



Transforming
Our Community...
One Student
at a Time

*Youth
Programs
Classes begin
June 24*

Continuing Education

FOR A BETTER LIFE



SUMMER 2019
CLASSES
WWW.UCC.EDU/CE

*Improve Your Skills!
Learn Something New!*

Union County College does not discriminate and prohibits discrimination, as required by state and/or federal law, in all programs and activities, including employment and access to its career and technical programs. If you or someone attending with you has a disability and is in need of special accommodations, please contact the Coordinator of Services for Students with Disabilities at (908) 709-7164.

Youth Programs for Summer 2019

All classes take place on the Cranford campus and are offered Monday through Thursday. Classes will not be held the week of July 1-4.
Student Drop-off/Pick-up: Parents/guardians must go to the classroom to drop off and pick up children at the assigned classroom. Children must be picked up on time.

ARTS AND PHOTOGRAPHY

The Artist Within: Drawing & Sketching

Develop your drawing skills through a variety of assignments: wild life, landscapes, and portraits. Explore different styles: abstract, realism and impressionism. Materials to be purchased by student prior to first day of class: 11"x 14" sketchpad, pencils and 24-pack of pastels. (12 hrs)

Ages 11-13 AEKE 002 Sec 190
M-Th, 6/24-6/27, 9am-12pm, \$219

Ages 14+ AEKD 002 Sec 191
M-Th, 6/24-6/27, 1-4pm, \$219

Design Your Own Comic Book

Learn about developing characters, structuring a story, designing the visual layout and developing eye-catching covers. Materials needed: 11"x14" spiral sketchpad, pencils: H, 2H, B, 2B, color pencils, erasers and 24-pack of markers. (24 hrs)

AGES 11-13 AEKE 505 Sec 190
M-Th, 7/22-8/1, 9am-12pm, \$289

Photography Art Camp

Students will learn how to improve their photography skills, understand what makes a good photograph and how to use a camera beyond auto-mode. Upon conclusion of this course, students will have an appreciation of photography, with an understanding of theory and concepts about this art form. (12 hrs)

AGES 11-13 AEKE 007 Sec 190
M-Th, 7/8-7/11, 9am-12pm, \$209

New!

Summer Dance Camp

Students will increase their knowledge and physical abilities in dance as we learn the foundation: ballet and dance terminology and progress to other forms rotated throughout the camp: jazz, hip-hop, modern. Students will also learn injury prevention, healthy snack options and nutrition for the dancer, and return at end of day with yoga practice and stretch. Students will also be introduced to basic choreographic concepts used to create dance. (12 hrs)

AGES 11-13 AEKE 043 Sec 190
M-Th, 8/5-8/8, 9am-12pm, \$209

Ages 14+ AEKD 043 Sec 191
M-Th, 8/5-8/8, 1-4pm, \$209



We are pleased to partner with Black Rocket to deliver educational and fun classes designed to mirror real experiences and the collaborative nature of the creative process. Students will work in pairs or teams for most of the programs.

New!

eSports Apprentice - YouTube® Streamers and Gamers

Whether you want to be the next pro gamer, streamer, or gamemaster this course will teach you the basics to get started! No longer just a hobby, eSports is the fastest growing career for the next generation. Over 400 million people watched YouTube videos and Twitch streams of video game competitions this year alone! In this course, students will develop competitive game-play skills in Black Rocket's new eSports App, learn how to produce commentary for live tournaments, use professional streaming software, and most importantly practice online safety. Students will gain full access to the eSports App and

a video of their class tournament with commentary.

Videos will not be broadcast publicly, but will be shared with all students in the class. (12 hrs)

Age 14-17 AEKD 012 Sec 191
M-Th, 7/22-7/25, 1-4pm, \$209

Code Breakers

Calling all future coders, programmers, and designers! Learn the basics of coding languages like HTML, JavaScript, and CSS through a series of web projects and design challenges each day and be on your way to becoming the next tech star! Whether you want to be the next Mark Zuckerberg or the high school student who just made one million dollars for programming in his bedroom, this course has the essentials you need to begin your journey. Projects will be available



Youth Programs for Summer 2019

on a Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. (12 hrs)

Ages 11-13 AEKE 305 Sec 190
M-Th, 7/8-7/11, 9am-12pm, \$209

Ages 14+ AEKD 305 Sec 191
M-Th, 7/8-7/11, 1-4pm, \$209

New!

Adventures in Augmented Reality!

