Aerospace Engineering
Explore aviation history, physics, and engineering concepts related to flight
Grades: 7, 8
Location: Rollins College, FL
Term: Term 1 (June 9–29)
Program: Summer Studies

Algebra I
Complete a highly accelerated year of high school math.
Grades: 7, 8
Location: Austin College, TX, Appalachian State University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Algebra II
Complete a highly accelerated year of high school math.
Grades: 7, 8
Location: Trinity University, TX
Term: Term 2 (July 7–27)
Program: Summer Studies

American Foreign Policy
How is American foreign policy determined, and who is responsible for shaping it?
Grades: 8, 9, 10
Location: University of Georgia, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Anatomy, Physiology, and Medical Ethics
Learn the tools to view the human body as a complex and intricate structure.
Grades: 8, 9, 10
Location: Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Applications, Algorithms, Computers: Modern Programming
How does Google instantly find the relevant websites when you type a word into the search bar? How does a city know the most efficient route that their trash collectors should take?
Grades: 8, 9, 10
Location: Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Applying Mathematical Arts
How can math explain everyday things like spider webs and flowers? What do the Golden Ratio and the Circle of Fifths have to do with naturally occurring patterns, breathtaking architecture, and the composition of majestic symphonies?
Grades: 7, 8
Location: Wake Forest University, NC
Term: Term 2 (July 7–27)
Program: Summer Studies

Aquatic Biology
Explore aquatic biology by studying the ecology and behavior of plants, animals, and microbes living in freshwater, such as inland lakes, ponds, rivers, creeks, and wetlands.

Grades: 7, 8
Location: Rollins College, FL
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Archaeology and Anthropology: Stones and Bones**
Delve into a college-level introduction to anthropology, the holistic study of humans and human societies, both in the classroom and in the field.
Grades: 7, 8
Location: Wake Forest University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Archaeology and Anthropology: Stones and Bones**
Delve into a college-level introduction to anthropology, the holistic study of humans and human societies, both in the classroom and in the field.
Grades: 8, 9, 10
Location: University of Georgia, GA
Term: Term 2 (July 7–27)
Program: Summer Studies

**Architecture**
Explore the history and process of designing spaces and structures through a comprehensive examination of the rich world of architecture.
Grades: 7, 8
Location: Austin College, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Architecture**
Explore the history and process of designing spaces and structures through a comprehensive examination of the rich world of architecture.
Grades: 7, 8
Location: Davidson College, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Architecture in the Urban Environment**
Modern architecture represents the intersection of science, technology, engineering, and art. Using the cityscape and a modern design laboratory as your classroom, discover the intricacies of architecture and how it defines the very nature of a city itself.
Grades: 8, 9, 10
Location: Rice University, TX, Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Artificial Intelligence**
While science fiction has a long history of intelligent machines, we now live in a world in which these machines are reality - and you can learn the skills to work in this exciting field.
Grades: 8, 9, 10
Location: Georgia Tech, GA
Term: Term 2 (July 7–27)
Program: Summer Studies
**Astronautical Engineering**
Explore the history and orbital mechanics of spaceflight from Newton and Kepler through Mercury, Gemini, Apollo, and the space shuttle programs.
Grades: 8, 9, 10
Location: Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Beyond Baker Street: The Detective as Scientist in Literature and Film**
I never guess. It is a shocking habit - destructive to the logical faculty. So said Sherlock Holmes, the quintessential fictional detective.
Grades: 7, 8
Location: Trinity University, TX, Wake Forest University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Big Screen, Little Screen: Writing for the Camera**
Delve into your imagination and explore the outside world to express your creative ideas.
Grades: 8, 9, 10
Location: Duke University East, NC
Term: Term 1 (June 9–29)
Program: Summer Studies

**Biological & Chemical Sciences**
Science moves forward by generating theories consistent with laboratory observation. Interact directly with natural phenomena and data collected by others as you design investigations, manipulate equipment, and analyze results.
Grades: 7, 8
Location: Davidson College, NC, Trinity University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Biology of Cancer**
In the United States, 1.5 million people are diagnosed with cancer each year. Given the prevalence of this disease, much attention and research has been focused on identifying causes and designing treatments to combat it.
Grades: 8, 9, 10
Location: Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Biomedical Engineering**
Biomedical engineering applies fundamental science and math principles to improve human health beyond the limits of traditional medicine.
Grades: 8, 9, 10
Location: Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Business Strategy: Beyond the Lemonade Stand**
Study and practice business planning, decision analysis, and management strategies as they relate to the development and implementation of successful companies.
Grades: 7, 8
Location: Trinity University, TX, Wake Forest University, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies  

