Western New England University Pre-college Summer Programs

Session 1: August 5-9, 2019
Session 2: August 12-16, 2019

Western New England University Pre-college Summer Programs are a unique opportunity for high school students to explore STEM topics and career paths, guided by industry experts who will advise participants on a personal level. Our programs have a hands-on philosophy that allows students to discover new ideas, dive deeper into their interests, and take a glimpse into what the future may hold for them. Students will come away from this exciting experience with meaningful knowledge, an invigorated focus, and a new network of like-minded peers.

Daily Schedule:
8:30 a.m.–12:00 noon Classroom session
12:00 noon–12:30 p.m. Lunch
12:30–1:00 p.m. Activity component (either in Game Room or outside)
1:00–3:30 p.m. Classroom session
3:30–4:30 p.m. Alumni Healthful Living Center (AHLC) Pool/Gym time (Optional: students may leave early)
4:30 p.m. Pick up at AHLC

Price $395 per session. You’ll receive a 10% discount if registering for both sessions.

To register go to wne.edu/pre-college-programs
For more information contact Judy Curran at 413-796-2324 or judith.curran@wne.edu.
THE PRINCIPAL'S COUNSEL and the School Committee are delighted to announce:

CSI: Western New England

Session 1
Do you want to become a real-life Crime Scene Investigator and solve clues to uncover the culprit? CSI: Western New England will put you at the scene of a mock crime, where you’ll learn to conduct a thorough investigation and collect and analyze evidence to identify a perpetrator. Not only will you view a criminal investigation through the eyes of a forensic scientist, but you’ll actually get to investigate your own crime scene through the four areas of forensics; trace evidence, serology and patterned evidence, ballistics, and biometrics.

INSTRUCTOR: KATHERINE WAHLUND
Science Teacher, East Longmeadow High School
Kate has been teaching high school science for 20 years. A perpetual science for 20 years. A perpetual

session herself, she has earned an undergraduate B.S. degree in Biology, Chemistry, and Education from Keene State College, an M.S. in Science and Special Education from Antioch University; pursued Ph.D. studies in Curriculum and Instruction at Capella University; and earned Advanced Graduate Certification in Forensic Science with concentrations in Serology & DNA from University of Florida. Kate has designed and implemented a successful two-course forensics program at East Longmeadow High School.

Session 2
If you see yourself as a high-powered attorney defending your clients in the court of law and bringing criminals to justice, then Trial Skills is the perfect place to have your first day in court. After learning how to prepare a case for trial and how to deliver an opening statement, closing argument, and direct and cross examinations, students will be divided into teams of prosecutors and defense attorneys. They will present the case to a jury in an exciting mock trial in our own model courtroom at the end of the course.

INSTRUCTOR: TINA CAFARO
Clinical Professor of Law, Director of the Criminal Law Clinics
In addition to being a full-time member of the WNE School of Law faculty, Professor Cafaro is currently a special assistant district attorney in both the Hampden and Northwestern District Attorney’s Offices. She began her legal teaching career in 1999 as an adjunct professor in the Criminal Law Clinic at Western New England University School of Law and joined the full-time faculty in 2001. Before joining the law faculty, she was an assistant district attorney in the Hampden County District Attorney’s Office. Prior to that, she served as a judicial law clerk for the Honorable Kent B. Smith of the Massachusetts Appeals Court.

Trial Skills

Introduction to STEM and Robotics
Session 2
If the idea of engineering and working with your hands to build an innovative prototype excites you, then this is the place to put your innovative mind and technical know-how to the test! Based on the “hackerspace” concept (which challenges students to build something useful from various components that are provided) this workshop is project-based and hands-on. You’ll learn how to build electronic circuits using various sensors and actuators, interface them to a microcontroller and program the microcontroller to perform specific tasks, and finally to design your own project.

INSTRUCTOR: DR. NEERAJ MAGOTRA
Chair of Electrical and Computer Engineering
Dr. Magotra is a recognized expert in power embedded system technologies. He has previously worked at Sandia National Laboratories, University of New Mexico, and Texas Instruments Incorporated.

Music Production and the Coding Behind It

Session 1 and 2
Whether you are a budding composer, music producer, or technology whiz, this explorative program uses technology to change how you create and think about music and provides the tools to help you push the boundaries of music and technological culture. You will learn programming in the ChucK computer language, which is used for real-time sound synthesis and music creation. You’ll design digital instruments using various sensors and actuators, interface them to a microcontroller and program the microcontroller to perform specific tasks, and finally to design your own project.

INSTRUCTOR: JAMES MORGAN
Director of the Mathematics Center
James is a member of the Department of Mathematics and the Director of the Math Center at Western New England University. He studied philosophy and bassoon performance with California State University and has a master’s degree in Mathematics from Central Connecticut State University. James has been experimenting with electronic music since the early 1980s, has taught college-level mathematics for over 18 years, and has participated in hundreds of orchestral, chamber, and contemporary music performances.