Institute of Advanced Technology
at Rockdale County High School

Rockdale County Public Schools
RCPS
Specialty & Choice Options

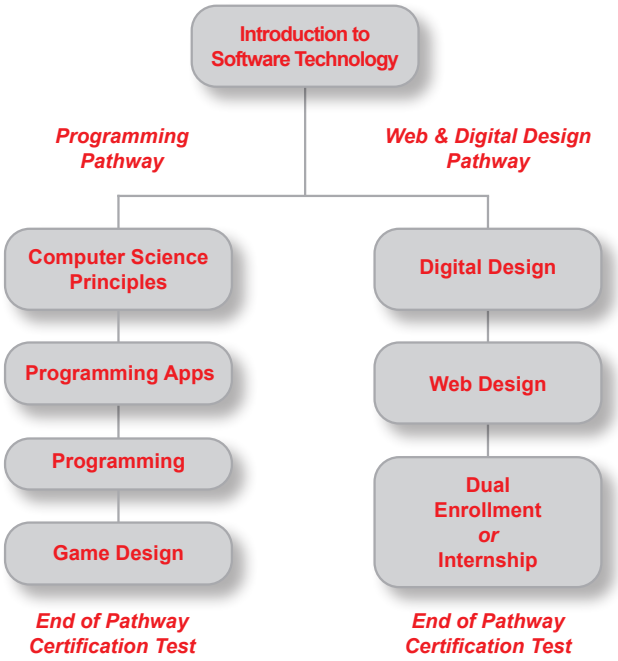
1174 Bulldog Circle, Conyers, GA 30012 • 770-483-8754 • rchs.rockdaleschools.org

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 Software 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): Software Development or Certified Internet Web Professional (CIW): Site Development Associate.

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 2025-2026 School Choice programs. No paper applications will be accepted. Students may apply for one School Choice program only for the 2025-2026 school year.

The application window is open November 8 through December 13, 2024, to apply for the 2025-2026 school year.

The online application will be available on the district website at: **rockdaleschools.org.**

Only completed 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.

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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. Students 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. Our program is based on a rigorous curriculum which provides students with the opportunity to gain the necessary knowledge and skills to be successful in post-secondary education and careers in computer programming, video game design, software development, web design, digital design and other informational technology courses. Our students are able to meet industry standards and are creating innovative products at the level of those produced by experts in the field.
The program is a fantastic opportunity for students with an interest in Advanced Technology. We are excited about your child joining this unique specialty program.

Dr. Ogé Denis, Jr.
Principal