**Choosing Sides: Debate and Persuasion**  
A sound argument can transform public opinion, move people to their feet, or change the course of nations.  
Grades: 7, 8  
Location: Appalachian State University, NC, Austin College, TX, Rollins College, FL  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies  

**Computer Skills for Today's Scientists and Engineers**  
Physicists use supercomputers to analyze massive collisions in underground particle accelerators. Neuroscientists use artificial neural networks to probe the inner workings of the brain's neurons.  
Grades: 8, 9, 10  
Location: Duke University East, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies  

**Creative Chronicles: The Intersection of Narrative and History**  
The crossroads of public and personal history has spawned a compelling new class of creative nonfiction that merges biography, documentary, personal essay, and drama.  
Grades: 8, 9, 10  
Location: Duke University East, NC  
Term: Term 2 (July 7–27)  
Program: Summer Studies  

**Creative Writing**  
Discover your artistic voice through an in-depth look at examples of great literature and the elements that form the foundation of such writing.  
Grades: 7, 8  
Location: Rollins College, FL, Austin College, TX, Appalachian State University, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies  

**Creative Writing**  
Discover your artistic voice through an in-depth look at examples of great literature and the elements that form the foundation of such writing.  
Grades: 7, 8  
Location: Davidson College, NC, Wake Forest University, NC, Trinity University, TX  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies  

**Crime Scene Investigations**  
Go beyond the simplified forensic science that has been popularized in the media; learn the real techniques forensic investigators use to gather and analyze evidence at a crime scene and in the lab.  
Grades: 7, 8  
Location: Appalachian State University, NC, Austin College, TX, Rollins College, FL  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies  

**Criminal Law and Mock Trial**  
Survey major topics in criminal law, the criminal justice system, and relevant constitutional law.
Criminal Trial Advocacy
This course is modeled after law school curriculum. Delve into black-letter law and litigation techniques used by trial lawyers through a series of workshop activities and the analysis of criminal procedure cases.

Grading: 8, 9, 10
Location: Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Crunching the Numbers: Global Finance
In an age when global financial transactions involve millions, billions, and even trillions of dollars, the question arises: Where does all of the money go?

Grading: 8, 9, 10
Location: Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Cryptography, Codebreaking, and the Mathematics of Spying
Throughout history, human societies have devoted significant resources to the protection of domestic secrets and the detection of foreign intelligence. Explore the techniques of cryptography and code breaking.

Grading: 7, 8
Location: Davidson College, NC, Wake Forest University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Design Challenges: Physics and Engineering
Force, motion, and energy make up the foundation of physics. Explore these concepts by examining their roles in design and engineering.

Grading: 7, 8
Location: Rollins College, FL, Austin College, TX, Appalachian State University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Dictators, Kings, and CEOs: The Evolution of Empire
Empires are perhaps the single most formative phenomenon in history. Survey influential empires through the ages and learn how they impacted the development of the world politically, culturally, socially, and militarily.
Director's Cut: From Storyboard to Screen

This course is an interactive introduction to film as a form of art and entertainment. Explore the basic history, concepts, and terms associated with the study and production of film, then go beyond the theoretical to apply these concepts to the production of short videos.

DNA: Unlocking the Genetic Code

Inside most human cells is a six foot long molecule that contains millions of pieces of information. Take a hands-on approach to understanding this molecule, deoxyribonucleic acid (DNA).

Engineering Disasters: Fatal Flaws

Some mistakes should not be forgotten. As humans have exponentially increased our ability to accomplish magnificent feats of engineering, the risk of catastrophe in each of these projects has also escalated.

Engineering for Fun

Behind roller coasters, water parks, miniature golf courses, and theme parks are engineers who understand physical forces, the fundamentals of design, and the psychology that goes into the business of fun.

Engineering in the Virtual World

Enter the world of 3-D modeling and build the software knowledge that has become arguably the most important skill in an engineer's toolbox.
Engineering Problem Solving
Explore the various fields of engineering and their interactions in an intensively hands-on way.
Grades: 7, 8
Location: Davidson College, NC, Trinity University, TX, Wake Forest University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Engineering Problem Solving
Explore the various fields of engineering and their interactions in an intensively hands-on way.
Grades: 8, 9, 10
Location: Louisiana State University, LA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Environmental Toxicology
Working at the intersection of chemistry and toxicology, explore the causes and effects of major classes of pollutant chemicals.
Grades: 8, 9, 10
Location: Duke University West, NC
Term: Term 1 (June 9–29)
Program: Summer Studies

