2020 College Now Summer Programs

Baruch College – Liberal Arts Academy

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 3:00 PM, July 6 - August 6

At the Baruch College Now Liberal Arts Institute you may choose from five (5) credit-bearing cohort courses and co-curricular, afternoon workshops that will focus upon the completion of a culminating project. Courses include:

- BUS 1011 - Introduction to Business (Entrepreneurship Focus)
- ANT 1001 - Introduction to Cultural Anthropology
- JRN 3050 - Journalistic Writing
- HED 1911 - Critical Health Issues
- PSY 1001 - General Psychology
- FIN 1601 – Personal Finance

At the Institute you will receive a firsthand glimpse of what is needed to succeed in a college course and learn how to think independently and critically while promoting your intellectual and personal growth. Each course will award three college credits. Attendance at the afternoon workshop will be mandatory to receive credit for the morning course. All accepted students will be required to attend a mandatory orientation and maintain satisfactory attendance and academic performance.

Bronx Community College – CSN 100 - Introduction to Cyber Security

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 2:00 PM, July 6 - August 6

This course is an introduction to the concepts and applications of cybersecurity. Students will learn basic networking, how to assess and mitigate security risks, hardware components and computer troubleshooting through various use cases. Students will learn about Bronx Community College’s novel approach to embed industry certifications (e.g. A+, Network) as “stackable credentials” within the degree and certificate program.

Bronx Community College – Summer Business & Entrepreneurship Academy

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 2:00 PM, July 6 - August 6

In an increasingly high-tech and competitive world, learning computer skills has become not only an asset, but a necessity. Computer literacy helps to establish both analytical and technical skills required for interactive learning and student achievement. This five-week program helps students develop 21st century computer and entrepreneurial skills. In the morning college level course ELC 15: Computer Applications in Technology (2 credits), students will learn how to create business documents, spreadsheets, graphs, databases and presentations. In the afternoon, in our exciting virtual enterprise workshop, students learn to work in teams within a simulated business environment. Students will gain valuable experience in exploring various job and career opportunities in a virtual business setting.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
Borough of Manhattan Community College – Video Arts Technology

Students entering 11th or 12th grade
Monday – Thursday, 10:00 AM to 3:00 PM, July 6 - August 6

If you have ever walked by a movie or television show filming on the street and wondered what it would be like to be a part of that world, Introduction to TV Production is for you. VAT 100: Introduction to Television Production is combined with an afternoon workshop in which you will learn the ins and outs of video production and writing scripts in BMCC's state-of-the-art television and audio studios and digital editing suites. In addition, you will meet industry professionals who will answer your questions about working in television; go on a field trip; and tour New York's own Hollywood-style studio complex, Steiner Studios in Brooklyn. This summer, get ready for Lights, Camera, Action!

Borough of Manhattan Community College – Mathematics Literacy & Quantitative Reasoning

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:00 PM, July 6 - August 6

MAT 161.5 - This course aims to teach students how to interpret quantitative information, analyze quantitative data, and make inferences in contexts involving mathematical concepts. Topics include proportional reasoning, interpreting percentages, units and measurement, thinking critically, numbers in the real world, financial management, statistical reasoning, probability, and linear and exponential modeling. This course satisfies the mathematics requirement for the CUNY Pathways.

Borough of Manhattan Community College – General Psychology

Students entering 11th or 12th grade
Monday – Thursday, 9:30 AM to 3:00 PM, July 6 - August 6

PSY 100 - This course stresses adaptive human behavior in relation to the environment. Topics considered include origins and methods of psychology, neuropsychological bases of behavior, maturation, motivation, emotion, learning frustration and conflict. The afternoon workshop, “Psychology of Self” will raise awareness of social and emotional issues that students will confront throughout their collegiate and adult lives.

