging infrastructure needs to be added, battery supply chains need to be created, and as legacy auto parts become obsolete.

While these transitional changes take place, the auto market is expected to jump from \$3.5 trillion (2015) to \$6.7 trillion (2030) in total size—and a whopping 30% of the revenue will come from new services that don't even exist today. Given the unknown and rapidly changing future of transportation, students in AED will develop a basic understanding of the mechanics of an automobile; the core of the program is engineering.

The AED program will highlight the future of innovation in the field of transportation, and foster a strong grasp of four major technologies: automation, connectivity, electric power, and the shared economy.

**A: Automation:** Perhaps the most obvious and fundamental change facing the field of transportation is the rise of autonomous vehicle. Not only does this technology have implications on major manufacturers and suppliers to the sector, but giving the cars the ability to self-drive will have an impact that extends well beyond it as well. The passenger economy, which will come from relieving people from the driver's seat, is expected to be a \$7 trillion industry alone by 2050.

**C: Connected:** New cars are already taking advantage of increased connectivity today, and it will soon be the norm even in lower-end vehicles. This added networking unlocks new features such as infotainment, enhanced safety features, diagnostics and analytical tools.



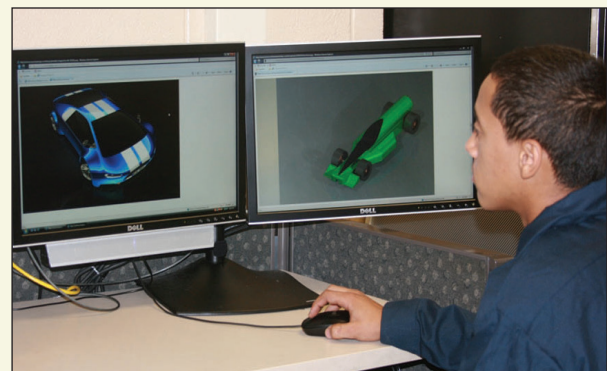
**E: Electric:** In just seven years since its IPO, Tesla was able to leapfrog Ford in market valuation. Yet, this is still the very beginning of the EV revolution. Many countries have announced regulations to curb gas- or diesel-fueled vehicles, and EVs are expected to hit 41 million in global sales by 2040.

**S: Shared:** The shared economy is the result of technological factors, but also societal ones. However, when combined with automation, sharing presents a fundamental shift to how commuting and transportation will work in the future.

Although the future may be unknown, graduates from the AED program will be ready for the next chapter of innovation in the field of transportation.

### CURRENT COURSES:

- Foundations in Auto Engineering Design
- Intro to Automotive Technology
- Intro to Engineering Design
- Digital Electronics
- Engineering Design Lab
- Capstone
- Systems Analysis



# PROGRAM DESCRIPTIONS

## COMMERCIAL ART & GRAPHIC DESIGN



Commercial art, also referred to as graphic design, is the art of creative services. The program primarily focuses on areas such as design, communication, and marketing. The intention of the commercial art & graphic design program at BCTHS-Teterboro is that all students will have a depth of knowledge of fine arts, visualization and media. Students study essential aspects of the commercial art field through a curriculum that embraces new technology while emphasizes principles of art and design. Studio classes include graphic design, multimedia design, web design, and advertising and marketing.



Students engage in a real-world curriculum that is driven by high expectations, computer graphics instruction, and current graphic imaging technologies. A program requirement is the creation and maintenance of a portfolio that exhibits a high degree of creativity as well as technical proficiency.

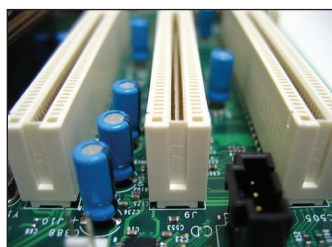
The school's proximity to New York City gives students access to internships in hundreds of production houses that support the art and imaging needs of prestigious area businesses.

### CURRENT COURSES:

- Foundations of Graphic Design through Art History
- Fundamentals of 2D Design & Drawing
- Graphic Design Studio I
- Graphic Design Studio II/Professional Practice

## COMPUTER SCIENCE

This program seeks to educate students with the understanding of real-world computing needs, as demonstrated by their ability to address technical issues involving computing problems encountered in industry and government. The curriculum is aligned with the most recent trends in the field of computer science leaning toward mobile app development and cloud-based computing.



