



CCBC STEM ACADEMY

Engineering Your Future

CURRICULUM: 28 CREDITS

CCBC: CENTER CAMPUS

FIRST SEMESTER: 7 CREDITS

CODE	CLASS	CREDITS
ENGR130	ROBOTICS	3
WRIT101	ENGLISH COMPOSITION	3
COLL100	TITAN TRANSITION	1

SECOND SEMESTER: 7 CREDITS

ENGR120	CAD: COMPUTER AIDED DRAFTING	3
CHEM101	GENERAL CHEMISTRY	4

THIRD SEMESTER: 7 CREDITS

ENGR160	ENGINEERING FUNDAMENTALS	3
MATH 160	CALCULUS I	4

FOURTH SEMESTER: 7 CREDITS

MATH161	CALCULUS II	4
LITR210	CONCEPTS OF LITERATURE	3

Do you like problem solving? 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 while connecting with our industry partners in Engineering. As a CCBC STEM Academy student, you will also have the opportunity to earn up to 28 college credits while still attending high school.

BENEFITS

- Learning from experienced college faculty and studying our industry-designed and approved curriculum.
- Continuing your studies toward an associate degree in Engineering.
- Getting job-ready for high demand, well paying jobs coming to Beaver County and the region.

REQUIREMENTS

- Students can join the academy during their junior or senior year
- Good attendance
- Good conduct
- Recommendation from principal or guidance counselor

The following program-specific requirements also apply:

• Engineering Admission Criteria

- GPA 3.0
- High School prerequisite courses:
 - **Sophomore Year**- Complete Algebra II with a "B" or better and Chemistry with a "C" or better
 - **Junior Year**- Complete Pre-Calculus with a "B" or better

HOW TO ENROLL

- Contact your school's guidance office for enrollment information.
- Scholarships are available for qualified students.
- Get your enrollment approved by your parent or legal guardian and the high school principal or designee.
- Submit Academy application and High School transcript to High School Academy office

TO LEARN MORE ABOUT THE STEM ACADEMY

- STEM Academy Champion:
 - stemchampion@ccbc.edu



Courses and/or Course Codes are subject to change. Revised 3/2023