Brooklyn College – Aquatic Ecology Institute (AREAC)

Students entering 11th or 12th grade
Tuesday – Thursday, 9:00 AM to 3:00 PM, July 7 – July 30

Did you know that New York has more than 500 miles of shore? With that come lots of fish, crabs, seaweed, and other marine life you might not expect to find in a big city. As a student enrolled in Brooklyn College’s Urban Marine Ecology Institute, you will spend four wet weeks taking a hands-on 3-credit college course in urban marine ecology/environmental studies (General Science 2020, the study of watery city environments) and conducting field and/or lab research. Along the way, you will also develop your scientific writing and formal presentation skills. Faculty and staff from BC's cutting-edge Aquatic Research and Environmental Assessment Center (AREAC) will teach the course and supervise research. They will also lead field trips to salt marshes, an oyster farm, a wildlife refuge, and the ocean beach, among other destinations.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
Brooklyn College – Urban Eco-Justice
Students entering 11th or 12th grade
Monday – Thursday, M, T & TH 9:00 AM to 12:30 PM, W 9:00 AM to 3:30 PM, July 6 - August 13
Can a garden change how you see the world? This summer, you can earn three college credits in Environmental Studies (General Science 2050) as you work along with a team of students to transform unused space into green oases. You will spend time in gardens, farm markets and other inspiring, urban-outdoor spaces, learning about where your food comes from, where your garbage goes and why your actions matter. And you will use digital and social media to investigate, share and teach others about the ecological issues that matter to you. A green thumb is not required, just the ability to learn.

Brooklyn College – Pre-Calculus Math Intensive
Students entering 11th or 12th grade
Monday – Thursday, M & W 9:55 AM to 1:30 PM, T & Th 9:55 AM – 12:15 PM, July 13 - August 18
Are you a math whiz, excellent in trig and looking for a head start preparing for calculus? Then enroll in Brooklyn College's Pre-Calculus Intensive program (MATH 1011) and study the concept of function, including exponential, logarithmic, trigonometric, and inverse trigonometric functions. Learn about limit ideas. With personalized tutoring and college awareness component. Open to qualifying, rising seniors.

Brooklyn College – Social Movements
Students entering 11th or 12th grade
Monday – Thursday, M, W & TH 9:55 AM to 12:15 PM, T 9:55 AM to 3:30 PM, July 13 - August 18
Connect civil rights struggles of the last half of the 20th century to the present day as well as to your own lived experiences. Access some of the many powerful learning opportunities offered by New York City’s cultural sites and institutions including the African Burial Ground, Weeksville Heritage Center and Apollo Theater as well access critically important archival materials housed at the Schomberg Center for Research in Black Culture and the Brooklyn Historical Society that will also inform your research project. You will also read and discuss landmark works in the field by authors that include Malcolm X, Martin Luther King and Brooklyn College scholar Jeanne Theoharris.

City College of New York – Architecture Program
Students entering 11th or 12th grade
Monday – Thursday, 9:30 AM to 4:30 PM, June 29 - August 6
CCNY’s College Now Summer Architecture Program offers rigorous coursework on the basics of architecture; critical thinking, aesthetics, structural integrity and the inherent properties of material. Drawing exercises and formal architectural theory provide a full immersion in this exciting field. Visits to sites of architectural interest and museums, such as The Cloisters and the Museum of Modern Art, round out the semester. In the 6-credit General Architecture Elective you will be assigned two major and concurrent design projects. The first involves studying and mapping two places in a comparison and contrast that culminates in a visual presentation. The second is a more traditional architectural design project in which you will build a model of a site, and then design a "habitat" for a particular client.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
**College of Staten Island – Summer College Experience**

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 3:00 PM, AST102/103 ends at 4:30 PM, July 6 - July 22

Get a taste of college life and the credits that go with it this summer at the College of Staten Island. You will spend the morning in a college credit course of your choice and then apply that knowledge during a fun, hands-on lab/workshop in the afternoon. Courses include:

- Astronomy 102/103: Theories of the Universe and Galactic Laboratory
- Mathematics 113: Intro to Probability & Statistics with Computer Applications
- Mathematics 130: Precalculus
- Psychology 100: Intro to Psychology
- Sociology 100: Intro to Sociology

