



Industrial Process Specialist

A Technical Certificate Program

PROGRAM DESCRIPTION

The Industrial Process Specialist certificate program includes courses that prepare individuals for employment at Eastman Chemical Company. In addition to foundation courses in chemistry and physics, students learn about the industrial environment as it relates to process operations and instrumentation.

APPLICATION PROCEDURE

A student desiring to pursue a certificate in Industrial Process Specialist must:

1. Submit the Northeast State Application for Admission to the Office of Admissions and Records.
2. Indicate Industrial Process Specialist as the desired major on the Northeast State application form.
3. See a faculty advisor from the Industrial Process Specialist program prior to registering for classes.

TYPICAL PROGRAM OF STUDY

Course No.	Course Title	Credit
<u>FALL</u>		
INTC 1010	Quality and Inspection	3
INTC 1030	Industrial Concepts	3
INTC 1041	Equipment I	2
INTC 1042	Equipment II	2
INTC 1043	Equipment III	2
<u>SPRING</u>		
ENST 1350	Industrial Safety	3
INTC 1011	Introduction to Chemical Manufacturing	1
INTC 1044	Equipment IV	1
INTC 1061	Applied Physical Science	1
INTC 1070	Basic Instrumentation	3
INTC 1210	Industrial Chemistry	1
Total Credit Hours		22

Additional courses may be required to overcome deficiencies in English and reading, or have appropriate entrance scores.

TYPICAL JOB OPPORTUNITIES

Entry-level Chemical Operator
Distribution Services Operator
Incinerator Operator
Power Operator
Wastewater Treatment Operator

INDUSTRY PARTNERS

Northeast State has worked closely with the following industry to develop the Industrial Process Specialist program and the curriculum was developed to facilitate the skills, knowledge, and attitudes necessary for success in the industrial setting of process operations.

Eastman Chemical Company

TYPICAL STARTING SALARY

Although beginning salaries may vary depending on individual company policies, the typical starting salary for industrial process assistants in the Northeast Tennessee region is between \$15 and \$20 per hour.

PROGRAM COMPETENCIES

The graduate is competent to:

1. Identify, troubleshoot, and operate processes and instrumentation commonly found in chemical process operations.
2. Make accurate and precise measurements by identifying instrumentations, terms and symbols, unit conversions, and mechanical, pneumatic, and thermal principles.
3. Demonstrate, perform, and adhere to appropriate OSHA safety standards as they apply to chemical process operations.

FOR FURTHER INFORMATION CONTACT:

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Northeast State Community College is part of the Tennessee Board of Regents system, Tennessee's largest higher education system, governing 40 post-secondary educational institutions with over 200 teaching locations. The TBR system includes 13 two-year colleges, 27 colleges of applied technology, and TN eCampus, providing programs to students across the state, country, and world.

Northeast State Community College does not discriminate on the basis of race, color, religion, creed, ethnic or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs, and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Linda W. Calvert, Vice President for Administration & Grant Development, AffAct@NortheastState.edu, P.O. Box 246, Blountville, TN 37617-0246, 423.323.0222.

Northeast State Community College's policy on nondiscrimination can be found at <https://apps.northeaststate.edu/ie/policymanual/pol.asp?p=254>.

Northeast State Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the associate degree. Northeast State also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Northeast State Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).