Watch as holograms come to life in the first ever augmented reality for kids! Students will work in cutting-edge software to create holographic scenes that are viewable with a smartphone and a magic futuristic cube. Student-created projects will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. There is an additional \$19 lab fee for the magic cube and license. (12 hrs)

Age 11-13 AEKE 035 Sec 190
M-Th, 7/15-7/18, 9am-12pm, \$259

Age 14+ AEKD 035 Sec 191
M-Th, 7/15-7/18, 1-4pm, \$259

New!

Drone Adventures

The Drones are here! Let the battles begin. In this hands-on, interactive class you will learn how to safely fly drone robots. Working in teams you will be able to code your drone to compete in missions that will prepare you for the ultimate team challenge at the end of the week. Students will work in pairs or teams for most of the program. (12 hrs)

Age 11-13 AEKE 036 Sec 190
M-Th, 7/15-7/18, 9am-12pm, \$209

Age 14+ AEKD 036 Sec 191
M-Th, 7/15-7/18, 1-4pm, \$209

New!

Python Programmers: Make Your Own Multiplayer Game!

YouTube, Google, Instagram and Spotify—what do they have in common? They were created with Python. Learn how to code with Python and create your first multiplayer adventure game. Each lesson takes you step-by-step to start you on a programming path that will let you challenge friends with a fun game you built from start to finish. (12 hrs)

Ages 11-13 AEKE 011 Sec 190
M-Th, 7/22-7/25, 9am-12pm, \$209

Ages 14+ AEKD 011 Sec 191
M-Th, 7/22-7/25, 1-4pm, \$209

New!

ROBLOX® Makers-Coders-Entrepreneurs!

Discover how to code in the Lua language while playing and designing worlds in ROBLOX®, an online universe where you can create anything you dream of. This new class combines game design concepts, coding, and fun! Young entrepreneurs will also learn how to navigate Roblox's fast growing marketplace to publish their games. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. (12 hrs)

Ages 11-13 AEKE 010 Sec 190
M-Th, 6/24-6/27, 9am-12pm, \$209

Ages 14+ AEKD 010 Sec 191
M-Th, 6/24-6/27, 1-4pm, \$209

New!

ROBLOX® Makers

Unlock the power of ROBLOX® Studio, the world creation tool used by real world ROBLOX® developers! Learn how to build 3D models and create an adventure in your ROBLOX® world. Bring characters to life with unique animations you design. Student-created projects will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. (12 hrs)

Ages 11-13 AEKE 038 Sec 191
M-Th, 7/22-7/25, 1-4pm, \$209

New!

Battle Royale: Make Your First Fortnite® Style Video Game

Fans of Fortnite we need you! Instead of playing the game, design your own. Using a professional 3D game development software, build levels and assets inspired by popular battle royale games like Fortnite. This course includes cartoonish action and battle sequences. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. (12 hrs)

Ages: 11-13 AEKE 039 Sec 190
M-Th, 7/29-8/1, 9am-12pm, \$209

Ages: 14+ AEKD 039 Sec 191
M-Th, 7/29-8/1, 1-4pm, \$209

New!

3D Game Labs with Unity

Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3D modeling, impactful gameplay creation, as well as how to utilize scripts and variables. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. (12 hrs)

** This class was formally called Advanced 3D Video Game.

Ages: 14+ AEKD 040 Sec 191
M-Th, 8/5-8/8, 1-4pm, \$209

Updated!

Make Your First 3D Video Game!

In this Black Rocket classic, you will go well beyond the limitations of the traditional 2D game design classes and create an immersive 3D world. Students will learn the physics behind 3D games, explore beginner event scripting, level design, controlling the flow of gameplay, and storytelling. Student created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. (12 hrs)

Ages 11-13 AEKE 946 Sec 190
M-Th, 8/5-8/8, 9am-12pm, \$209



Youth Programs for Summer 2019

New!

Advanced Robotics

During this class your team will learn to program a robot to overcome daily class challenges using visual and text based programming. You will see firsthand how your program translates into action as you attempt to control your robot sensors and maneuver around obstacles. With your teammate, you will apply different coding concepts while using the scientific method to formulate, observe, experiment, test, and modify your robot. Students will work in pairs or teams for most of the program. (12 hrs)

Ages 11-13 *AEKE 031 Sec 190*
M-Th, 8/12-8/15, 9am-12pm, \$209

Ages 14+ *AEKD 031 Sec 191*
M-Th, 8/12-8/15, 1-4pm, \$209

New!

