

(Course Competency Verification)

## **CCTC Course: IMT 104 (Schematics)**

#### **<u>SECTION I</u>** (For the *student*)

# Please read this form completely, including Section III (Policies and Disclosure Information). Please note that a grade of 70% or higher is required for successful completion of the proficiency test.

Please complete this section of the form and give it to your teacher.

Your Name (PLEASE PRINT):		SSN:		
Mailing Address:				
City:	State:	Zip:		
Primary Phone Number:		Check One:	Landline	Mobile
High School:				
Date of (or anticipated) Graduation from High Sc	chool:		_	
<b>SECTION II</b> (For the <i>teacher</i> )				
I verify that this student has mastered the major compet IMT 104 proficiency test. ( <b>Please initial each compete</b>		refore, I recomme	end this studen	t take the
1. State the definition of a schematic and list so   2. Identify a schematic among other kinds of te   3. Explain how flow is indicated on a schemati   4. Identify electrical, fluid power, & piping schem   5. Describe a set-by-step approach to troubleshoo   6. State the meaning of symbols and lines on an e   7. Explain the difference between a fuse and a cir   8. Explain the difference in current flow between   9. Explain the purpose of a wiring diagram and   10. Identify the objects represented by the symbol   11. Explain the function/give the purpose of a va   12. Identify the symbols for various kinds of fitt   13. Explain the difference between a check valv   14. Demonstrate the ability to determine pipe siz   15. Describe a fluid-power system.   16. List & give the purpose of the main parts of   17. Explain the difference between a closed and   18. Identify the actuator in a hydraulic diagram   19. Refrigeration, water, air distribution, and con	cchnical drawings and diagram c and identify various types o natics by their symbols; give th ting when using a schematic. electrical schematic. cuit breaker and how to trace an a series circuit and a parallel ci d demonstrate how to read an ools on an industrial schematic alve in a piping system; identi- tings and describe the function e and a relief valve. ze from a diagram. the hydraulic and pneumatic an open hydraulic or pneumatic an the purpose of loca ntrol subsystems; Electric, electric	ns. of lines on schemat e purpose of legend n electrical circuit. ircuit. electrical schemati c. ify the symbols for n of each fitting. systems; identify t atic system. I areas on a hydrat ectronic, and pneur	is & other tables ic. r various types heir symbols of ulic or pneumat matic control sc	of valves. n schematics ic diagram. hematics
Teacher (or high school official) Name (PLEASE PRIM				
Signature:	I	Date:		
Name of high school/career center course(s) in wh	hich this student gained th	e required comp	etencies for p	ossible
exemption credit:				
Date of course completion, or expected completion	n:			
Comments (if applicable):				

Please contact Keith Brigman, Mechatronics Department Chair, to schedule the IMT 104 proficiency test and for questions regarding articulation for IMT 104. Phone: (803) 774-6704; Email: <u>brigmankg@cctech.edu</u>



# **SECTION III**

## Secondary School Articulation Exemption Credit Procedures & Disclosure Information

- 1. Students must contact their guidance counselor or teacher at the high school or career center or the Registrar at Central Carolina Technical College to determine whether specific secondary course work is eligible for articulation and to obtain information on requirements and procedures for requesting exemption credit.
- 2. Students requesting exemption credit must complete *Section 1* of the Secondary School Articulation Form for each course in which s/he is interested in receiving exemption credit.
- 3. The high school or career center teacher will determine if the student has mastered the major course competencies and is eligible to take the proficiency test. If so, the teacher should complete *Section 2* of the Secondary School Articulation Form for each course the student is requesting exemption credit.
- 4. The high school teacher/official must contact the CCTC program manager (at the email/phone number listed on the Secondary School Articulation Form) to schedule the proficiency test and should submit completed forms to the CCTC program manager/instructor administering the test.
- 5. The CCTC department chair/program manager/instructor must administer the proficiency test and complete a Proficiency Test Form for each student taking the test, indicating whether the student passed or failed the test.
- 6. The CCTC department chair/program manager/instructor must submit the completed Secondary School Articulation Forms, Proficiency Test Forms, and graded proficiency tests to the CCTC Registrar.
- 7. The CCTC Registrar will provide students with results of the proficiency test and instructions for obtaining exemption credit.
- 8. Students must meet all admissions requirements at CCTC and should inform the admissions counselor of pending exemption credit when being admitted to the college.
- 9. After the student is admitted to the College, Student Records will post the exemption credit as a grade of "E" on the student's official CCTC transcript. ("E" grades do not count in a student's grade point average.)
- 10. Exemption credit may apply to a required course in the articulated program or an elective course depending on whether or not the course is listed as required for a specific curriculum in the College catalog. If a student enters a program at CCTC for which the course is not required, the student may use the course as elective credit if permission is granted by the program department chair/program manager.
- 11. Students will have no more than two years following high school graduation to complete the secondary articulation procedures and request exemption credit.
- 12. A high school student who takes a proficiency test will have his/her Secondary School Articulation Form and Proficiency Test Form (indicating if the student passed) kept on file in the Student Records Office for two years following high school graduation. The graded proficiency test will remain on file in the appropriate department office or Student Records Office for two years following the test date.
- 13. Exemption credit earned at CCTC does not imply or guarantee that such credit will be honored by other institutions of higher education.
- 14. All proficiency exams will be developed, administered, and scored by Central Carolina Technical College faculty and/or staff.