**Hostos Community College – Summer Intensive English Language Program (SIELP)**

Students entering 11th grade

Monday – Friday, 9:00 AM to 3:00 PM, June 29 - August 6

What was it like to be a young person living during the American Revolution? This summer, experience what it was like to live during that time. Partake in weekly field trips, expand your knowledge of the Revolutionary War, and be introduced to different parts of the city. The goal of SIELP is to improve your English language skills in preparation for high school and college and prepare for the Regents Comprehensive Examination in English through literacy and supplemental activities. Develop your ELA skills through intensive reading and writing activities including group discussions, guided reading, grammar lessons, and low-stakes writing.

**Hostos Community College – Bronx Civic Scholars Institute (BCSI)**

Students entering 12th grade

Monday – Thursday, 9:00 AM to 5:00 PM, June 29 - August 6

When you see government officials in the news, do you ever wonder how the decisions made there affect you, your family and your neighborhood? Would you like to learn more about how you can be involved in local government, and community organizations? Then the Bronx Civic Scholars Institute at Hostos Community College is for you. In this summer program, you will develop leadership skills, knowledge and experience while gaining an academic and practical understanding of how local government works. As a Bronx Civic Scholar you will: take a college-credit course in Government (POL101 American Government); work as an intern in a Bronx community-based organization (CBO) that specializes in youth activism; get ready for work and college through a workshop that helps you set career goals, prepare for interviews, and get a handle on financial aid, scholarships, essays, and more; and see local government in action by taking trips to various civic sites and attending special events featuring distinguished guest speakers.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
**Hunter College – Summer Science Institute**

Students entering 11th or 12th grade

Monday – Thursday, 9:30 AM to 3:50 PM (CHEM & PHYS), 9:30 AM to 1:50 PM (COMHE, GEOL, STAT), July 13 - August 13

Spend this summer at Hunter's College Now Science Institute and you will: earn college credit in math or science by taking rigorous classes and labs that you ordinarily wouldn't have the time for during the regular academic year; expand your horizons with non-credit correlating workshop in the subject of your choice; and become familiar and comfortable with a college campus, its facilities, staff, and students. You may choose from five courses:

- **CHEM 100/101 Essentials of General Chemistry and Lab**
- **PHYS 110 General Physics: Intro to Mechanics, Heat and Sound**
- **COMHE 330 Principles of Epidemiology**
- **GEOL 105 Introduction to Environmental Geosciences**
- **STAT 113 Elementary Probability & Statistics**

**John Jay College of Criminal Justice – Law and Criminal Justice Summer Institute (CJSI)**

Students entering 11th or 12th grade

Monday – Thursday, 9:30 AM to 3:00 PM, July 13 - August 13

Gain an increased understanding of cultural and historical underpinnings of the American criminal justice system through the 3-credit course Criminal Justice 101. In the afternoon Criminal Law Seminar/Workshop, you will explore the occupational roles played by various actors within the criminal justice apparatus and learned about educational pathways towards acquiring necessary training and educational credentials required for entry into specific criminal justice occupations. You also get to make a trip to the NYPD Crime Lab in Jamaica, Queens to meet professional crime scene investigators. Ballistics experts in the facilities firearm’s lab provide a live demonstration of firearm investigative techniques.

**John Jay College of Criminal Justice – Social Justice Theatre Project (SJTP)**

Students entering 11th or 12th grade

Monday – Thursday, 9:30 AM to 3:00 PM, July 13 - August 13

During the morning academic session, the 3-credit course - **Drama 110; Introduction to Theatre** - students are introduced to the basic practical and theoretical elements of the theatre arts including acting, directing, playwriting, genre, dramatic structure, design, and theatre spaces. These elements will be studied and discussed from the standpoint of both the audience and the participants. Through the process of artistic inquiry, students acquire and hone technical skills, and also experience the creative process and storytelling behind several of the theatre arts. During the afternoon session, students participate in the **Social Justice Theatre Workshop.** Drawing on the “Theatre of the Oppressed” model, students develop, create and produce theatrical works that examine current issues of social justice in everyday life.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the [Colleges](#) page.
Kingsborough Community College – Career Exploration Maritime Technology

