

# Industrial Systems Technology

## Diploma

IST4

### Curriculum

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#### Basic Skills

**8**

ENGL 1010 Fundamentals of English I (3)

*(Choose one)*

MATH 1011 Business Math (3)

MATH 1012 Foundations of Mathematics (3)

EMPL 1000 Interpersonal Relations and Professional Development (2)

#### Occupational Courses

**38****Required Courses:**

IDSY 1170 Industrial Mechanics (4)

IDSY 1110 Industrial Motor Controls I (4)

IDSY 1101 Circuit Analysis (3)

IDSY 1105 AC Circuit Analysis (3)

IDSY 1120 Basic Industrial PLCs (4)

IDSY 1130 Industrial Wiring (4)

IDSY 1190 Fluid Power Systems (4)

IDSY 1195 Pumps and Piping Systems (3)

**Occupational Electives: *(Choose 9 hours)***

IDFC 1011 Direct Current (3)

ELTR 1010 Direct Current Fundamentals (3)

ELTR 1020 Electrical Systems Basics I (3)

IDFC 1012 Alternating Current I (3)

IDSY 1150 DC and AC Motors

IDSY 1160 Mechanical Laws and Principles (3)

**Total Credit Hour (minimum):****46**