



NIAGARA COUNTY COMMUNITY COLLEGE

Industrial Process Technology, A.A.S.

Overview

The Industrial Process Technology program emphasizes the skills in various technological fields to prepare the student for the highly technical skills needed to function in the process manufacturing environment. The students will develop a full understanding of industrial systems to prepare them for a career in industrial manufacturing using electronics, instrumentation, robotics, mechanics, as well as hydraulics and pneumatics.

Designed for transfer into a 4-year institution.

Careers

Careers related to your program of study:

- Chemical Process Operator
- Chemical Process Technician
- Industrial Process Operator
- Industrial Process Technician
- Manufacturing Operator
- Manufacturing Technician

Some careers may require more specialized education.

Contact

Program Coordinator

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Division

Business & STEM

716-614-6410

Visit full catalog for specific course offerings for each semester:

www.niagaracc.suny.edu/programs/indu

Program Requirements

First Semester

	Credits
ENG 101 - Writing I	3
MAT 111 - Advanced Algebra & Trigonometry	4
MET 125/L - Processes w/ Lab	3
____ - Social Science Elective	3
TEC 110 - Introduction to Technical Calculations	1
TEC 250/L - Introduction to Robotics w/ Lab	2
Total Credit Hours:	16 Cr.

Second Semester

CHE 111L - General Chemistry I Lab	1
CHE 120 - General Chemistry I	4
DRF 173/L - Intro to Computer Aided Drafting Design w/ Lab	2
ELT 110/L - Principles of Electricity w/ Lab	4
____ - Health/Physical Education Elective	1
TEC 120 - Applied Engineering Mechanics	3
TEC 121L - Applied Engineering Mechanics Lab	1
Total Credit Hours:	16 Cr.

Third Semester

DRF 180 - Drafting Techniques I	3
DRF 279 - Technical Seminar	1
ENG 102 - Writing II & Introduction to Literature OR	
ENG 103 - Writing for STEM	3
MET 205 - Mechanics of Materials	3
MET 260/L - Hydraulics and Pneumatics w/ Lab	3
____ - Technical Elective	3
Total Credit Hours:	16 Cr.

Fourth Semester

DRF 283/L - Mechanical Design (CADD) w/ Lab	4
____ - Health/Physical Education Elective	1
MET 270/L - Instrumentation w/ Lab	3
PHY 152/L - Wave Motion, Heat and Light w/ Lab	4
____ - Social Science Elective	3
Total Credit Hours:	15 Cr.