The program supports research in communications information, network theory, and programming. The Department's priorities focus on computer programming theory; key topics

include object-oriented programming and data structures. With emphases on both client- and server-side programming, research priorities include efficient design of a multitude of program types and their application to real problems.

### CURRENT COURSES

- Intro to Object-Oriented Design
- Intermediate Programming
- AP Computer Science Principles
- Advanced Programming
- Networking I
- ECS 102: Introduction to Computing
- Cloud Computing
- Econ 305: Personal Financing

Electives:

- CPS 155: Intro to Cybersecurity
- Mobile App Development
- Networking II



# PROGRAM DESCRIPTIONS

## CULINOLOGY®

"The emerging discipline of blending the culinary arts and the science of food."

The Culinology® program blends the science and technology of food production and preservation research with cooking and the culinary arts. BCTHS-Teterboro's program was approved by the education committee of the Research Chefs Association, and is the first high school program of its kind in the United States. The school is furnished with the nation's only Culinology® facility; a separate science laboratory to conduct food chemistry and food microbiology experiments is complemented by a state-of-the-art kitchen.

The program offers strong partnerships with corporations such as Pepsi and universities including Rutgers to provide a unique hands-on experience for students as they complete their course work. Students enrolled in the program who are interested in pursuing an undergraduate degree in the area of Culinology® will be better prepared for the science and technology curricula that they will have to master once they get into college. Culinology® graduates are prepared for careers in research and development of food products, new ways to store and manufacture foods, and new products that meet health and safety standards.

### CURRENT COURSES

- Culinary Essentials I
- Intro to Culinology®
- Nutrition Food and Health
- Culinary Essentials II
- Chemistry of Food
- Advanced Culinology®
- Microbiology



## DIGITAL & MEDIA ARTS

Digital Media is the integration of digital art, design, technology, and broadcasting. New innovations, breakthrough technologies, and changing consumer habits are redefining the digital media landscape. Students must be prepared to be creative leaders with the skills and knowledge to meet the design and communication challenges of the 21st century. Additionally, they must be broadly educated, articulate, scholarly, visually sophisticated, and capable of active participation in all phases of the design process. This program's curriculum comprises a mix of traditional graphic design, interactive and web design, motion design, and video production.

With a specialization in this area of study, our students acquire strong critical thinking skills and aesthetic abilities while gaining an in-depth understanding of the strengths and weaknesses of various types of digital media and technologies. Classroom instruction and activities provide opportunities for students to augment their digital animation, interactive multimedia, and many other technical skills. Utilizing text, sound, graphics, animation, and video, the students are able to inform and entertain audiences.

Upon completion of the program, students will possess the technical competence required to create and maintain a website, transform scripts into video productions, edit audio and video program material using non-linear editing stations, create stereo mixes of multi-track audio material, work with multiple software programs to create still and motion graphics, and publish video to the web.

### CURRENT COURSES

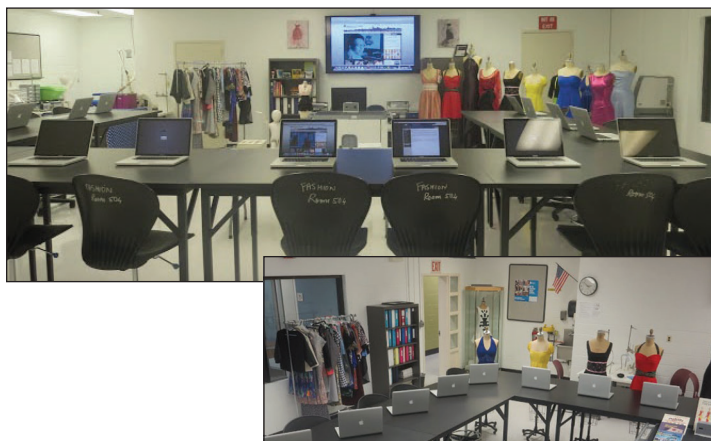
- Introduction to Digital Media
- Graphics and Animation
- Intro to Broadcast Media
- Broadcast Media and Journalism
- Advanced Video and Audio Production
- Broadcast Media Capstone





# PROGRAM DESCRIPTIONS

## FASHION DESIGN & MERCHANDISING



Giving form and function to clothing, Fashion Design & Merchandising expresses itself in the language of style, ever-changing in harmony with the attitudes of the time and fundamental human need. Utilizing high-end computer interfaces, students experiment with design concepts and patterns before turning ideas into fashion statements that continue to move the industry forward into new visual and practical territory.

