

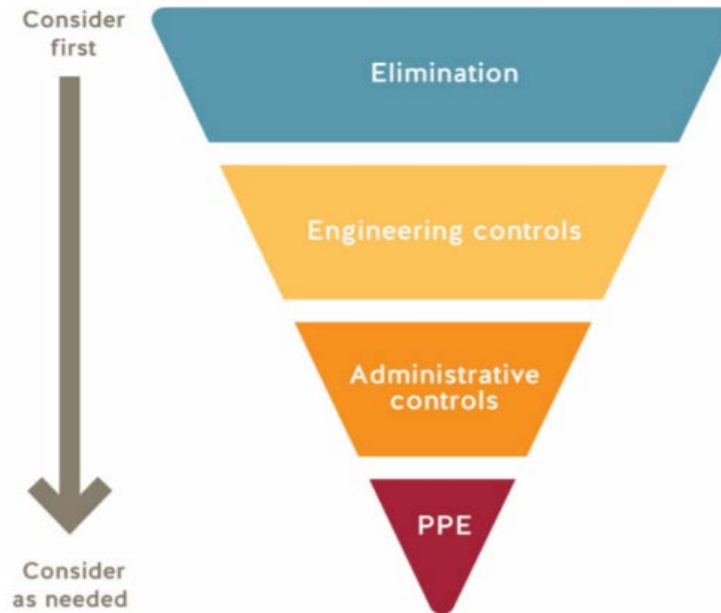


## COVID-19 SAFETY PLAN ACADEMIC SPACES

The BCIT COVID-19 Go-Forward Plan outlines the risk assessments, control measures, and the organizational process for our safe return to campus. All returning programs/courses must adhere to this process. Please refer to the [BCIT COVID-19 Go-Forward Plan](#) for additional information.

### CONTACT INFORMATION

<b>Course/Program Name:</b>	<b>Aircraft Maintenance Engineer "M" – AVAM</b>		
<b>Proportion of program offered on campus:</b>	<i>AME "M" is a 16 month program – Approximately 50% of the program is practical tasks and labs and requires students to be on campus</i>		
<b>Start date:</b>	As soon as practical	<b>End date:</b>	<b>December 31, 2021</b>
<b># of students:</b>	Up to 17	<b># of employees:</b>	<b>2</b>
<b>Completed by:</b>	Name: Steve Mullis	Position Faculty	Date 13 October 2020





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### ROOM INFORMATION

In this section, please identify all of the rooms that will be used by this returning program/course.

NOTE: Common areas are covered by the BCIT COVID-19 Go-Forward Plan.

Campus/ Building	Room Number <small>Floor Plans found <a href="#">here</a></small>	Type of Space <small>Include washrooms and breakout rooms</small>	Capacity <small>Current capacity due to COVID-19</small>
ATC	154	Shop	19
ATC	173	Washroom - Women's	2
ATC	174	Washroom - Men's	2
ATC	116	Washroom - Women's	2
ATC	115	Washroom - Men's	2
ATC	172	Break room	28

### RATIONALE FOR ON-CAMPUS ACTIVITY

Please provide a short description explaining the need for students to be on campus. Your narrative should be focused on the practical elements of the program or activity that are critical to achieving learning outcomes, and why on campus components cannot be replicated in an online or alternative environment (e.g. student bringing learning equipment home).

Student are currently on campus under a previously approved plan (RTC #100) that used physical distancing and reduced the number of students in this room to 8. At the time we had hoped this would be a short term change. With no end in sight there is a need to increase capacity in the room through the use of physical barriers that are being used in other courses and programs.

Practical learning outcomes are required by Transport Canada (accrediting body) to complete the program and achieve a grade. There are many project in the program that require students to use tools and training aids to meet the learning outcomes set by Transport Canada. Some of these projects can be performed by individuals using the training aids and a shop workspace. The more projects that can be completed will earn the student additional time towards their experience credit required before Transport Canada will issue an Aircraft Maintenance Engineer license.

### CONTROL MEASURES

#### COVID-19 SAFETY PLAN: CONTROL MEASURES CHECKLIST

##### Directions for completing a Safety Plan:

1. First step of this process is to review the [BCIT COVID-19 Go-Forward Plan](#) as the overall planning document for this process.
2. Use this checklist as a tool to assess COVID-19 control measure preparedness for students and employees and the spaces they will be using. Refer to the BCIT COVID-19 Go-Forward Plan for standardized safety guidelines and procedures.
3. For each control measure, state the details. If the control measure is a 'No' or 'NA', please provide a brief explanation.