Ethics and the Little White Lie
Explore common ethical theories to gain an understanding of the philosophical issues and concepts of moral reasoning.
Grades: 8, 9, 10
Location: Duke University East, NC, Duke University West, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Experiments in Science: Biology, Chemistry, and Physics
Investigate science through the process that has driven discovery for centuries: experimentation.
Grades: 7, 8
Location: Appalachian State University, NC, Austin College, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Forensic Anthropology
Forensic anthropologists are often called "bone detectives" and are featured on many crime-solving television shows.
Grades: 8, 9, 10
Location: Duke University West, NC
Term: Term 1 (June 9–29)
Program: Summer Studies

Forensic Science
Forensic science is the scientific analysis of physical evidence. Examine some types of evidence encountered in criminal investigations and the techniques used to analyze that evidence.
Grades: 8, 9, 10
Location: Duke University West, NC, Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies
From Wonderland to Hogwarts
Travel through the minds of writers who have shaped the genre of fantasy literature.
Grades: 7, 8
Location: Appalachian State University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Game Theory: Economics
Using complex mathematical concepts, analyze situations in which two or more parties are competing, determine the best course of action for each party, predict the outcome, and then apply these concepts to circumstances across all disciplines.
Grades: 9, 10
Location: Duke University East, NC, Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

History of the Future
Study the origins of futurism and examine how societies attempt to predict the future despite uncertainty.
Grades: 8, 9, 10
Location: Duke University East, NC, Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Ideals in Action: Policymaking on a Global Scale
At the end of the last century, former Secretary of State James Baker sounded a call for students, scholars, and statesmen to come together and "build a bridge between the world of ideas and the world of action."
Grades: 8, 9, 10
Location: Rice University, TX
Term: Term 1 (June 9–29)
Program: Summer Studies

Infectious Diseases
From the Ebola virus to smallpox to anthrax, disease and the risk of epidemics has been a common topic in news reports and a growing concern for many people. How then do we understand the nature of these diseases, the way they spread, how they can be controlled, and the true risk they may pose?
Grades: 8, 9, 10
Location: University of Georgia, GA, Louisiana State University, LA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

International Relations: Global Conflicts
Why do people go to war, engage in trade, or defend human rights? How do these issues affect the individual, and what difference can one person make?
Grades: 8, 9, 10
Location: Duke University East, NC, Georgia Tech, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Introduction to Veterinary Medicine
Modern veterinarians occupy a variety of careers ranging from typical clinical work on domestic or exotic animals to research and academic scholarship.
Grades: 8, 9, 10
Location: University of Georgia, GA
Literary License without Limits
Experienced writers apply here. No matter your preferred genre, go beyond your writing limits by exploring countless creative ways of crafting and structuring language.
Grades: 8, 9, 10
Location: Duke University East, NC, Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Macroeconomics
Complete an intensive course equivalent to an introductory or principles level college course in macroeconomics.
Grades: 8, 9, 10
Location: Duke University East, NC
Term: Term 2 (July 7–27)
Program: Summer Studies

Materials Science: The Building Blocks of Engineering
From the Stone Age to the Computer Age, humans have always sought to identify and engineer materials with the mechanical, electrical, thermal, optical, and magnetic properties that make innovation possible.
Grades: 8, 9, 10
Location: Duke University West, NC
Term: Term 2 (July 7–27)
Program: Summer Studies

Math, Money, and You
Delve into the world of math and money. Why do stores put items on sale and risk making less money? When is the right time to purchase a stock or bond, and what investments make sense?
Grades: 7, 8
Location: Appalachian State University, NC, Rollins College, FL, Austin College, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Mathematical Modeling and Applied Statistics
Engage in mathematical analysis as it relates to the real world. How do you use numbers to prove your point? How do you create mathematical models that skew data in your favor?
Grades: 8, 9, 10
Location: University of Georgia, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

Mathematical Modeling and Applied Statistics
Engage in mathematical analysis as it relates to the real world. How do you use numbers to prove your point? How do you create mathematical models that skew data in your favor?
Grades: 7, 8
Location: Trinity University, TX
Term: Term 1 (June 9–29)
Program: Summer Studies

Mathematical Problem Solving
Apply mathematical knowledge and methods in new ways to solve interesting and complicated problems and proofs.
Grades: 7, 8
Location: Trinity University, TX, Davidson College, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Microeconomics**

Complete an intensive course, roughly equivalent to an introductory or principles level college course in microeconomic theory.

Grades: 8, 9, 10  
Location: Duke University East, NC  
Term: Term 1 (June 9–29)  
Program: Summer Studies

**Mobius Strips, Klein Bottles, and Fractals: The Mathematics of Distortion**

Explore topology, the mathematical study of twisting, bending, and stretching objects.