App.IO: Make Your First Multiplayer App!

The hottest new Apps are IO apps! If your child likes to play Agar.io or Slither.io they will love this class! Become the creator of the next viral web app and share with family and

friends! In this class you will explore the most popular IO apps, design your own multiplayer experience, and learn how to code your own. Students will work in pairs or teams for most of the program. (12 hrs)

Ages 14+ *AEKD 032 Sec 191*
M-Th, 8/19-8/22, 1-4pm, \$209

Minecraft® Modders

Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mods! Introductory coding will also be taught through a simulated environment inspired by Minecraft. Student projects will be available on a password protected Black Rocket website to share with friends and family. Students must own a Java version of Minecraft tablet, phone, and game console versions of Minecraft are not compatible. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. (12 hrs)

Ages 11-13 *AEKE 306 Sec 190*
M-Th, 8/19-8/22, 9am-12pm, \$209

MATH

Middle School Math Review

This course is designed to review each of the New Jersey Core Curriculum Content math standards for middle school students. Students will review numerical operations, geometry and measurement, algebra, data analysis and mathematical processes. (12 hrs)

AGES 11-13 *AEKE 117 Sec 190*
M-Th, 7/22-8/1, 9am-12pm, \$289

Algebra Review

This course addresses the material covered in a middle or high school Algebra course. Through interactive lessons and practice problems, students will strengthen their Algebra knowledge. Students will be pre-tested to determine their proper level and need. (12 hrs)

AGES 14+ *AEKD 115 Sec 191*
M-Th, 7/22-8/1, 1-4pm, \$289

SUPER SCIENCE

We are pleased to partner with Super Science to deliver hands-on workshops designed to be both fun and educational.

New!

Amusement Park Physics

Have you ever wondered how they design and build those crazy rollercoasters and other amusement park rides? Join us and learn about friction, gravity, momentum, velocity, and other effects of force and motion as they

relate to theme park rides. We'll design, construct, and test loop-the-loops, marble catchers, ball machines, Ferris wheels, swinging amusement rides, and more. This is the way to experiment and build as you learn physics concepts in a fun and activity-based atmosphere! (12 hrs)

AGES 11-13 *AEKE 030 Sec 190*
M-Th, 8/5-8/8, 9am-12pm, \$209

Chemical Wizardry

Get ready for a fun-filled "magical" laboratory experience Harry Potter style. Enjoy making Flubber, Silly Putty, Super Hi-Bounce balls, and more. Have fun making light inside of a glow bottle, a mushroom monster, play dough, Glowing Goo, and even a tie-dye style shirt. We will create atomic worm polymers and lava lamp-like blobs. We will also demonstrate the Big Bang Cannon, Diet Coke and Mentos Geyser, Magic Genie in the bottle, and more. All campers will take home a mini-chemistry kit and recipe booklet. Please bring a 100% white cotton T- shirt to the second class. (12 hrs)

AGES 11-13 *AEKE 026 Sec 190*
M-Th, 7/8-7/11, 9am-12pm, \$209



Youth Programs for Summer 2019

CSI: Crime Scene Investigation

Become a Super Science Sleuth! Learn about forensics, crime scene investigations, and crime lab chemistry as you perform experiments designed to show you just how those tricky cases are solved. Search for evidence, gather clues, and discover how science can help solve a mystery! Dust for and classify fingerprints, analyze hand writing, test for blood type and DNA using simulated blood, and use "Glow Blood" to see where humans can't see. Examine hair and clothing fibers, practice chemistry to identify mystery substances, and much more. (12 hrs)

AGES 11-13 AEKE 028 Sec 190
M-Th, 7/22-7/25, 9am-12pm, \$209

New!

