Gordon Cooper Technology Center offers full-time career pathways to high school juniors and seniors. A student is eligible to receive college credit for most full-time career majors. Courses are offered from 8:15 to 11:15 AM and 12:55 to 3:55 PM Monday through Friday. A student can choose to attend either the AM or PM session or both sessions. All students must be assessed before entering a career major.

**Pre-Engineering** is designed to help students explore and investigate the career of engineering. Instruction is done through an academy style schedule offering college preparatory course work in mathematics and science. Engineering classes use a project based curriculum which offers hands-on activities to show relevant applications of mathematical and scientific properties. Courses are offered from 8:15 to 11:15 AM and 12:55 to 3:55 PM Monday through Friday. A student can choose to attend either the AM or PM session.

- Geometry
- Algebra 2
- Pre-Calculus
- AP Calculus
- Pre-AP Chemistry
- AP Physics B
- AP Physics C
- Principles of Engineering (OHLAP/ Technology Credit)
- Introduction to Engineering Design (OHLAP/ Technology Credit)
- Digital electronics
- Civil Engineering & Architecture
- Aerospace Engineering
- Engineering Design & Development

### Entrance Requirements:
This is a three year program for high school students interested in a career involving mathematics and science. Successful completion of Algebra I is a pre-requisite. Students may attend in either the AM or PM session (subject to availability). Attention to detail, analytical thinking and problem solving, and communication skills are qualities that are necessary for success in this program. Positive attitude and self-motivation are also desirable qualities.

### Academic Credits:
- Geometry, Algebra II, Pre-Calculus, AP Calculus, Pre-AP Chemistry, AP Physics B, AP Physics C, Principles of Engineering (Technology), Introduction to Engineering Design (Technology)

### College Credit:
College credit in Calculus can be earned during the student’s senior year at St. Gregory’s University if the student enrolls in the Concurrent College Calculus course(s).

### Certification Testing:
This academy is designed to prepare high school students for success in college study of engineering or math/science intensive fields. Graduates from the academy should plan to pursue a University Level track to obtain a degree in some area of engineering, or math/science related field.

### Instructors:
- Sue Ellen Frerichs (405) 273-7493 ext 2210 Email: suef@gctech.edu
- Kristi Stricklin (405) 273-7493 ext 2232 Email: kristis@gctech.edu
- Jamie Crouch (405) 273-7493 ext 2229 Email: jamiec@gctech.edu
- Paul Schmidtkofer (405) 273-7493 ext 2304 Email: pauls@gctech.edu

### Required Materials/CTSO Dues
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NON-DISCRIMINATION

The Gordon Cooper Technology Center, in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 and Title IX of the Education Amendments of 1972, does not discriminate on the basis of race, ethnicity, religion, national origin, age, gender, disability or veteran status in any of its policies, practices, or procedures. These equal opportunity provisions include, but are not limited to admission, employment, financial aid, and student services. Compliance Officers are: Mike Matlock, Neisha Haskins and Donna Stone.

Information regarding career majors and gainful employment statistics of our former students can be found under the “About” tab on our school website:  www.gctech.edu