Grades: 8, 9, 10  
Location: Georgia Tech, GA, Duke University East, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Mock Trial**

Examine fundamental topics of law, including the criminal and civil justice system, rules of evidence, eyewitness testimony, civil rights, and challenges to constitutional law.

Grades: 7, 8  
Location: Appalachian State University, NC, Rollins College, FL  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Mock Trial**

Examine fundamental topics of law, including the criminal and civil justice system, rules of evidence, eyewitness testimony, civil rights, and challenges to constitutional law.

Grades: 7, 8  
Location: Trinity University, TX, Wake Forest University, NC, Davidson College, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Modern Medicine: Disease and Immunology**

Disease can change the course of a single life or the course of human history.

Grades: 7, 8  
Location: Wake Forest University, NC, Trinity University, TX, Davidson College, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Modern Medicine: Disease and Immunology**

Disease can change the course of a single life or the course of human history.

Grades: 8, 9, 10  
Location: Louisiana State University, LA, University of Georgia, GA  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Myths and Legends**

Storytelling is an integral part of many cultures around the world, a practice that defines who we are and what our societies value.

Grades: 7, 8  
Location: Davidson College, NC, Wake Forest University, NC
Myths and Legends
Storytelling is an integral part of many cultures around the world, a practice that defines who we are and what our societies value.
Grades: 7, 8
Location: Appalachian State University, NC, Rollins College, FL

Neuropsychology
Why are roller coasters thrilling for some and terrifying for others? How does brain development affect perception, judgment, and decision-making?
Grades: 8, 9, 10
Location: Louisiana State University, LA

Neuroscience
Humans everywhere are turning to the brain for answers to questions that have plagued our species for centuries: Why do people do evil things? What is love?
Grades: 8, 9, 10
Location: Georgia Tech, GA

Pathogens, Plagues, and Patient Zero: Historical Epidemiology
From the Black Death to smallpox to HIV/AIDS and the Ebola virus, infectious diseases have profoundly affected human history and shaped the progress of societies.
Grades: 8, 9, 10
Location: Rice University, TX, Georgia Tech, GA

Pharmacology
How do we discover new drugs? How do pharmacologists balance the therapeutic value of a drug with its negative side effects?
Grades: 8, 9, 10
Location: University of Georgia, GA, Louisiana State University, LA

Philosophy in Literature and Film
In subtle and overt ways, philosophical concepts ranging from nihilism to existentialism shape novels, plays, comic books, pop music, and documentaries.
Grades: 8, 9, 10
Location: Duke University East, NC

Philosophy of Knowledge
For centuries, philosophers have debated the relationship between the mind and the world. What is knowledge? What makes knowledge meaningful?
Grades: 8, 9, 10  
Location: University of Georgia, GA, Louisiana State University, LA  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Philosophy of Time**

What is time? How have different cultures throughout history understood and represented it? Does it unfold in a straight line, or is it best represented by a circle of eternal recurrence?

Grades: 8, 9, 10  
Location: Duke University East, NC  
Term: Term 2 (July 7–27)  
Program: Summer Studies

**Political Cultures and Countercultures: The Battle for Public Opinion**

Since the beginning of recorded history, politics has been a struggle between two opposing forces: elite and popular power.

Grades: 8, 9, 10  
Location: Duke University East, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Programming for the Web**

There is an increasing demand for computer applications to be collaborative, dynamic, and tied to the user instead of a computer or mobile device.

Grades: 7, 8  
Location: Austin College, TX  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Psychology**

The field of psychology is remarkably diverse and includes countless areas of interdisciplinary study and practical applications.

Grades: 7, 8  
Location: Appalachian State University, NC, Austin College, TX  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Psychology**

The field of psychology is remarkably diverse and includes countless areas of interdisciplinary study and practical applications.

Grades: 7, 8  
Location: Davidson College, NC, Trinity University, TX, Wake Forest University, NC  
Term: Term 1 (June 9–29), Term 2 (July 7–27)  
Program: Summer Studies

**Psychology of Decision Making: Behavioral Economics**

Integrate insights from cognitive psychology, social psychology, and behavioral economics to understand why people make the choices they make.

Grades: 8, 9, 10  
Location: Georgia Tech, GA  
Term: Term 1 (June 9–29)  
Program: Summer Studies

**Revolution and Terror: Controversial Politics**
Violence and fear have always been instruments of politics. Rulers and rebels alike have resorted to force (or the threat of it) to try to advance their ends.

Grades: 8, 9, 10
Location: Duke University East, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Robotics**
Study the fields of both robotics and engineering to discover the intersection between theory and interactive, hands-on application.

