

Vision

To educate and inspire high school students in STEM fields.



Mission

The STEM Academy will provide transformative educational opportunities for science, technology, engineering and math-minded high school students.



CCBC
STEM
ACADEMY

Engineering Your Future

www.ccbc.edu/stemacademy

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CCBC
STEM
ACADEMY
Engineering Your Future



Limited enrollment
APPLY NOW

CCBC STEM ACADEMY

Engineer Your Future by joining the CCBC STEM Academy

As a student of the STEM Academy you will:

- Begin your college education while you are a high school student.
- Earn up to 28 college credits for a fraction of the cost of current college tuition.
- Prepare for a high-demand, well-paying job in our region or nationwide.
- Gain hands-on experience in classrooms and labs from professional college faculty.
- Study with a group of students from around our area who are interested in science, technology, engineering and math.

Become a scientist, engineer, or innovator in a job area that is projected to grow 14% through 2020

(Source: US Dept of Education website)

Step-by-Step Enrollment

1. Meet with your high school guidance counselor.
2. Complete the STEM Academy application packet and submit it to your guidance counselor.
3. Once accepted, pay tuition for the program.
4. Plan to attend an open house event to get acquainted with the program.

Choose from two career tracks: Engineering and Process Technology

High School Courses Prerequisites or Corequisites

ENGINEERING ADMISSIONS CRITERIA:

- High school junior or senior with minimum of 3.0 GPA
- Completed Algebra II with a B or better
- Completed Chemistry with a C or better
- Compete Pre-Calculus with a B or better

PROCESS TECHNOLOGY ADMISSIONS CRITERIA:

- High school junior or senior with a minimum of 2.5 GPA
- Completed Algebra II with a C or better
- Completed Biology with a C or better
- Recommend taking Chemistry

Curriculum

ENGINEERING

1st Term (7 Credits)

ENGR100	Introduction to Engineering
PSYC101	General Psychology
COLL100	Titan Transition

2nd Term (7 Credits)

CHEM101	General Chemistry I
ENGR130	Robotics

3rd Term (7 Credits)

ENGR120	CAD: Computer Aided Drafting
MATH160	Calculus I

4th Term (7 Credits)

MATH161	Calculus II
WRIT101	English Composition

PROCESS TECHNOLOGY

1st Term (7 Credits)

PTEC100	Introduction to Process Technology
COMM110	Interpersonal Communication
COLL100	Titan Transition

2nd Term (7 Credits)

PTEC102	Safety, Health and Environment
MATH129	College Algebra with Review

3rd Term (7 Credits)

PTEC104	Process Technology Equipment
WRIT101	English Composition

4th Term (7 Credits)

PTEC106	Instrumentation I
CHEM105	Principles of Biological Chemistry

Learn More. Earn More.



Engagement in STEM subjects helps you develop problem solving, critical thinking, and leadership skills.

(Source: STEM Jobs Magazine website)

ENGINEERING

STARTING SALARY: \$52,000 - \$65,000

MEDIAN SALARY: \$75,000 - 87,000

TOP SALARY: \$150,000+

PROCESS TECHNOLOGY

STARTING SALARY: \$40,000 - \$60,000

MEDIAN SALARY: \$67,000

TOP SALARY: \$90,000