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4. The manager requests all PPE requirements by submitting this draft Safety Plan to the [PPE@bcit.ca](mailto:PPE@bcit.ca).
5. Implement all the safety measures in this Safety Plan.
6. The manager completes a site visit to ensure all control measures and safety supplies are in place.
7. The manager signs the completed Safety Plan and submits it to [returntocampus@bcit.ca](mailto:returntocampus@bcit.ca) for approval.
8. Once approved, the COVID-19 Safety Plan is posted in all work areas identified within this plan.


*Note: The workspaces cannot be used until all applicable control measures are in place and Safety Plan is approved. For additional resources the [Risk Assessment Controls Guidance and Hierarchy of Controls](#). For assistance email [ssemohs@bcit.ca](mailto:ssemohs@bcit.ca).*

#	Control Measure	Yes	No	NA	Details (as per Directions)
<b>ELIMINATION</b>					
1.	Room(s) set up to allow for 2 metres physical distancing during instruction and practice. <b>Note:</b> Contact <a href="mailto:returntocampus@bcit.ca">returntocampus@bcit.ca</a> for room capacity and layout if needed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Exceptions allowed as per <a href="#">BCIT COVID-19 Go-Forward Plan</a>, Risk Matrix Summary (explain):</i> Barriers will be used to provide a physical separation of the students at individual workstations. The layout allows for the instructor to have physical distancing from the student during any instruction. There is limited instruction during the projects.(please see the room layout)
2.	Demonstration, work and assessment stations are set-up to allow for 2 metres physical distancing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Exception allowed as per <a href="#">BCIT COVID-19 Go-Forward Plan</a>, Risk Matrix Summary (explain):</i> Demonstrations will be conducted in the centre of the room with the students at their workstations. Hands will be sanitized before and after touching any training aid/shared equipment. Assessments done during the assignment will require students to wait in designated area. Work areas will be 2 metres from any walkways or physically separated by a barrier.
3.	Identified area(s) where students wait outside of teaching space until allowed inside by instructor.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	“Wait here” stickers have been placed on the ground at 2 metre intervals along the south wall of the west corridor adjoining room 100
4.	Work has been scheduled to minimize numbers of individuals on campus at one time.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Total number of students for this task will not exceed 17. A schedule is available on ATC ShareSpace to ensure capacity is not exceeded. Schedule to be maintained by Department Head with submission from faculty.
5.	In shared spaces, safety protocols have been put in place to reduce close contact between users.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	One and two way walk way signs are posted, please refer to ATC campus floor plan.
6.	Movement within the room is identified, such as with directional arrows, for walkways and entrances/exits.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Arrows have been placed on the floor to indicate direction of traffic. Work areas have been demarcated by tape.

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#	Control Measure	Yes	No	NA	Details (as per Directions)
7.	Water fountains are put out of service, and only touchless water bottle filling station available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All water fountains have been placed out of service.
8.	Mobile fans have been removed or put out of service.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No fans in room.
9.	Washrooms have been identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, Washroom occupancy limit: 2
10.	Break area(s) for student use have been identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Room 172 will be used to accommodate a 20 minute nutrition break approximately half way through the session. Students will be physically distanced. Surfaces will be sanitized before and after use by a Facilities request completed by the instructor. Occupancy Limit: 28 Sign is posted: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
11.	Break areas for employee use have been identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Breaks to be conducted after class. Occupancy Limit: 8. Sign is posted: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
12.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>ENGINEERING CONTROL MEASURES</b>					
13.	<a href="#">Barriers</a> are implemented to separate work areas or walk ways, when physical distancing not practical.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Barriers to be placed in between work area and walkway. 19 units of 6x8 barriers will be required.
14.	Barriers are stable and do not introduce other safety hazards, e.g. tripping.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same barriers used throughout campus. Barriers pose no trip hazard and do not interfere with safe travel within the room.
15.	The impact on ventilation requirements have been considered if there's been a significant use change for the instructional space.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>Complete a <a href="#">Facilities and Campus Development work requisition</a> for assessment, as needed. *Not considered due to no changes of the instructional space, air circulation is sufficient in such a large space.</i>
16.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>SIGNAGE (ADMINISTRATIVE) <i>Signage is available @ <a href="#">BCIT online Inventory</a>. Guidelines for posting signs are available on <a href="#">ShareSpace</a>.</i></b>					
17.	Posted: Physical distancing (2 m) sign(s) Item 1A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage from BCIT inventory used.
18.	Posted: Hand washing sign(s) Item 29B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage from BCIT inventory used.
19.	Posted: Health screen sign(s) Item 3C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage from BCIT inventory used.
20.	Posted: Hand washing sink location sign(s) Item 14A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 Handwashing sinks located in washrooms on west and south wing of building. 2 Handwashing sinks located in hangar (155) immediately outside west exit of room
21.	Posted: Hand sanitizing station location sign(s) Item 13A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage from BCIT inventory used at entrance to building and within the work area.
22.	Posted: Protect yourself sign(s) Item 21A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage from BCIT inventory used.
23.	Posted: Occupancy limit of this room sign(s) Item 37A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage provided by WSBC
24.	Posted: Other signs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Please list:

