



Are you interested in a high paying STEM career?

Enroll in CCBC's STEM Academy to engineer your future.

You'll gain hands-on experience in our classrooms and labs. As a CCBC STEM Academy student you will have the opportunity to earn up to 28 college credits while still taking your high school classes.

BENEFITS

- Learn from experienced college faculty members
- Complete all of the coursework and continue your studies toward an associate degree in Engineering or Process Technology
- Get career-ready for high-demand, well-paying jobs in our region and nationwide

REQUIREMENTS

- Recommendation from principal or guidance counselor
- Good attendance
- Good conduct
- Meet the program-specific requirements outlined below:

ENGINEERING

ADMISSIONS CRITERIA

- High school junior with a minimum of a 3.0 grade point average
- High School prerequisite courses:
 - Sophomore year: Complete Algebra II with a "B" or better and Chemistry with "C" or better
 - Junior year: Complete Pre-Calculus with a "B" or better

PROCESS TECHNOLOGY

ADMISSIONS CRITERIA

- High school junior with a minimum of a 2.5 grade point average
- High School prerequisite courses:
 - Sophomore year: Complete Algebra II with a "C" or better
 - Junior year: Complete Biology with a "C" or better
 - Senior year: Recommend taking Chemistry

HOW TO ENROLL

- Contact your school's guidance office for enrollment information.
- Federal-funded PELL grants available for qualified students.
- Get your enrollment approved by your parent or legal guardian and the high school principal or designee.

TO LEARN MORE ABOUT THE STEM ACADEMY,

- Jodi Carver, Business, Arts, Sciences and Technology High School Facilitator
724-480-3539 • jodi.carver@ccbc.edu
- John Higgs, Dean, School of Business, Arts, Sciences and Technology
724-480-3558 • john.higgs@ccbc.edu

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

