

Mechatronics Technician Practical EXAM Part 1 ALPLA Learning Hub

Test Date and TIMES info:

Date: June 18-19

Time: 8am start - please arrive at least 30 min before START to check-in

Location: ALPLA Learning Hub 2300 Heinz Rd. Iowa City, IW 52240

First Name	Last Name	Company	Practical Start
Thomas	Adams	ALPLA Group	Thurs. June 18 @ 8am CT
Caleb	Chadwick	ALPLA Group	Thurs. June 18 @ 8am CT
Jacob	Carman	ALPLA Group	Thurs. June 18 @ 8am CT
Firmaye	Kebede	ALPLA Group	Thurs. June 18 @ 8am CT
Devon	Freeman	ALPLA Group	Fri. June 19 @ 8am CT
Anthony	Morales	ALPLA Group	Fri. June 19 @ 8am CT
Edoevi Ferdinand	Kokou	ALPLA Group	Fri. June 19 @ 8am CT
Frank	Phillips	ALPLA Group	Fri. June 19 @ 8am CT

Additional resources that should be brought to and used during the practical exam:

- Non-communicable, non-programmable, battery-operated calculator with trig capabilities – a basic calculator will be available in the test platform
- Blue Mechanical and Metal Trades Handbook and for Mechatronics also the Red Electrical Engineering Handbook
- A collection of formulas (one single-sided 3x5 index card of formulas that you believe might be necessary during the exam such as feeds and speeds, force...etc)
- Pen, Pencil and Drawing tools
- Part 1 Clean hard copy of your yellow preparation documentation

NO PHONES Allowed during testing.

PRACTICAL EXAM AGENDA

MT Practical Exam Part 1 (Part 1: 6.5 total hrs.) Please arrive at least 30 minutes prior to your official start time to double check your equipment is still in a ready state.

7:30 am Part 1 arrival, sign in, apprentice final check and prep of equipment
8:00 am Part 1 Drafting Instructions provided - apprentices receive the drafting assignment
~8:15am Part 1 Start of Drafting – approx. 30 min. Each apprentice will have a supplied timer. The amount of time you take to complete your drafting will be deducted from your total 6.5 hours. Start and end time must be written on your drafting. Timer must be stopped by board when you turn in your drafting. Drafting must be turned in before group instructions continue for the work assignment



- ~8:45am** **Part 1 Start instructions of Work Assignment** – entire work assignment packet distributed – possible staggered start
- ~9:00am** **Part 1 START of 6 hour (remaining time) practical task** – At any point during this time the exam board will ask you technical questions related to your project. This is part of the “technical discussion” portion of your exam. Each apprentice will keep their supplied timer in a visible spot during testing.
- ~11:30 am** **30-minute lunch break.** All must break at the same time. For the sake of time, please bring your own lunch!
- ~12:00 pm** **Resume exam** (*remember to expect to need 1-2 hours of your exam time for commissioning. Commissioning is crucial. Even if you are not able to complete the entire mechatronics assembly and get it up and running as hoped, complete a commissioning in “as is” condition with the exam board!*) Your exam time will be stopped should an Exam Board member not be available to walk through the commissioning of your system with you and you must wait.
- ~3:15pm** **Part 1 Exam end** expected end time, timers will hold official end time - Apprentices finish, clean up, unless your time was stopped due to limited exam board resources available, in that case you will have time remaining. *Once an apprentice is finished and equipment checked by the exam board, the apprentice will be instructed to return their equipment to yellow level (if it is going to be reused) removing machined and/or assembled mechanical parts for exam board inspection.* Do not leave until an Exam Board member has dismissed you. Plan to stay as late as 5:30pm.