Introduction to LEGO EV3 Robotics

Have fun building, designing, and programming robots with Lego Mindstorms. Build robot projects and creations that use working sensors and motors. LEGO MINDSTORMS combines the unlimited versatility of the LEGO building system with an intelligent microcomputer brick and intuitive drag-and-drop programming software. No prior robotic or programming experience is necessary for this introductory course. All students will take home a Hexbug robot as part of this program. (12 hrs)

AGES 11-13 AEKE 044 Sec 190
M-Th, 8/12-8/15, 9am-12pm, \$209

Junior Physicians

Discover the anatomy of the world's most complicated system—the human body! In this program, kids will find out what it's like to journey through the human body. Explore the science behind blood, bones, how a model of the human body works, and more. Participants will test for blood types, make a map of their tongue, perform simulated heart and brain surgery, and more. (12 hrs)

AGES 11-13 AEKE 027 Sec 190
M-Th, 7/15-7/18, 9am-12pm, \$209

STEM Challenges

In this engineering camp, you will have fun integrating Science, Technology, Engineering, and Mathematics by designing and building a wide range of gadgets, inventive machines, towers, crazy contraptions, and more. Projects include: The Great Tower Challenge, the Standing Cup Pyramid Challenge, Egg Drop Challenge, Wooden Coaster Challenge, Structural Engineering Challenge, Magnificent Marble Machine, and a host of other fun contests designed to bring out the engineer in you! (12 hrs)

AGES 11-13 AEKE 029 Sec 190
M-Th, 7/29-8/1, 9am-12pm, \$209

TEST PREP

Get a jump on test taking strategies and fundamentals that will enhance your abilities and help improve test scores. All courses are taught by NJ Certified Teachers. (24 hrs)

SAT Exam Preparation

Learn important test-taking strategies and prepare to take the upcoming SAT exam. Specific concepts covered include math, verbal and writing. Course price includes the SAT textbook.

VERBAL/READING/WRITING
Ages 14+ AEKD 211 Sec 19A
M-Th, 7/22-8/15, 1-2:30pm, \$379

MATH
Ages 14+ AEKD 107 Sec 19A
M-Th, 7/22-8/15, 2:40-4:10pm, \$379

WRITING

The Writer Within: Creative Writing

Develop your skills as a creative writer. Learn how to create interesting plots, characters and dynamic conflicts. Whether you enjoy writing short stories, poetry or planning to write a novel, this course will help you hone those creative writing skills. Students will also learn how to e-publish, find a publisher and enter writing contests. (24 hrs)

AGES 11-13 AEKE 236 Sec 190
M-Th, 7/8-7/18, 9am-12pm, \$289

AGES 14+ AEKD 236 Sec 191
M-Th, 7/8-7/18, 1-4 pm, \$289

Better Thinker, Better Writer, Better Grades

This course will help you improve your critical thinking and strengthen your writing skills when reading literature and writing school essays. Learn strategies that will help you get better grades, while also improving your ability to understand, discuss and write about the literature you read throughout the school year. (24 hrs)

AGES 11-13 AEKE 022 Sec 190
M-Th, 8/5-8/15, 9am-12pm, \$289

AGES 14+ AEKD 022 Sec 191
M-Th, 8/5-8/15, 1-4pm, \$289

New!

Nailing the College Essay

In this course, students will study exemplary college essays of different types—including narrative and montage approaches to the personal statement and a variety of supplement responses—and engage in focused writing activities designed to move them towards the completion of two authentic and polished essays (one personal statement and one supplement) by the end of the course. Includes extensive instructor editing, revision, and commentary. (24 hrs)

AGES 16-17 AEKD 212 Sec 191
M-Th, 8/5-8/15, 1-4pm, \$289

COLLEGE FOR TEENS

For Union County High School Students

JULY 8 - JULY 25

Program sponsored by Union County Board of Chosen Freeholders

Learn about careers in Criminal Justice, Healthcare, and Transportation, Logistics and Distribution

See www.ucc.edu/ce for details and registration information

The Youth Programs Permission Slip (next page) **must** be completed and returned with this registration form. Print clearly and complete all sections.

STUDENT DATA

 Last Name First Name MI

 Street Address (including apartment number) ()

 City/Town State Zip Home Telephone

 Student ID Number Gender: Male Female Date of Birth (MM/DD/YYYY)

PARENT/GUARDIAN DATA

 Last Name First Name MI

 Street Address (including apartment number)

 City/Town State Zip Phone Home Work Cell

 E-mail Address

The following questions are required by the U.S. Department of Health, Education, and Welfare, Title VI of the Civil Rights Act. Completion is voluntary.

Sex: Male Female

Ethnicity: Hispanic Non Hispanic
 Declined to Identify

Race: American Indian/Alaskan Native
 Asian
 Black/African American
 Native Hawaiian/Pacific Islander
 White
 Declined to Identify

CAMPUS PARKING

- I decline campus parking
- I wish to have a permit for parking in Cranford (Complete the information below and add \$10 parking fee)

 License Plate Number State Year, Make and Model of Car

You must pick up your parking permit at the Public Safety Office, at which time you will be required to show a current vehicle registration.