Grades: 7, 8
Location: Trinity University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Science on the Appalachian Trail**
The southern Appalachian Mountains have a vast history that encompasses hundreds of millions of years.

Grades: 7, 8
Location: Appalachian State University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Social Psychology**
Social psychology is the formal study of the ways in which individuals affect one another.

Grades: 8, 9, 10
Location: Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Spacecraft Mission Design**
Go where only a few men, women, and spacecraft have gone before. Discover the history of spaceflight, from Isaac Newton and Johannes Kepler to NASA's Mercury, Gemini, and Apollo missions to the Mars Rover and current interstellar research.

Grades: 9, 10
Location: Georgia Tech, GA
Term: Term 1 (June 9–29)
Program: Summer Studies

**Speculative Fiction: Reading and Writing About Alternate Worlds**
What do J.R.R. Tolkien's Gollum, Shakespeare's fairies, Stephen King's Cujo, Suzanne Collins' Katniss Everdeen, and Ray Bradbury's Martians all have in common?

Grades: 8, 9, 10
Location: University of Georgia, GA
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies

**Speculative Fiction: Reading and Writing About Alternate Worlds**
What do J.R.R. Tolkien's Gollum, Shakespeare's fairies, Stephen King's Cujo, Suzanne Collins' Katniss Everdeen, and Ray Bradbury's Martians all have in common?

Grades: 7, 8
Location: Wake Forest University, NC, Trinity University, TX
Spoken Word: Storytelling, Podcasting, and Slam Poetry

The art of spoken word can take on many forms, from the valedictorian's address at graduation to oral histories to a candidate's speech on the political trail.

Grades: 8, 9, 10
Location: Duke University East, NC

Sports Medicine

Examine the diagnosis, treatment, and prevention of common sports injuries from an anatomical, physiological, and psychological perspective.

Grades: 8, 9, 10
Location: Louisiana State University, LA

Spy 101: Cryptology and Number Theory

The history of cryptology, the art of enciphering and deciphering, is one of the most exciting stories of applied mathematics.

Grades: 8, 9, 10
Location: Rice University, TX

That's Debatable

State your case! Learn the art of argument used in presidential debates, courtroom showdowns, and forensics tournaments.

Grades: 7, 8
Location: Davidson College, NC, Wake Forest University, NC

The Brain, Intelligence, and Creativity

Examine the intersection of neuroscience and psychology as you investigate the most complex organ in the human body.

Grades: 7, 8
Location: Davidson College, NC, Trinity University, TX

The Ethics of Artificial Intelligence

What happens when you create an intelligent, autonomous robot and then limit its freedom?

Grades: 8, 9, 10
Location: Duke University West, NC
The Haunting: Exposing the Mind's Fear of Myth & Monster
Through the use of literature and film clips, investigate the psychological roots of ghosts, vampires, and other unexplainable paranormal phenomena.
Grades: 8, 9, 10
Location: Louisiana State University, LA
Term: Term 1 (June 9–29), Term 2 (July 7–27)

The Human Body
The human body is composed of complex, interrelated systems. Explore the systems of the human body and examine how they work together.
Grades: 7, 8
Location: Rollins College, FL, Appalachian State University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)

The Intersection of Math and Art
From seashells and honeycombs to the Mona Lisa and the Great Pyramids, math is all around you!
Grades: 7, 8
Location: Appalachian State University, NC
Term: Term 1 (June 9–29)

The Pen as Weapon: The Art of Satire
Grades: 8, 9, 10
Location: University of Georgia, GA, Louisiana State University, LA
Term: Term 1 (June 9–29), Term 2 (July 7–27)

Theater Arts
Unlike other forms of literature, drama is not meant to be read; it is meant to be performed for an audience.
Grades: 7, 8
Location: Rollins College, FL, Appalachian State University, NC
Term: Term 1 (June 9–29), Term 2 (July 7–27)

Universal Innovation: Unlocking the Future
In a modern economy, mastering your field is not enough. Skills such as creativity, critical thinking, problem solving, resilience, and adaptability are all vital to continuous innovation.
Grades: 7, 8
Location: Trinity University, TX
Term: Term 1 (June 9–29)

Where Great Minds and Big Money Meet
As today's technology sector has proven time and again, entrepreneurship is both a science and an art. But how do you move from inspiration to investor?
Grades: 8, 9, 10
Location: Duke University East, NC, Rice University, TX
Words that Matter: Rhetoric and Persuasion
Delve into an advanced exploration of the power of the spoken word.
Grades: 8, 9, 10
Location: Duke University East, NC, Rice University, TX
Term: Term 1 (June 9–29), Term 2 (July 7–27)
Program: Summer Studies