

Integrating Biotechnology and Applied Engineering to meet Emerging Advanced Technological Workforce Needs



Our Project Goal:

By developing four courses and adding the industry standard Delta V certification, Bio Blend will produce 15 graduates ready for hire by June of 2022

Our Partners:

• Grifols • Novo Nordisk • Public School System

PI - Leslie Isenhour laisenhour@johnstoncc.edu

Co PI - Brian Worley beworley@johnstoncc.edu



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www.johnstoncc.edu/bioblend

(919) 934-3051

Objectives:

1) Create and implement a unique curriculum certificate that integrates bioprocess technology and applied engineering

Bioprocess Technology

BPM 110 – Bioprocess Practices – 5 credits

PTC 110 – Industrial Environment – 3 credits

Applied Engineering

MNT 110 - Intro. To Maintenance – 2 credits

ELC 117 - Motors and Controls – 4 credits

2) Create a multi-skilled talent pipeline from college to industry

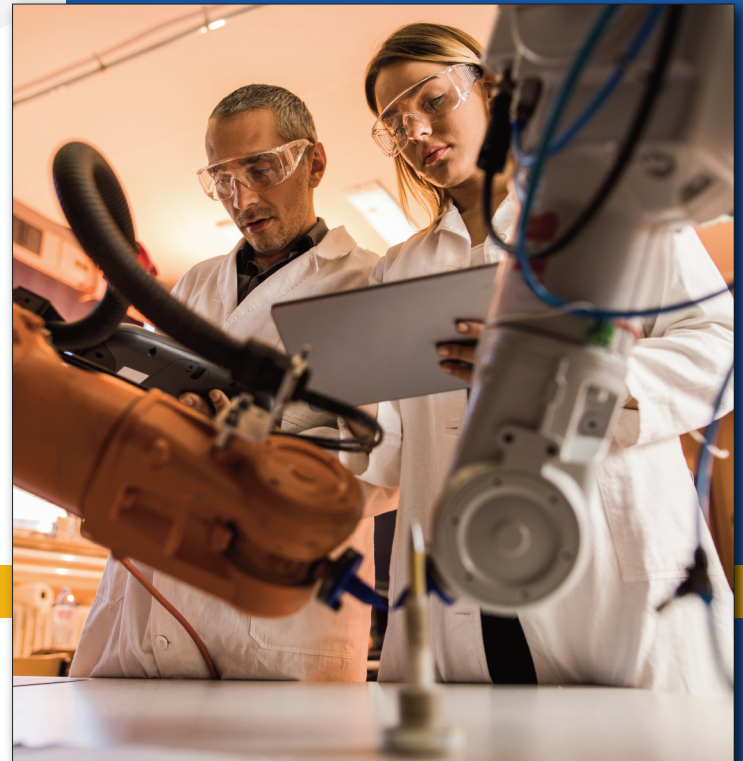
- Hire Bio Blend Career Coach
- Provide engagement opportunities between students and industry
- Support a 48-hour internship for all cohort students
- Evaluate student experience

3) Provide hands-on education in a simulated drug manufacturing environment

- Utilize BioSWE (Biomufacturing Simulated Work Environment) at JCC, 5,000 sq. ft. space for training
- Train students on Delta V, a distributed control system

BIO BLEND

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