



# Institute of Advanced Technology at Rockdale County High School

1174 Bulldog Circle, Conyers, GA 30012 • 770-483-8754 • [www.rockdale.k12.ga.us](http://www.rockdale.k12.ga.us)



**Rockdale County  
Public Schools**

*Specialty & Choice Options*

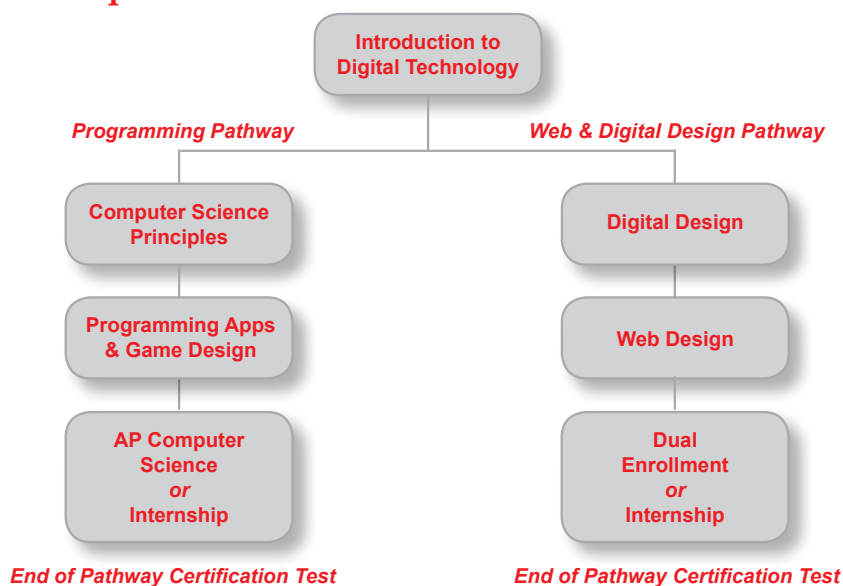


## Program Overview

The Institute of Advanced Technology offers a curriculum that links rigorous core academic courses to computer science and video game design courses. The program incorporates Georgia Professional Standards in a curriculum that includes network services, information technology support and services, programming and software development, and interactive digital media systems.

Courses and course progression are subject to change to meet industry and post-secondary educational standards and/or requirements. Students must follow the course progression and maintain passing grades to remain in the program.

## Course Sequence



## Components for Student Success

The students will complete a pathway as posted above beginning with Introduction to Digital Technology. All courses must be taken in order and upon completion of the courses; the students will sit for the End of the Pathway Assessment, Microsoft Technology Associate (MTA): Gaming Development Fundamentals or Digital Media Communications Fundamentals.

The goal of the Institute is to prepare its graduates to move forward with the technical ability to pursue post-secondary educational opportunities at technical centers and/or four-year colleges and universities. These students will have multiple options upon graduation due to the rigor and relevance of these pathways.



## Application, Eligibility, and Lottery

RCPS will use an electronic application process for 2016-17 School Choice programs. **No paper applications will be accepted.** Students may apply for one School Choice program only for the 2016-17 school year.

The application window is December 1 - 18, 2015. The online application will be available on the district website at:

**[www.rockdale.k12.ga.us](http://www.rockdale.k12.ga.us)**

The Student Registration Office at 1143 West Avenue will provide assistance to access the online application if needed, Monday through Friday, 8:00 a.m. - 3:00 p.m., on a first come, first served basis. Only complete applications will be accepted.

## Eligibility Criteria

- Students must meet the student registration requirements for Rockdale County Public Schools.
- Students who change schools after day one of their 9th grade year may not be eligible for varsity sports, literary competitions or One Act Play. All GHSA eligibility rules apply for all programs.

## Lottery

In the event there are more eligible applicants than space available, students will be selected via a random lottery drawing. If needed, a lottery will be held in January.

# Institute of Advanced Technology at Rockdale County High School

## Programming Pathway

The Programming Pathway is one of six pathways in the Information Technology Cluster. This cluster builds linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, and multimedia and systems integration services. Careers in Programming and Software Development involve the design, development, implementation and maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages and software development. People with expertise in programming and software development work with cutting-edge technologies to develop tomorrow's products for use by businesses and consumers.



## Web & Digital Design Pathway

The Web & Digital Design pathway is one of six pathways in the Information Technology Cluster. This cluster builds linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, and multimedia and systems integration services. The Web & Digital Design Pathway is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are taught in a computer lab with hands-on activities and project-focused tasks. Student will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course.



## A Message from the Principal

Welcome to the Institute of Advanced Technology at Rockdale County High School, a diverse learning community that affords high school students the opportunity to concurrently train for a career in multiple accelerated technology pathways while focusing on a rigorous core curriculum in programming/gaming design.

With the implementation of this technology program, we will better prepare students to enter the ever-growing informational technology field through the use of design, logical reasoning, and problem solving. This, paired with a core curriculum focused on accelerated and Advanced Placement courses, offers a unique, team approach to academic success.

Students enrolled in this rigorous program will find themselves in smaller classes that offer the benefits of state-of-the-art technology. We have a talented, veteran staff that will guide them in both their IT and core classes. This challenging and innovative curriculum ensures that the Institute of Advanced Technology will produce young men and women who will enter into the field of informational technology with a marketable skill set.

— Mary Ann Suddeth

