



**ICMT 1040 Intermediate Industrial Maintenance 1  
HYBRID COURSE SYLLABUS  
Spring Semester 2020**

**COURSE INFORMATION**

Credit Hours/Minutes: 3/3750

Class Location: Swainsboro Campus Building 6 Lab 6102

Class Meets: Monday and Wednesday 9:13AM- 10:43AM (Hybrid 40%/F2F 60%)

Course Reference Number (CRN): 40351

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Tony Criswell

Email Address: [Tony Criswell \(tcriswell@southeasterntech.edu\)](mailto:tcriswell@southeasterntech.edu)

Campus/Office Location: Swainsboro Building 6 Lab 6102

Office Hours: Monday 1:00PM- 3:30PM; Wednesday 1:00PM- 3:00PM

Phone: 478-289-2235

Fax Number: 478-289-2276

Tutoring Hours: Available upon request

**This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.**

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

**REQUIRED TEXT**

Industrial Electrical and Instrumentation Level 2, 3<sup>rd</sup> edition; ISBN 978-0-13-614390-1; Publisher- Pearson

**REQUIRED SUPPLIES & SOFTWARE**

Hand Tools

Safety Glasses

**COURSE DESCRIPTION**

This course introduces the concepts of different types of piping and wiring systems in Industrial Maintenance

**MAJOR COURSE COMPETENCIES**

Hand Bending, Tubing, Piping Systems, Instrumentation Drawings and Documentation, Conductors and Cables, and Conductor Terminations and Splices

**PREREQUISITE(S)**

None

## **COURSE OUTLINE**

1. Hand Bending
2. Tubing
3. Piping Systems
4. Instrumentation Drawings and Documentation
5. Conductors and Cables
6. Conductor Terminations and Splices

## **GENERAL EDUCATION CORE COMPETENCIES**

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## **STUDENT REQUIREMENTS**

Class attendance is a very important aspect of a student's success in this course. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is expected. Students are expected to complete all work required by the instructor. Unannounced quizzes/assignments may be given. Students that miss an unannounced quiz or assignment will receive a grade of 0. Students are expected to complete all work shown on the attached assignment sheet. Students are also expected to complete all tests and comprehensive problems on the dates specified on the attached calendar. Students are responsible for policies and procedures included in the *STC Catalog*. **Industrial Electrical Technology and Electrical Construction Technology program students must earn a minimum grade of C in this course.**

## **ATTENDANCE GUIDELINES**

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and interrupts the learning process. Southeastern technical college considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "f" (failing 0-59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

## **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: Macy Gay ([mgay@southeasterntech.edu](mailto:mgay@southeasterntech.edu)), 478-289-2274, Building 1, Room 1210

Vidalia Campus: Helen Thomas ([hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu)), 912-538-3126, Building A, Room 165

## **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

## **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Swainsboro Campus: Macy Gay ([mgay@southeasterntech.edu](mailto:mgay@southeasterntech.edu)), 478-289-2274, Building 1, Room 1210

Vidalia Campus: Helen Thomas ([hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu)), 912-538-3126, Building A, Room 165

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery MAY NOT be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

## **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which the student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

## **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)**

Extenuating circumstances are determined at the instructor's discretion. Unless otherwise scheduled with the instructor, it is expected that the test will be taken the next day, scheduled outside of regular class time. Failure to follow this procedure will result in a grade of zero.

Unannounced quizzes are subject to be given on any day. A grade of zero will be assigned for any quizzes missed. There will be no makeup of quizzes. Any zeros recorded will be included in the final score calculation.

## ACADEMIC DISHONESTY POLICY

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

## PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

### 1. First Offense

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

### 2. Second Offense

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

### 3. Third Offense

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

## STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

## **ACCESSIBILITY STATEMENT**

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

## **GRIEVANCE PROCEDURES**

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

## **ACCESS TO TECHNOLOGY**

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

## **TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT**

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

## **GRADING POLICY**

<b>Assessment/Assignment</b>	<b>Percentage</b>
Performance Evaluations	60%
Module Exams	30%
Review Questions	10%

## **GRADING SCALE**

<b>Letter Grade</b>	<b>Range</b>
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