Students entering 12th grade
Monday – Thursday + 2 Friday Fieldtrips, 9:00 AM to 1:00 PM, July 6 – July 30

Think "classroom" means a rectangular room with four walls on dry land? Think again, mates, and ready your sea legs. This summer you can study with an experienced sea captain, learning how to operate and navigate a boat and sail the waters of New York harbor and Long Island Sound! Along the way, visit professionals working in the field as you explore the various career options that exist at sea. There is some of that dry-land classroom stuff...but you get four transferable college credits for it. Ship ahoy! All eligible students take the following class, in addition to required hands-on sailing instruction, tutoring, and field trips. MT 46: Coastal Piloting and Seamanship. This college-level course introduces students to nautical chart work, coastal piloting, and the principles of general seamanship. Coastal piloting topics include: the marine compass, nautical charts, piloting, tides and currents, position determination, navigational aids, and electronic navigation.

Kingsborough Community College – Careers in Culinary Arts

Students entering 11th or 12th grade
Monday – Thursday, 10:00 AM to 3:00 PM, July 6 – July 30

The Careers in Culinary Arts program is designed to introduce high school students to multiple career opportunities in this field. Students will receive instruction in basic restaurant management, food production, and procurement. Math is a component and is included to instruct students on how to order large quantities of food, and how to track cost and usage of large food orders. The Urban Garden component will provide students with hands-on experience in cultivating a garden and provide fresh produce to be used in the kitchen lab component of the program. Field trips to local farmers markets, restaurants, and a chocolate factory will provide students with first-hand experiences in the production of professional food services.

LaGuardia Community College – Thinking Critically about the Urban Landscape

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:30 PM, July 6 - August 7

HUP102 - The goal of this course is to help you become a thoughtful and effective critical thinker, to apply your intellectual abilities and specialized reasoning skills to yourself and your society. You will gain self-awareness and a deeper knowledge of the ways in which you interact, change, and are changed by society in order to analyze your role as responsible citizens in a globalized world. The afternoon workshops will focus on social justice issues including inequities in education, mass incarceration, the prison industrial complex, gender inequality, athletes and activism, and income inequality. Activities will include discussing documentaries and videos, researching and debating issues, making oral presentations, writing for a variety of purposes, and sharing your knowledge on campus.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
LaGuardia Community College – Introductory Nutrition: Campaigning for a Healthier Community

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:30 PM, July 6 - August 7

SCD200 - Introductory Nutrition integrates nutrition science with the physical and life sciences: chemistry, biology, anatomy, and physiology. You will learn about digestion, absorption and the metabolism of nutrients; the physical and chemical properties of nutrients; their metabolic functions; and food sources. You will also investigate the socioeconomic and behavioral factors that influence food selection and accessibility. In this program, two clinical dietitians will introduce the dietetics profession and engage in a discussion of healthy lifestyles. In the experiential afternoon workshop, you will apply the knowledge you gain regarding nutrition to a variety of media platforms. This will include creating public service announcements, YouTube videos, and social media posts that will help to engage your peers in learning about healthy eating. You will present their information campaigns in class and on campus, and hopefully, continue your campaigns in the fall at your respective high schools.

LaGuardia Community College – Reading the Biography as an Introduction to STEM

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:30 PM, July 6 - August 7

CSE120 - The goals of this course will be to: evaluate claims to truth and truthful recollections; examine historical claims through first person accounts; develop awareness of the methods and techniques of biographical and autobiographical writing; understand the uses of biographical writing and its place in society; and explore biographies and autobiographies as vehicles for the creation of the self. To introduce students to STEM, we will offer 4 week-long workshops led by four different LaGuardia professors from the Natural Science and Social Science Departments: Biology, Physics, Astronomy, and Psychology. Each workshop will include hands-on activities and a focus on majors and career options in the particular discipline. Each workshop will also be linked to readings covered in the morning sessions of CSE120.

