


**CCBC**  
  
**ACADEMY**  
 Engineering Your Future

**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 completing your high school degree.

**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

**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,**

STEM Champion  
 724-480-3539 • [stemchampion@ccbc.edu](mailto:stemchampion@ccbc.edu)

**CURRICULUM**

Credits Required.....28

**STEM Academy - Engineering**

Code	Course	Credits
<b>First Semester – 7 credits</b>		
ENGR100	Introduction to Engineering	3
WRIT101	English Composition	3
COLL100	Titan Transition	1
<b>Second Semester – 7 credits</b>		
CHEM101	General Chemistry I	4
ENGR130	Robotics	3
<b>Third Semester – 7 credits</b>		
MATH160	Calculus I	4
ENGR120	CAD: Computer Aided Drafting	3
<b>Fourth Semester – 7 credits</b>		
MATH161	Calculus II	4
PSYC101	General Psychology	3



**STEM Academy - Process Technology**

<b>First Semester – 7 credits</b>		
PTEC100	Introduction to Process Technology	3
WRIT101	English Composition	3
COLL100	Titan Transition	1
<b>Second Semester – 7 credits</b>		
PTEC104	Process Technology Equipment	4
PSYC101	General Psychology	3
<b>Third Semester – 7 credits</b>		
PTEC106	Instrumentation I	4
COMM201	Public Speaking	3
<b>Fourth Semester – 7 credits</b>		
PTEC206	Instrumentation II	4
WRIT103	Writing for Business/Industry	3