



**COWLEY COLLEGE  
& Area Vocational Technical School**

**COURSE PROCEDURE FOR**

**INDUSTRY PRACTICUM I  
INR3750 1Credit Hours**

**Student Level:**

This course is open to Machine Maintenance and Mechatronics students only and is utilized for practical application of competencies for maintenance personnel.

**Catalog Description:**

**INR3750 – INDUSTRY PRACTICUM I (1 hr)**

This course is designed to help the student increase their practical knowledge while pursuing a career in Machine Maintenance. The primary purpose in each practicum is increasing knowledge and practical applications required of maintenance personnel. Students taking this course will receive hands-on experience under the direct supervision of an employee in the Industry. This includes working on the live plant floor with functioning and malfunctioning machines.

**Prerequisite/Co-requisite:**

MEC 3400 Introduction to Mechatronics or Instructor approval.

**Controlling Purpose:**

This course is designed to help the student increase their practical knowledge while pursuing a career in Machine Maintenance. The primary purpose in each practicum is increasing knowledge and practical applications required of maintenance personnel. Students taking this course will receive hands-on experience under the direct supervision of an employee in the Industry. This includes working on the live plant floor with functioning and malfunctioning machines.

**Learner Outcomes:**

Upon completion of the course, the student will be able to successfully demonstrate practical applications in machine maintenance.

**Units Outcomes and Criterion Based Evaluation Key for Core Content:**

The following defines the minimum core content not including the final examination period. Instructors may add other content as time allows.

Evaluation Key:

A = All major and minor goals have been achieved and the achievement level is considerably

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- above the minimum required for doing more advanced work in the same field.
- B = All major goals have been achieved, but the student has failed to achieve some of the less important goals. However, the student has progressed to the point where the goals of work at the next level can be easily achieved.
- C = All major goals have been achieved, but many of the minor goals have not been achieved. In this grade range, the minimum level of proficiency represents a person who has achieved the major goals to the minimum amount of preparation necessary for taking more advanced work in the same field, but without any major handicap of inadequacy in his background.
- D = A few of the major goals have been achieved, but the student's achievement is so limited that he is not well prepared to work at a more advanced level in the same field.
- F = Failing, will be computed in GPA and hours attempted.
- N = No instruction or training in this area.

**UNIT 1: Machine Maintenance and Industry Application**

Outcomes: Upon completion of this unit, the student will be able to successfully demonstrate and/or describe appropriate treatment of machinery on a live production floor.

A	B	C	D	F	N	Specific Competencies
						Demonstrate the ability to:
						Apply training and awareness to company specific safety and training programs.
						Demonstrate correct use of company procedures for Lock Out Tag Out, Confined Space entry, and Working at Heights.
						Understanding workplace issues including stress, sexual harassment and substance abuse.
						Demonstrate understanding of the processes used in manufacturing.
						Communicate productions, materials requirements, product specification.
						Maintain regular quality audits, good manufacturing practices, and compliance with company requirements including DFA, OSHA, Department of Agriculture, and Department of Health.
						Monitor indicators to ensure correct operations.

## UNIT 2: Maintenance Team Assignment

Outcomes: Upon completion of this unit, the student will be able to successfully contribute to the overall successfulness of their assigned shift.

A	B	C	D	F	N	Specific Competencies
						Demonstrate the ability to:
						Demonstrate a customer service focus.
						Understanding their role in business' profitability and company goals.
						Coordinate flow and work production goals with team.
						Utilize team problem solving skills.
						Demonstrate interpersonal skills such as listening, informing, being approachable and actively working inside of a team.
						Demonstrates leadership capabilities within work groups.

### **Projects Required:**

None

### **Textbook:**

Contact Bookstore for current textbook.

### **Materials/Equipment Required:**

Safety toed shoes, uniform clothing, and tool crib supplies and equipment as needed.

### **Attendance Policy:**

Students should adhere to the attendance policy outlined by the instructor in the course syllabus.

### **Grading Policy:**

The grading policy will be outlined by the instructor in the course syllabus.

### **Maximum class size:**

Based on classroom occupancy

### **Course Timeframe:**

The U.S. Department of Education, Higher Learning Commission and the Kansas Board of Regents define credit hour and have specific regulations that the college must follow when developing, teaching and assessing the educational aspects of the college. A credit hour is an amount of work represented in intended learning

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outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work for approximately fifteen weeks for one semester hour of credit or an equivalent amount of work over a different amount of time. The number of semester hours of credit allowed for each distance education or blended hybrid courses shall be assigned by the college based on the amount of time needed to achieve the same course outcomes in a purely face-to-face format.

**Refer to the following policies:**

[402.00 Academic Code of Conduct](#)

[263.00 Student Appeal of Course Grades](#)

[403.00 Student Code of Conduct](#)

**Disability Services Program:**

Cowley College, in recognition of state and federal laws, will accommodate a student with a documented disability. If a student has a disability, which may impact work in this class which requires accommodations, contact the Disability Services Coordinator.