Industrial Technology
(2 + 2 Program)

The objective of the Industrial Technology program is to produce a graduate with skills and knowledge needed for technical management positions in industry. Courses in Industrial Technology supplement the student’s associate degree by additional coursework in subjects not previously studied and/or more advanced courses.

Industrial Technology (IND) is a 2+2 program that provides the second two years of education leading to a Bachelor of Science Degree in Industrial Technology (BSIT). Prior to entering the program, students must have completed an Associate of Science, Associate of Applied Science or Associate of Technical Studies degree in an Engineering Technology field from a regionally accredited university, college, community college, or technical college. Industrial Technology is a comprehensive major requiring at least thirty-three (33) credit hours of 30000/40000 level coursework, a minimum of twenty-four (24) hours of Industrial Technology technical electives, and a minimum of 124 credit hours total.

BSIT graduates have found employment in industries as Manufacturing Engineers, Quality Engineering Technicians, Production Engineering Technicians, and Engineering Managers.

The student will be preparing to take the Certified Manufacturing Technologist Examination given by the Society of Manufacturing Engineers.

Degree Offered
Bachelor of Science – Industrial Technology

Learning Outcomes
The successful student will:
• have a working knowledge of business practices in industry.
• convey good people and communication skills.
• demonstrate knowledge of common practices of employer and employee relationships.

Program Admission Requirements
• Must have an approved Associate degree that can count towards the first two years of the BSIT.
• 2.0 accumulative GPA in Associates Degree

For more information

Faculty Contact: Keith Saunders
740-245-7315 or 1-800-282-7201, ext 7315
saunders@rio.edu

Admissions: 1-800-282-7201, ext 7206

URG/RGCC — www.rio.edu
Online Admissions Application — www.rio.edu/admissions

Continued
# Industrial Technology Curriculum

## Third Year

### Fall
- ACC 10503 General Accounting Fundamentals
- BM 20403 Principles of Management
- IND 37102 OSHA
- 7-9 hours of IND Technical Electives

### Spring
- IND 35202 Preventive Maintenance Planning & Scheduling
- BIO 11404 Biology or
- CHM 10404 Principles of Chemistry or
- NSC 22304 Environmental Science
- 7-11 hours of IND Technical Electives

## Fourth Year

### Fall
- ECO 11403 Intro to Microeconomics
- PHY 17505 General Physics w/Algebra I
- 3 hour 300/400 BM or MKT course
- 4-7 hours of IND Technical Electives

### Spring
- IND 45403 Certification Seminar
- PHY 32303 Statics and Strengths
- 3 hour 300/400 BM or MKT course
- 6-8 hours of IND Technical Electives

**NOTE:** A minimum of twenty-four (24) hours of IND Technical Electives are required. Courses used for securing the associate’s degree cannot be used again for the B.S.I.T.

## Industrial Technology – Technical Electives

- IND 30503 Basic Electricity/Electronics
- IND 30303 Microcomputer Hardware
- IND 31102 Blueprint Reading for Industry
- IND 31103 Programmable Controllers I
- IND 31603 Schematic Diagram Reading
- IND 31303 Introduction to Networking
- IND 31503 Basic Welding
- IND 32403 Manufacturing Processes
- IND 32203 Basic Pipe Welding IND
- IND 32303 Local Area Networks
- IND 33103 Advanced Pipe Welding
- IND 34103 Materials and Metallurgy
- IND 35103 Power Transmission Devices
- IND 34103 Materials and Metallurgy
- IND 34303 TCP/IP
- IND 35003 Industrial Controls
- IND 35202 Preventive Maintenance
- IND 36102 Hydraulics & Pneumatics
- IND 36103 Weld Testing & Inspection
- IND 35503 Mechanical Skills
- IND 37102 OSHA
- IND 38202 Machine Repair/Maintenance
- IND 40103 Advanced Welding
- IND 41203 Programmable Controllers II
- IND 41303 Computer Network Security
- IND 43303 Wireless Computer Networks
- IND 44202 Electrical Troubleshooting
- IND 44303 Network Design
- IND 45403 Certification Seminar
- IND 46102 Adv. Hydraulics & Pneumatics
- IND 47003 Robotics
- IND 48801-05 Selected Topics in IND
- IND 49001-04 Cooperative Education Experience

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