

# Engineering & Technology

Internships  
Post-secondary Prep



**INFORM.  
ENGAGE.  
PREPARE.**

## 9TH & 10TH GRADE

### **PATHWAY OVERVIEW**

Engineering & Technology combines hands-on projects with a rigorous curriculum to prepare students for the most challenging post-secondary engineering and technology programs. Students build solid writing, comprehension, calculation, problem-solving, and technical skills.

In addition to classroom and laboratory experiences, students participate in the Technology Student Association (TSA). TSA activities promote leadership skills, high standards of craft quality, scholarship, and safety. Through TSA, students have the opportunity to explore the community's industrial and technological resources, practice parliamentary procedures and democratic decision-making, and earn recognition for exemplary performance.

Engineering & Technology graduates typically pursue post-secondary education to prepare for engineering technician-oriented positions. Possible college majors include architectural, biomedical, chemical, civil, computer, computer science, electrical, environmental, industrial, manufacturing, materials, mechanical, and nuclear engineering and engineering technology.

[www.4CAcademy.org](http://www.4CAcademy.org)  
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Albany, GA 31701

## 11TH & 12TH GRADE

### **INTERNSHIPS & POST-SECONDARY PREP**

#### 11th Grade

**Career exploration:** Students will choose specific engineering disciplines that are of interest to them as career options for further study.

**Portfolio development:** Students will create a portfolio based on the specific requirements of education and licensing for their chosen engineering discipline.

**Resume:** The portfolio will be developed into a "resume" to be used for internships in the 12th Grade.

#### 12th Grade

The engineering class will work with 4C Academy's CEO and local engineering firms to be placed in an internship that relates to their chosen engineering discipline. The students will use this internship to help confirm their choice before beginning their post-secondary education.

### **REAL WORLD OPPORTUNITY**

Career opportunities in these fields generally involve planning, managing, and providing scientific research and professional and technical services. The demand for skilled engineers in the United States far outpaces the current supply, so the future looks bright for students who want to follow an engineering-related career.