LaGuardia Community College – Social Justice & Advocacy: Making a World of Difference

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:30 PM, July 6 - August 7

ENG101 - In this course, students write coherent essays in varied academic formats, both in and out of class, responding to culturally diverse materials and using appropriate technology. Students focus on critical and analytical skills through reading and listening and study aspects of argumentation including formulating theses; researching and identifying sources; evaluating and documenting sources; and communicating persuasively across contexts, purposes, and media. Students will watch movies and documentaries, discuss readings (non-fiction, Marvel comics, and poetry), and consider the impact of music in pop culture and how we shape our thinking around current affairs. From these various media, we will engage in group activities, class discussions, written exercises and mock debates. All of these exercises will be in the service of making students consumers of media and, in turn, better writers. This program will have a strong focus on social justice and advocacy. Students will think critically about key issues such as race, gun control, climate change, mass incarceration and access to education.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
LaGuardia Community College – College Algebra & Trigonometry: 3D Printing

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:30 PM, July 1 - August 1

MAT115 - This course will start with a review of basic algebra (factoring, solving linear equations, and equalities, etc.) and proceed to a study of polynomial, exponential, logarithmic and trigonometric functions. These functions will be used in applications involving simple mathematical modeling where students will engage in inquiry activities aimed at improving critical thinking skills. Each afternoon will then be devoted to an engineering lab focused on project-based learning to answer questions like "How does surface area or type of surface affect friction?", "What factors affect the air resistance of a launched projectile?", "How can the acceleration due to gravity be determined for falling objects?" Students will have the opportunity to design their own experiments, carry out the experiments, then report and present their findings.

Lehman College – Summer Multimedia Arts Academy

Students entering 11th or 12th grade
Monday – Thursday, 9:30 AM to 3:00 PM, June 29 - August 6

The Lehman College Summer Multimedia Arts Academy offers high school students the opportunity to study with the Lehman College faculty in the multimedia arts, dance, theatre and multimedia journalism on the Lehman College campus and get “hands on” experience with audio-visual productions and on-line journalism. Students will be able to explore these new forms of social media, which are becoming more dominant in our culture and changing the traditional forms of mass communication. Courses offered include:

- ART 112 Introduction to Digital Imaging
- ART 325 Animation
- DNC 235 Dance
- JRN 221 Journalism
- THE 235 Stagecraft
- THE 241 The Art of the Theatre

Lehman College – Summer Science Academy

Students entering 11th or 12th grade
Monday – Thursday, 9:15 AM to 2:30 PM (BIO173), 9:30 AM to 2:30 PM (GEP 205), 9:00 AM to 4:15 PM (CHE 137/138), June 29 - August 6

Considering a science degree? Get a head start at the Summer Science Academy at Lehman College. Choose from:

- BIO 173: Human Biology and Lab
- GEP 205: Principles of Geographic Information Science (GIS)
- CHE 137/138: Elements of Chemistry and Lab

Biology and Chemistry are prerequisites for premedical, pre-veterinary, and pre-dental programs, and physics is a foundation for studying engineering. Mornings will be spent in a lecture, and afternoons working in Lehman's state-of-the-art science labs. These six-week intensives will prepare you for rigor of college science courses, and help you get on track to complete your degree.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
Medgar Evers College – Summer Science Bridge Program

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 3:00 PM, July 13 - August 13

Do you ever think about how climate change, industrial waste and even wildlife may impact the health of people living in New York City? If so, come to Medgar Evers this summer and study environmental health issues in your community. At the Medgar Evers College Now Environmental Science Program, you will take a choice of college credit Basic Chemistry or Environmental Health Issues in the morning and in the afternoon you will participate in data analysis/problem solving workshops, go on field trips, conduct supervised laboratory and field research and hear presentations from science professionals and faculty.