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#	Control Measure	Yes	No	NA	Details (as per Directions)
<b>ORIENTATION AND TRAINING (ADMINISTRATIVE)</b>					
25.	Routine safety discussions held to review control measures and safety protocols.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily reminders to be reviewed prior to start of each session.
26.	All students have completed the online <a href="#">COVID-19 Pandemic On-Campus Guidelines</a> training.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>How will compliance be checked:</i> Program Assistants will be tracking. Students will provide proof of completion prior to coming to campus.
27.	COVID-19 safety Site orientation for students has been developed and posted in the Learning Hub.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Procedure for orientation found <a href="#">here</a>. Student COVID-19 Orientation Checklist found <a href="#">here</a>. When completed, checklist to be posted on wall of hub.</i>
28.	All employees have completed the online <a href="#">BCIT Pandemic Exposure Control Plan Training</a> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29.	All employees have completed the online <a href="#">New Employee Orientation module</a> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>New and Returning Employee Orientation Checklist found <a href="#">here</a>. Each employee to save the checklist to their online New Employee Orientation course</i>
30.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>RULES AND GUIDELINES (ADMINISTRATIVE)</b>					
31.	All unnecessary and self-serve items have been removed from the spaces. <i>e.g., pens, paper, etc.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All supplies asked for prior to class and stocked at each workspace
32.	Doors that students are to use to enter and exit have been clearly identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signs or arrows on the floor and doorways

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#	Control Measure	Yes	No	NA	Details (as per Directions)
33.	Handouts, papers, and items are not physically provided to students.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>If items are provided, they are cleaned between student use or disposed, or other control measures are in place – Describe:</i> Instructors hands to be sanitized prior to touching handouts that will be delivered to students. When possible, handouts will be posted virtually on D2L in the contents section which can be filled out online as well. Handouts that are to be handed in will be dropped off at the appropriate drop box location in room 154 and will not be handled for 72 hours. Manufacturers maintenance manuals are available through the BCIT library webpage and can easily be accessed with the students’ personal device eliminating the need to print these documents.
34.	Students have dedicated tools/equipment, e.g., items are not shared between students.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Training aid/equipment/tools to be used will be setup prior to first group of students arrival, each cohort will have their own set of tools. Hands to be sanitized before and after touching shared training aid/equipment/tools. Procedure has been developed on the cleaning of tools.
35.	If cleaning common touch points or tools/equipment not practical, then it is identified when hands are washed/sanitized before and after use.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Explain: See item #34
36.	Work spaces/stations are dedicated for an individual or group use and not shared with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Each training aid will be dedicated to an individual for the duration of the project
37.	Single-use (disposable) products are used where feasible.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Single use non-medical nitrile gloves will be used when required for cleaning equipment and/or tools.
38.	Measures are in place to accommodate student sick at home.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accommodation plan: Lowered TC eligibility hours or an opportunity to do the missed practical at a later date.
39.	Procedures in place to screen students on a daily basis.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The <a href="#">health screen</a> poster is available for reference and is posted on building doors. Students and employees are expected to self assess daily, and the <a href="#">BCCDC self-assessment</a> tool can be used to support this.
40.	There is a procedure in place if a student or employee becomes ill on campus.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to the <a href="#">COVID-19 Pandemic Scenario Playbook</a> for more information. If the person is reporting symptoms, ask them to avoid others and return home. If they require immediate medical attention, call First Aid and 911.
41.	There are procedures in place if a student or employee travels before coming to campus, or has been in close contact with someone who has tested positive for COVID-19.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to the <a href="#">COVID-19 Pandemic Scenario Playbook</a> for more information. Confirm if the person is aware of self-isolation <a href="#">requirements</a> and <a href="#">protocols</a> .
42.	Provisions made for students to maintain same lab/class cohort throughout the Term.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Communicate with students to remind and confirm group/class cohort. Students will be divided into groups of four or less for the duration of the term.
43.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE). Refer to the <a href="#">PPE Flowchart</a> to determine what PPE is required for COVID-19 purposes.</b>					