At the core of the Fashion Design Program lies a fully-equipped design studio. Students weave their way from pattern

making to the construction of finished garments as they study all aspects of fashion design and merchandising.

Students consistently receive local and national recognition for their creations, and actively participate in annual Skills USA conferences/competitions and community projects. With academic achievement and high performance in Fashion Design, graduates are well qualified for numerous entry-level positions, as well as entrance into world-renowned fashion design institutes, colleges, and universities.

### CURRENT COURSES

- Foundations in Fashion Design
- Apparel Design I
- Apparel Design II
- Apparel Design III
- Fashion Art & Design I
- Fashion Art & Design II
- Fashion Art & Design III

## LAW & JUSTICE

The Law & Justice program provides students an in-depth background in the foundation of laws, law practice, forensic science, criminology, and technical methods used today by various agencies to protect the public. Students will analyze the foundation of laws from common law to constitutional law, the American system of justice, court structures, and individual rights provided by the Constitution. Additionally, students will learn the art of debate.

Academic courses integrate technical writing methods to develop reports, legal briefs, summaries, and arguments utilized to present scientific evidence, legal defenses, and position documents. The program also offers courses in the history of various public safety agencies and the mathematical principles needed to solve the mechanics of an event.

Through partnerships with local, state, and county agencies, members of the Bar and the judicial system, and various specialists employed in judicial and public safety professions, students are exposed to a variety of immersive experiences in the theoretical, practical, and technical arts and sciences associated with law, criminal justice, and public safety. A student graduating from this program will be well prepared to continue her/his education at a university.

### CURRENT COURSES

- Intro to Law and Justice
- AP US Government & Politics
- Constitutional Law
- PAF 101: Intro Analysis of Public Policy
- Criminology
- CHE 113: Forensic Science
- Senior Seminar/Financial Literacy

One of our faculty members was recognized as a 2012 Syracuse University Project Advance Teacher of the Year for exemplifying "...a commitment to innovative and effective real-world learning strategies" and "a determination to prepare students to be successful,

# PROGRAM DESCRIPTIONS

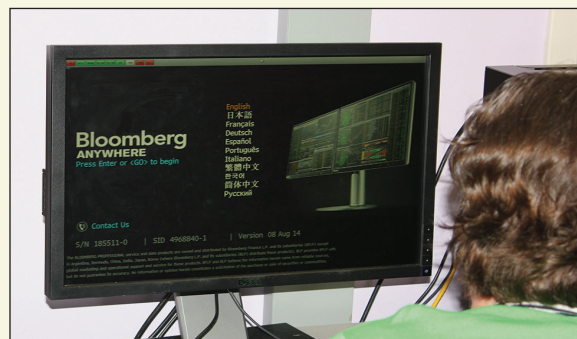


Students in the Law & Justice Program participate in a Senior Capstone Project in Washington, D.C. They schedule interviews with influential policymakers and legislators associated with particular federal issues in which they have an interest.

Law & Justice students (below) gathering evidence at a crime scene as part of their Forensic Science studies.



## STRATEGIC ASSET MANAGEMENT



Strategic Asset Management (S.A.M.) capitalizes on our proximity to New York City—the financial capital of the world. Students are prepared for a variety of careers in the financial services sector, including investment and commercial banking, brokerage, trading, and investment management. The program consists of a rigorous academic curriculum that engages students to learn sophisticated content. A “theory in action” approach teaches concepts in finance and economics through their impact on financial markets. Students focus on how companies create wealth as well as how investors evaluate risk and growth potential.

The program emphasizes the use of case study analysis. Students utilize mathematical reasoning in the assessment of risk factors. S.A.M. focuses on the development of skills that provide students the foundation required to enter and be successful at premier colleges.