New York City College of Technology – Careers in Engineering and Computer Technologies

Students entering 11th or 12th grade

Monday – Thursday, 9:30 AM to 4:00 PM, July 1 - August 14

Students in the New York City College of Technology's Summer Program in Careers in Engineering and Computer Technologies will earn college credit in the course "Introduction to Engineering and Computer Technologies". This course will introduce them to four engineering disciplines through an exploration of basic concepts in mechanical engineering and industrial design technology; computer systems technology; electrical engineering technology; and electromechanical and computer engineering technology. Every Thursday trips are scheduled to expose students to career information at local industries and government labs, including Linda Tools, the Electronic Maintenance Division of MTA, and the NY Hall of Science.

Queensborough Community College – Robotics

Students entering 11th or 12th grade

Monday – Thursday, M & Th 9:00 AM to 3:00 PM, T & W 9:00 AM to 1:00 PM, July 1 - August 6

This program is designed to introduce students to robotics, robotic construction, programming, operation, and basic design theory within a hands-on 4-credit course, ET 375: Introduction to Robotics. Throughout the summer, students will work in teams to design, construct, and program autonomous mobile robots by learning and using the C programming language within the LEGO MINDSTORMS NXT Robotics System among other components. Robotics projects will include behaviors such as line-following, random roaming with obstacle avoidance using IR sensors and ultrasonic range finding sensors, and rotate until a path is clear using the data from the ultrasonic range finders.

Queensborough Community College – Technology for Today: 3D Printing & the Cloud

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 3:00 PM, July 1 - August 6

This program blends technologies to create a learning experience that addresses physical and 3D manufacturing plus, with an eye to the future, an introduction to Cloud Technology. Students will be enrolled in MT-122 Manufacturing Processes, a three-credit college course that introduces production techniques, materials, CAD software, casting/molding and forming and finishing processes. Students will also put theory into practice and experience firsthand how materials are influenced by chemistry, deformation process,

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
impact and heat treatment in our manufacturing processes machine shop, strength of material/metallurgy, thermodynamics and CAD labs. This summer program will also present an opportunity to students in the area of Web Services. An Amazon supported workshop called AWS will be held for twenty hours during the program. This workshop will culminate in a 25 question practice test for the Cloud Practitioner Certification. Students will receive a $50.00 voucher towards the cost of the actual exam.

Queensborough Community College – Theater Production
Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 2:30 PM, July 1 - August 6
Open Call: Looking for aspiring and would-be actors, costumers, makeup artists, set designers, and other theatre hopefuls to hone their craft and mount a fully staged production (for college credit) at Queensborough Community College's Summer Theatre Production Workshop. TH124 is a 3-credit college course that uses a hands-on approach to stagecraft construction where participants design and build all sets for the production. This year students will perform various scenes from one-act plays that they will have written themselves under the tutelage of both of the instructors and accomplished playwright, C. Julian Jimenez. The day of the final performance, Wednesday, August 5, students will meet 3:00 PM to 8:30 PM, and hour break for dinner/cast party. Students will also take a trip to see "Come from Away" on Broadway on July 15.

Queensborough Community College – College Success Initiatives
Students entering 12th grade
Monday – Thursday, M & Th 9:00 AM to 3:00 PM, T & W 9:00 AM to 1:00 PM, July 1 - August 4
CN-72: Why People Do What they Do, is an ELA developmental course designed for College Now here at QCC. The course will include college readiness skills, exposure to a variety of essay genres, and grammar proficiency. Student who complete this course will have completed a developmental intervention through College Now and will be considered proficient or college ready in English. Applicants for the CN-72 course must be on track for graduation and have between a 65 and 74 on the ELA Regents.