# ICMT 1040 Intermediate Industrial Maintenance 1

## Spring Semester 2020 Lesson Plan

Date/Week	Module	Content	Assignments & Tests Due Dates	Competency Area
January 8-27	Class Introduction  Module 8	Syllabus, Outline, Lab Rules & Regulations coverage  Hand Bending	<b>In Class-</b> <ul style="list-style-type: none"> <li>• Instructor will go over syllabus, lesson plan, lab rules, how to access the hybrid portion of the class</li> <li>• Instructor will discuss Hand Bending</li> <li>• Do Performance Evaluation Module 8</li> <li>• Take the Module 8 Exam</li> </ul> <b>Hybrid-</b> <ul style="list-style-type: none"> <li>• Read Module 8 of the Industrial Electrical and Instrumentation Level 2 Trainee Guide</li> <li>• Look over Module 8 PowerPoints in Blackboard</li> <li>• Watch videos in Blackboard for Module 8 Hand Bending</li> <li>• Answer Review Questions for Module 8 in Industrial Electrical and Instrumentation Level 2 Trainee Guide and place them in the drop box in Blackboard or email them to me</li> <li>• Complete Discussion Board 1 in Blackboard</li> </ul>	
January 29-February 12	9	Tubing	<b>In Class-</b> <ul style="list-style-type: none"> <li>• Instructor will discuss Tubing</li> <li>• Do Performance Evaluation Module 9</li> <li>• Take the Module 9 Exam</li> </ul> <b>Hybrid-</b> <ul style="list-style-type: none"> <li>• Read Module 9 of the Industrial Electrical and Instrumentation Level 2 Trainee Guide</li> <li>• Look over Module 9 PowerPoints in Blackboard</li> <li>• Watch videos in Blackboard for Module 9 Tubing</li> <li>• Answer Review Questions for Module 9 in Industrial Electrical and Instrumentation Level 2 Trainee Guide and place them in the drop box in Blackboard or email them to me</li> <li>• Complete Discussion Board 2 in Blackboard</li> </ul>	2 a,b,c

Date/Week	Module	Content	Assignments & Tests Due Dates	Competency Area
February 17- March 2	10	Piping Systems	<p><b>In Class-</b></p> <ul style="list-style-type: none"> <li>• Instructor will discuss Piping Systems</li> <li>• Do Performance Evaluation Module 10</li> <li>• Take the Module 10 Exam</li> </ul> <p><b>Hybrid-</b></p> <ul style="list-style-type: none"> <li>• Read Module 10 of the Industrial Electrical and Instrumentation Level 2 Trainee Guide</li> <li>• Look over Module 10 PowerPoints in Blackboard</li> <li>• Watch videos in Blackboard for Module 10 Piping Systems</li> <li>• Answer Review Questions for Module 10 in Industrial Electrical and Instrumentation Level 2 Trainee Guide and place them in the drop box in Blackboard or email them to me</li> <li>• Complete Discussion Board 3 in Blackboard</li> </ul>	3 a,b,c
March 4- 18	11	Instrument Drawings and Documents, Part 1	<p><b>In Class-</b></p> <ul style="list-style-type: none"> <li>• Instructor will discuss Instrument Drawings and Documents, Part 1</li> <li>• Do Performance Evaluation Module 11</li> <li>• Take the Module 11 Exam</li> </ul> <p><b>Hybrid-</b></p> <ul style="list-style-type: none"> <li>• Read Module 11 of the Industrial Electrical and Instrumentation Level 2 Trainee Guide</li> <li>• Look over Module 11 PowerPoints in Blackboard</li> <li>• Watch videos in Blackboard for Module 11 Instrument Drawings and Documents, Part 1</li> <li>• Answer Review Questions for Module 11 in Industrial Electrical and Instrumentation Level 2 Trainee Guide and place them in the drop box in Blackboard or email them to me</li> <li>• Complete Discussion Board 4 in Blackboard</li> </ul>	4 a,c

Date/Week	Module	Content	Assignments & Tests Due Dates	Competency Area
March 23- April 13	12	Conductors and Cables	<b>In Class-</b> <ul style="list-style-type: none"> <li>• Instructor will discuss Conductors and Cables</li> <li>• Do Performance Evaluation Module 12</li> <li>• Take the Module 12 Exam</li> </ul> <b>Hybrid-</b> <ul style="list-style-type: none"> <li>• Read Module 12 of the Industrial Electrical and Instrumentation Level 2 Trainee Guide</li> <li>• Look over Module 12 PowerPoints in Blackboard</li> <li>• Watch videos in Blackboard for Module 12 Conductors and Cables</li> <li>• Answer Review Questions for Module 12 in Industrial Electrical and Instrumentation Level 2 Trainee Guide and place them in the drop box in Blackboard or email them to me</li> <li>• Complete Discussion Board 5 in Blackboard</li> </ul>	5 a,b,c
April 15-29	13	Conductor Termination and Splices	<b>In Class-</b> <ul style="list-style-type: none"> <li>• Instructor will discuss Conductor Termination and Splices</li> <li>• Do Performance Evaluation Module 13</li> <li>• Take the Module 13 Exam</li> </ul> <b>Hybrid-</b> <ul style="list-style-type: none"> <li>• Read Module 13 of the Industrial Electrical and Instrumentation Level 2 Trainee Guide</li> <li>• Look over Module 13 PowerPoints in Blackboard</li> <li>• Watch videos in Blackboard for Module 13 Conductor Termination and Splices</li> <li>• Answer Review Questions for Module 13 in Industrial Electrical and Instrumentation Level 2 Trainee Guide and place them in the drop box in Blackboard or email them to me</li> <li>• Complete Discussion Board 6 in Blackboard</li> </ul>	6 a,b,c

**COMPETENCY AREAS:**

1. Hand Bending
2. Tubing
3. Piping Systems
4. Instrumentation Drawings and Documentation
5. Conductors and Cables
6. Conductor Terminations and Splices

**GENERAL CORE EDUCATIONAL COMPETENCIES:**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information