### CURRENT COURSES

- Intro to Business Management
- Strategy Formulation
- AP Macroeconomics
- ACC 151: Intro to Financial Accounting
- AP Microeconomics
- Portfolio Management
- Derivatives Trading





# SCHOOL COUNSELING

For each student, a successful experience in high school is crucial to a solid foundation for future success. To that end, it is important to understand that success is predicated on meeting the needs of the whole student. With this in mind, BCTHS/Teterboro is proud to offer students a comprehensive school counseling program in Naviance, the web-based college readiness platform used by our school district. This program enables us to meet the development of the social, emotional, psychological, and educational aspects of each student. In addition, the school gives parents and students individual registration codes for Naviance/Family Connection early in freshman year. Students access to iPads and iMacs in the school's Counseling Center to complete their respective Naviance program during their four years.

Our goal is to ensure that our students and families find this process to be informative, collaborative, and successful. Utilization of Naviance/Family Connection, along with student access to iPads and iMacs in the school's Counseling Center, provides students the ability to complete their respective Naviance programs and be adequately prepared for college and beyond.

## School Counseling Department Contact

Sharon Genicoff	shagen@bergen.org
Monet Kendall	monkel@bergen.org
Cynthia Mak	cynmak@bergen.org
Carlos Pena	carpen@bergen.org

## School Counseling through Naviance/Family Connection:

- Transition Survey
- Game Plan Survey
- Career Cluster Finder
- Study Skills Survey
- Learning Style Inventory
- Enrichment Program Search
- Career Interest Profiler
- Student Profile
- Intake Conference Worksheet
- Take PLAN, PSAT, SAT, SAT Subject Tests, ACT, AP
- SuperMatch College Search
- Completion of FAFSA
- Scholarship Search
- Common Application
- Graduation Survey

# CLUBS/ACTIVITIES

At BCTHS/Teterboro we offer students the chance to participate in numerous, diverse, and exciting extracurricular activities, including:

Action is Magnanimous

BT Ink

Chemistry Club

Chess Club

Code Club

Computer Club

C3 Club

Drama Club

Engineering Club

Girl Up

Heroes & Cool Kids

Harvester's Club

Knights News

Lemon Club

Math Club

Model UN

National Honor Society

Open Research Forum

Peer Leaders

Physics Club

Ski/Snowboard Club

Skills USA

Spanish Multicultural Club

Student Council

HOSA

(Future Health Professionals)





# ATHLETICS

Athletic programs are an integral part of the total educational program at the Bergen County Technical School District. Young people learn a great deal through their participation in interscholastic athletics. Determination, perseverance, sportsmanship, communication, and teamwork are some of the valuable attributes that can be attained through athletic participation. Athletics plays an important role in helping the individual student develop a positive self-concept as well as a healthy body. Athletic competition fosters school spirit and develops pride in the school and community for participants, students and spectators. Student-athletes will leave our athletic programs with the readiness to be active participants in today's global community.

Through athletics we seek to provide a wholesome form of physical activity for as many students as possible. We will make every effort to offer our student-athletes the best in equipment, facilities, and coaching, in order to provide them with an enjoyable and rewarding athletic experience. While the reputation of our school and community is enhanced whenever its representatives excel, by far the greatest rewards and satisfactions are derived by the number of students who actually participate on our athletic teams.

We believe that the soul of our school can be reflected in what occurs before and after the normal academic day. This extension of the school day, whether it be in athletics, in the arts, or in clubs will set the tone for the school year. If we can keep students involved and concerned beyond the classroom, we are bound to have a more positive effect on them in the classroom. We are aware of the tremendous obligations we have as coaches and administrators to the student-athletes in our care. Parents entrust their children to us and we shall always strive to strengthen that bond.