Queensborough Community College – College Algebra Co-Requisite Course
Students entering 12th grade
Monday – Thursday, 9:10 AM to 1:50 PM, July 1 - August 5
Using the co-requisite remediation model, College Now will offer MA-119: College Algebra, a 3-credit course paired with MA10-ALP: Elementary Algebra, a noncredit remedial class called an ALP (Advanced Learning Program) for students who score between 60 and 69 on the CC Algebra I Regents. The course will include properties of signed numbers, graphing of linear equations, basic geometric concepts, solution of linear equations, factoring algebraic expressions and its applications to rational expressions. Students who complete the course will not only be considered college ready in math, but this course also satisfies the CUNY general education requirement for math.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.
Queens College – Summer Environmental Field Research Program

Students entering 11th or 12th grade
Monday – Thursday, 9:30 AM to 3:30 PM, June 29 - July 22

Students will earn three college credits through enrollment in Geology 9 (Environmental Issues). The core of the program is the GLOBE Research course, which teaches students how to conduct authentic environmental research: forming a research question, designing a test/experiment, running their plan, and finally presenting their findings to a public audience. Students will visit a natural forest area and use scientific inquiry and analysis techniques to explore the area, make observations, collect data and develop a research question. During subsequent visits, student will work in small teams to create a research plan to answer their questions. Finally, teams will design a PowerPoint or poster presentation, which will be presented to the other classes on the final day.

Queens College – The Summer Institute for the Humanities & Social Sciences

Students entering 12th grade
Monday – Thursday, 10:00 AM to 3:00 PM, July 1 - August 12

“I enjoyed the whole experience: the work, the friends, the trips; everything was memorable. If I could do it again, I would.” That is a direct quote from a participant in last year’s Queens College Summer Institute for the Humanities and Social Sciences. Students in this six-week program earn college credits by taking courses in acting, classical mythology, or urban studies, in addition to a course in college writing; they engage with the writers, musicians, filmmakers, and other artists who come to Queens College to share their work and their life stories; they explore the arts and culture of New York City on field trips to museums and plays; and with the help of Queens College students whose job is to mentor and assist Summer Institute participants, they begin the transition from high school to college.

York College - Fine Arts - Computer Graphics

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:00 PM, July 6 - August 13

Fine Arts 104 & 284: A hands-on introduction to the systems and resources of the Macintosh computer. Investigation of the image-making and text-handling capabilities of generic software, including Adobe Illustrator, Photoshop, and Painter. Development of original imagery from direct invention, digitized pictorial sources and selected type fonts. Final projects incorporate all course material and provide a basic experience of the computer as a comprehensive design instrument.

York College – Astronomy

Students entering 11th or 12th grade
Monday – Thursday, 9:00 AM to 3:00 PM, July 6 - August 13

ASTR 101: Introductory Astronomy: The Sun and Planets is a 3-credit introductory level overview of the structure and properties of the Solar System, Sun, planets and their moons, comets, asteroids, meteors and the general principles of planetary motion and evolution. The properties of other newly discovered

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solar systems, the formation, evolution and fate of solar systems and the conditions for life here and elsewhere will also be discussed. Students will also take ASTR 141 a 3-credit laboratory course that introduces the fundamental practices of astronomy such as: identifying constellations; the apparent motion of the sky, Sun, Moon and planets; the nature of light; gravity; the properties of planets; the life cycles of stars; and measuring astronomical distances.

**York College – Introduction to Unmanned Aerial Systems**

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 3:00 PM, July 6 - August 13

BUS 210: Introduction to Unmanned Aerial Systems: Unmanned Aerial Systems (UAS) are revolutionizing not only the aviation industry, but society itself. They are truly a paradigm shift for everyone involved. This course is designed to introduce students to the different types of Unmanned Aerial Vehicles (UAV) and their roles in society. It will also explore the challenges of integrating UAV into the National Airspace System (NAS).

**York College – Introduction to the Aviation Business**

Students entering 11th or 12th grade

Monday – Thursday, 9:00 AM to 3:00 PM, July 6 - August 13

BUS 230: Introduction to the Aviation Business: A general survey of the field of aviation business. The course will include a historical overview of the development of aviation and will survey various aspects of the airline industry such as regulation, the organization and management of aviation businesses (particularly airlines), airline marketing, airfreight and modes of competition in the airline and aircraft industry.

For more information on how to apply, click on the links in the program title or visit the corresponding program’s College Now website using the links on the Colleges page.