Bioprocess Manufacturing Option
Bachelor of Science in Industrial Technology
Online AAS Degree Completion Program

Description of Program

The Bachelor of Science in Industrial Technology (BSIT) is a degree completion curriculum designed for students who hold a *qualifying* **Associate in Applied Science degree** (AAS) in an industrial or technology related field. *AAS degrees that can transition into the BSIT Bioprocess Manufacturing concentration include: Biotechnology; Bioprocess Technology; Industrial Pharmaceutical Technology;and Chemical Process Technology.* There are two completion options: transfer to the main campus or complete online. All required upper division major courses are offered entirely over the Internet, as well as, on the main campus during the day. For online students, these semester-based courses are delivered to allow students flexibility with regard to time and place. The courses are scheduled on a rolling cycle so that the major courses can be completed in as little as two or three years. The Department of Technology Systems has delivered internet-based instruction since 1995 to hundreds of students all over the nation. Please note that our online option is designed for part-time enrollment of one to two courses per term though more courses can be taken if seats are available.

The ***BSIT Bioprocess Manufacturing Concentration*** prepares students for success and leadership in a wide range of careers in the bioprocessing and biomanufacturing fields. Graduates of this program have the skills for positions in quality operations and production planning, maintenance and operations, laboratory operations, and supervision. Students may receive up to 37 hours of lower division major credits for completion of a qualifying AAS degree from a technology related field. In addition, up to 26 hours of general education credits may be applied towards the BSIT if equivalent to our requirements. Graduates are qualified for career advancement opportunities both in technology and managerial fields.

Program requirements

- Completed a qualified associate of applied science degree program.
- Apply up to 63 semester hours from an accredited community college or technical institute.
- At least 63 semester hours must be completed at a four-year college or university.
- At least 36 semester hours of major coursework must be completed at ECU (available on-line).
- Only courses with a 'C' or better will transfer.
- Total 126 hours required for this degree.

Industrial Technology Degree Requirements

Industrial Technology Coursework (42 hours)

ITEC 3000 Internet Tools Technology
ITEC 3290 Technical Writing
ITEC 3300 Technology Project Management
ITEC 3800 Cost and Capital Project Analysis
ITEC 4293 Industrial Supervision
ITEC 3200 Introduction to Statistical Process Control
ITEC 3292 Industrial Safety
ITEC 4300 Quality Assurance Concepts
ITEC 4150 Microbiology for Industrial Processing
ITEC 4250 Engineering for Food Safety & Sanitation
ITEC 4350 Separation Techniques
ITEC 4450 Waste Treatment Techniques
ITEC 4550 Quality in Regulatory Environments
Approved Technical Elective

Courses to transfer or taken online (84 hours)

AAS Technical courses (37 hrs)
English (6 hrs)
ENGL 1100 Composition
ENGL 1200 Composition
Natural Sciences (8 hrs)
Social Science (12 hrs)
ECON 2113 Prin. of Microecon
PSYC 1000 Intro to Psychology
PSYC 3241 Industrial Psyc
Social Science Elective
Math (5 hrs)
MATH 1065 College Algebra
MATH 1074 Trigonometry
Humanities & Fine Arts (10 hrs)
At least one in Humanities
COMM 2420 or 2410 Speech
Hum/Fine Arts to total 10 hrs
Other Cognates (3 hrs)
FINA 2244 Legal Envir. of Bus.
Health & Exercise (3 hrs)

Contact Information

Program Coordinator: Dr. David Batts
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Community College Coordinator: Amy Frank
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This program is accredited by the National Association of Industrial Technology (NAIT) and the Southern Association of Colleges and Schools (SACS).

Tuition & Fees (subject to change)

NC Resident: $99 per credit

Non-resident: $454 per credit

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NAIT BOARD OF ACCREDITATION

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