COURSE SELECTIONS AND FEES (Please enter your course selections)

Course Code-Number	Section Number	Course Title	Start Date (MM/DD/YY)	Course Fee

OFFICE USE ONLY	Pay Code _____ Amount _____	Parking Fee (if applicable)	Total
	Date _____ Cashier _____		

Make checks payable to **Union County College**. Register in person or mail to:
 Continuing Education, Union County College, 1033 Springfield Avenue, Cranford NJ 07016-1599
 Phone (908) 709-7600 • Fax (908) 709-7070 • Email coned@ucc.edu



I am financially responsible for all program costs for _____
 Student's Name

 Your Name Address Telephone

Note: Students are responsible for being aware of and following the Code of Conduct found in the Union County College Student Handbook, available at www.ucc.edu/go/handbook.

Have questions about Union County College Youth Programs? Email us at youthprograms@ucc.edu



Continuing Education

FOR A BETTER LIFE

Youth Programs Information and Permission Form

All Youth Program participants **MUST** have this form completed by a parent or guardian.

Please print clearly and complete all sections

STUDENT INFORMATION

Full Name: _____
Last First Middle Initial

Child's Age: _____ Current Grade (for Summer students, grade entering in upcoming Fall) _____

Home Phone (with area code): _____

PARENT/GUARDIAN CONTACT INFORMATION

Name: _____

Preferred Phone: _____ Alternate Phone: _____

EMERGENCY CONTACT INFORMATION

If I am not available, I hereby designate the following person(s) to be contacted in an emergency:

Name _____ Relationship _____ Phone # _____

Name _____ Relationship _____ Phone # _____

Doctor's Name _____ Phone _____

Medical Insurance Co _____ Policy # _____

The above named child has the following food allergy(ies) and/or medical condition:

I understand it is the responsibility of the parent/guardian to notify program staff of any change in the above information.

I, _____, the legal parent/guardian of the above named Youth Programs participant, will: CHOOSE **ONLY ONE** OF THE FOLLOWING THREE OPTIONS

- Pick up my child at the conclusion of his/her scheduled course(s) in the designated location on the Union County College Cranford Campus
- Permit the following individuals to pick up my child at the conclusion of his/her scheduled course(s) in the designated location on the Union County College Cranford Campus. **No one other than the named persons below will be permitted to pick up your child.**

Name: _____ Phone: _____

Name: _____ Phone: _____

- Permit my child to leave the campus unattended by Program or College staff at the conclusion of his/her scheduled course(s) on a daily basis.

Check this option if you are permitting your child to walk home, ride his or her bike home, take the bus, etc. No supervision is provided and no responsibility for your child is assumed once he or she is dismissed from his or her last class. Your child will not be permitted to remain on College property or in any campus building if this option is checked. I expressly release the College and its agents from any liability that may result from my child's use of individual transportation as authorized above.

The Parent or Guardian acknowledges that he or she has read, understands and approves the following statements:

- I give consent for photographs and/or videos of my child to be used solely for UCC promotional and/or public information purposes.
- I fully understand that I am releasing the College and its agents and employees of all liability including but not limited to injuries, damages or loss, related to any aspect of my child's participating in the Youth program.
- I understand that the College is not responsible for lost, stolen or damaged property.

- I understand that in an emergency I will be contacted as soon as possible at the above phone number(s). If I am not available, I have provided an alternate contact above.
- Should my child require immediate medical attention, I consent to any such treatment, including but not limited to, transport and treatment at a hospital facility. I fully understand I am legally responsible for any medical expenses for costs of said treatment.
- College personnel are not permitted to hold or be responsible for administering any medication.
- I understand the College may suspend or terminate my child from the program for any reason that is deemed harmful or disruptive to the other participants or for other just cause. Refunds will not be granted if a child is suspended or terminated.

I have read, understand, and agree to the foregoing information. I authorize Union County College staff to take whatever measures are in their estimation, deemed necessary, especially in the event of an emergency. The undersigned, on his/her behalf and on behalf of the named participant, releases Union County College, its directors, officers, employees and agents from all claims and liability to the undersigned or named child and each of their personal representatives, assigns, heirs and next of kin for any loss or damage, and any claim on account of injury to the person or property of the undersigned or named child.

Parent/Guardian name (print)

Parent/Guardian Signature

Date