



COMMUNITY COLLEGE
OF BEAVER COUNTY
CCBC.EDU

*Real Learning
for Real Life*

Advanced Manufacturing: Process Operator (PTEC)

Associate in Science



Scan to get started!

TO LEARN MORE CONTACT

Admissions

724-480-3504

Program Info:

Are you interested in a career that is high tech, hands-on, and high paying?

WHAT WILL I LEARN?

The program provides the student with a broad-based education in math, science, computer literacy, process technology, soft skills and training in mechanical aptitude development for a career as a process technician or operator.

CAREERS IN ADVANCED MANUFACTURING: PROCESS OPERATOR

Graduates of the program work in industries that include, Chemical, Petrochemical, Pharmaceutical, Pulp and Paper Water/Wastewater, Nuclear, Composite, Steel, Food and Beverage

INDUSTRY APPROVED

Curriculum has been developed by the North American Process Technology Alliance

FIRST YEAR

First Semester – 16 credits

Course

COMM 110 - Interpersonal Communication **OR**

COMM 201 - Public Speaking

MATH 126 - Statistic

PTEC 100 - Intro to Process Technology

PTEC 102 - Safety, Health & Environment

WRIT 101 - English Composition

Credits

3

4

3

3

3

3

Second Semester – 18 Credits

Course

CHEM 106 - Principles of Chemistry

CIST 100 - Intro to Information Technology

PTEC 104 - Process Technology Equipment

PTEC 106 - Instrumentation

LITR - Literature - TAOC Category Six (LITR)

Credits

4

3

4

4

3

SECOND YEAR

Third Semester – 16 credits

Course

BIOL 100 - Principles of Biology

PHYS 105 - Physical Science

PTEC 200 - Systems

PTEC 206 - Instrumentation II

Credits

4

4

4

4

Fourth Semester – 17 credits

Course

PHIL 101 - Intro to Philosophy **OR**

PHIL 110 - Intro to Ethics

PTEC 202 - Principles of Quality

PTEC 204 - Troubleshooting

PTEC 208 - Process Technology Operations

SOCI 231 - Cultural Diversity **OR**

SOCI 101 - Principles of Sociology **OR**

PSYC 101 - General Psychology

Credits

3

3

4

4

3

Program Curriculum

Credits Required 67