## SPORTS OFFERED

### FALL

Football—Varsity, Junior Varsity  
Boys/Girls Soccer—Varsity, Junior Varsity, and Freshman  
Boys/Girls Cross Country  
Girls Tennis—Varsity and Junior Varsity  
Girls Volleyball—Varsity, JV, and Freshman  
Cheerleading  
Competitive Cheerleading

### WINTER

Boys/Girls Basketball—Varsity, Junior Varsity, and Freshman  
Boys/Girls Bowling  
Boys/Girls Fencing  
Boys/Girls Indoor Track  
Competitive Cheerleading

### SPRING

Baseball -Varsity, Junior Varsity, and Freshman  
Softball -Varsity, Junior Varsity, and Freshman  
Boys/Girls Golf  
Boys/Girls Lacrosse - Varsity and Junior Varsity  
Boys Tennis - Varsity and Junior Varsity  
Boys/Girls Track

## ACCOLADES 2016-2020

FALL: Girls Tennis - N.J.S.I.A.A. State Sectional Champions, Boys Soccer - N.J.T.A.C. Champions

WINTER: Fencing - N.J.S.I.A.A. Overall State Champions, B.P.F.L. Champions, B.C.W.C.A. Champions, Girls Bowling N.J.S.I.A.A. State Sectional Champions, Liberty Division Champions, N.J.T.A.C. Champions

SPRING: Girls Golf - Big North Liberty Division Champions, Boys Tennis - Big North Liberty Division Champions, Boys Golf - Big North Liberty Division Champions, Boys Volleyball- Big North Liberty Division Co-Champions

*Congrats to BT Teterboro Aerospace Engineering 12th- grader Frank Gargiulo who was named Male Athlete of the Week. Gargiulo, a halfback/safety, rushed for 104 yards and scored three touchdowns on a 12-yard run, a 75-foot kickoff return, and a 40-yard punt return, as Bergen Tech broke a 29-game losing streak with a 35-0 win over Fort Lee. Defensively, he made six tackles and an interception.*

## SENIOR EXPERIENCE

The Senior Experience internship is an interactive learning partnership through which students increase their knowledge and skills in a particular area of study while under the guidance of a mentor(s). The internship allows our students to team up with a variety of people within the community, and it allows businesses and corporations to invest in the future of their industry.

Senior Experience Internships have included:

Agentry PR – NYC  
AIG - NYC  
Bergen County Justice Center  
Bergen County Medical Examiner's office  
Bergen County Volunteer Medical Initiative  
BMW of North America  
Columbia University Earth Observatory  
Eighty-6  
Fletcher Creamer & Sons  
Hackensack Meridian Health  
Latitude Showroom NYC  
Meadowlands Chamber of Commerce  
New Horizon Financial  
New Jersey Institute of Technology  
Nice-Pak Products  
Office of Congressman Bill Pascrell  
S&P Global Dow Jones  
Saddle Brook Public School District  
Sterling Medical  
Suite Paperie

### Internship Highlights

- The Senior Experience program is a graded internship graduation requirement that is Board approved for students in senior year.
- Student interns report directly to the internship every Wednesday during the academic year for the full business day.
- Specific internship hours are determined by the mentor.
- Internships begin in September and conclude in June; starting dates may vary.
- Mentorship may be provided by one or more individuals within the organization who take an active interest in the student's growth and development as an intern.

## FREQUENTLY ASKED QUESTIONS

***What is the length of the school day and school year?***

The school is in session from 8:05 a.m. until 2:56 p.m. for 180 days per year.

***Is there any cost to the parents for sending students to Bergen Tech?***

Bergen Tech is a free public school of choice for residents of Bergen County, and transportation is arranged by the sending district at no cost to the parents.

***Can students transfer to this school after the ninth grade?***

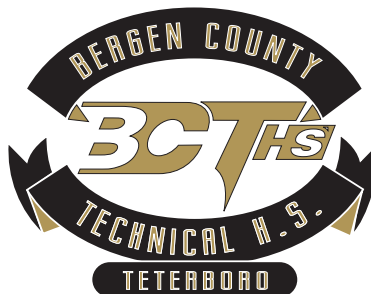
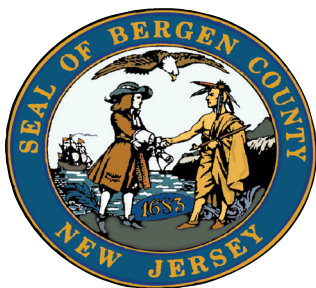
No. The program structure is such that students enter Bergen Tech with a selected major and prescribed courses.

***Are services provided to students with disabilities?***

Yes. Services are provided according to the child's IEP or 504 Plan.

***Is there an admissions test for the school?***

Applicants who have submitted all of the required materials are asked to take an admissions test. Students with disabilities are granted extended time if so indicated on their IEP or Section 504 Plan.



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