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#	Control Measure	Yes	No	NA	Details (as per Directions)
44.	Appropriate PPE for the hazards of employee and student tasks are available to be provided (non-COVID-19 related ppe).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coveralls, safety boots and safety glasses are the only required PPE for students. Students provide their own PPE. Instructor assigned a personnel set of smocks.
45.	Training is provided for the above PPE to students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Students are trained when and how to use safety goggles.
46.	<a href="#">Appropriate PPE for COVID-19</a> is available to be provided to students and employees. Supply requests emailed to <a href="mailto:ppe@bcit.ca">ppe@bcit.ca</a> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Based on circumstances allowed for in the <a href="#">BCIT COVID-19 Go-Forward Plan</a> , Risk Assessment Matrix Summary. List PPE and tasks/activities required for and provide the quantity and unit of measure, if applicable (e.g. 2 boxes of 20 each box): 2 boxes medium gloves qty.100/box 2 boxes large gloves qty.100/box 1 box small gloves qty.100/box 2 boxes disposable face mask. Qty. 50/box 100 face shield – to be retained by students for subsequent courses. 34 required every 8 weeks
47.	PPE safe <a href="#">donning, doffing, disposal, and disinfecting instructional</a> materials are available for students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Post applicable signs in a visible location if ppe required. Use the <a href="#">Student Orientation checklist</a> to assist orientation/training by instructors. Use the <a href="#">Employee Orientation checklist</a> to assist orientation/training by their supervisors.</i>
48.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>CLEANING</b>					
49.	Facilities is aware of the cleaning needs for the area. Facilities work requests have been submitted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Cleaning includes common touch points and appropriate frequency for the area. This includes high touch areas. Provide FCD work request number(s).</i>
50.	Training will be provided to faculty and students performing cleaning duties and cleaning materials have been provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Cleaning Standard Operating Procedures have been located <a href="#">here</a>. What are the cleaning products/materials: Spray Nine What ppe is required: Single use non-medical nitrile gloves and safety glasses</i>
51.	Assessment of sufficient number of hand wash stations conducted, and an appropriate number of handwashing stations are available	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Consider time it will take for hand washing to take place, to determine what is e.a. sufficient number of hand wash stations. Some areas find a ratio of 8:1, students to sink, effective. The minimum amount of hand washing required is once before class starts, after class ends. 2 stations located in washrooms on west and south wing.</i>
52.	Handwashing station(s), stocked, easily accessed, and have been identified to students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sink Location: West and South wings of the campus. East end of hangar Stocked with soap Y <input checked="" type="checkbox"/> N <input type="checkbox"/> paper towel Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

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#	Control Measure	Yes	No	NA	Details (as per Directions)
53.	Hand sanitizing station(s), stocked, and have been identified to students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>ABHS (Alcohol-Based Hand Sanitizer): Location(s): At entrance to campus, Entrance and exit of room 154 Will hand sanitizer be refilled by department: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> If No, describe:</i>
54.	All Safety Data Sheets (SDS) and cleaning procedures used are found <a href="#">here</a> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>If not, describe:</i>
55.	The area(s) have been decluttered so that cleaning is simplified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Room has been declutter prior to approval of RTC #100
56.	Barrier cleaning process has been arranged if the barrier(s) could become contaminated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Barriers can become contaminate if they are a touch point or if they are contaminated with droplets by e.g. coughing or sneezing. Students will clean barriers at the end of the project. Approximately every week.</i>
57.	Common touch points and tools/equipment that must be shared are identified and cleaned between students and classes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Cleaning/sanitizing procedures for common touch points and shared items are posted e.g. shared machinery, equipment, tools, etc. Identify who will clean and how often (e.g. staff and/or students): Instructor will carry out cleaning of tooling and equipment used during the day.</i>
58.	Storage space for personal articles have been identified and are cleaned regularly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Who will clean: Students will clean workbench at the end of the project. Approximately every five days. Where is the storage: Storage area is available for each student below their s workbench.</i>
59.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>AUDIT AND CONTINUOUS IMPROVEMENT</b>					
60.	There is a plan to conduct <a href="#">regular inspections</a> of all control measures and safety protocols to ensure they are in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Ensure this COVID-19 Safety Plan is posted. Who will conduct these inspections and how often? Associate Dean will inspect every day in the first month and after 2 times a week</i>
61.	<a href="#">Audits of inspections</a> are planned to ensure that control measures continue to be effective.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Who conduct the audits and how often? JOH&amp;S committee will audit monthly</i>







## COVID-19 SAFETY PLAN ACADEMIC SPACES

### ATC-154

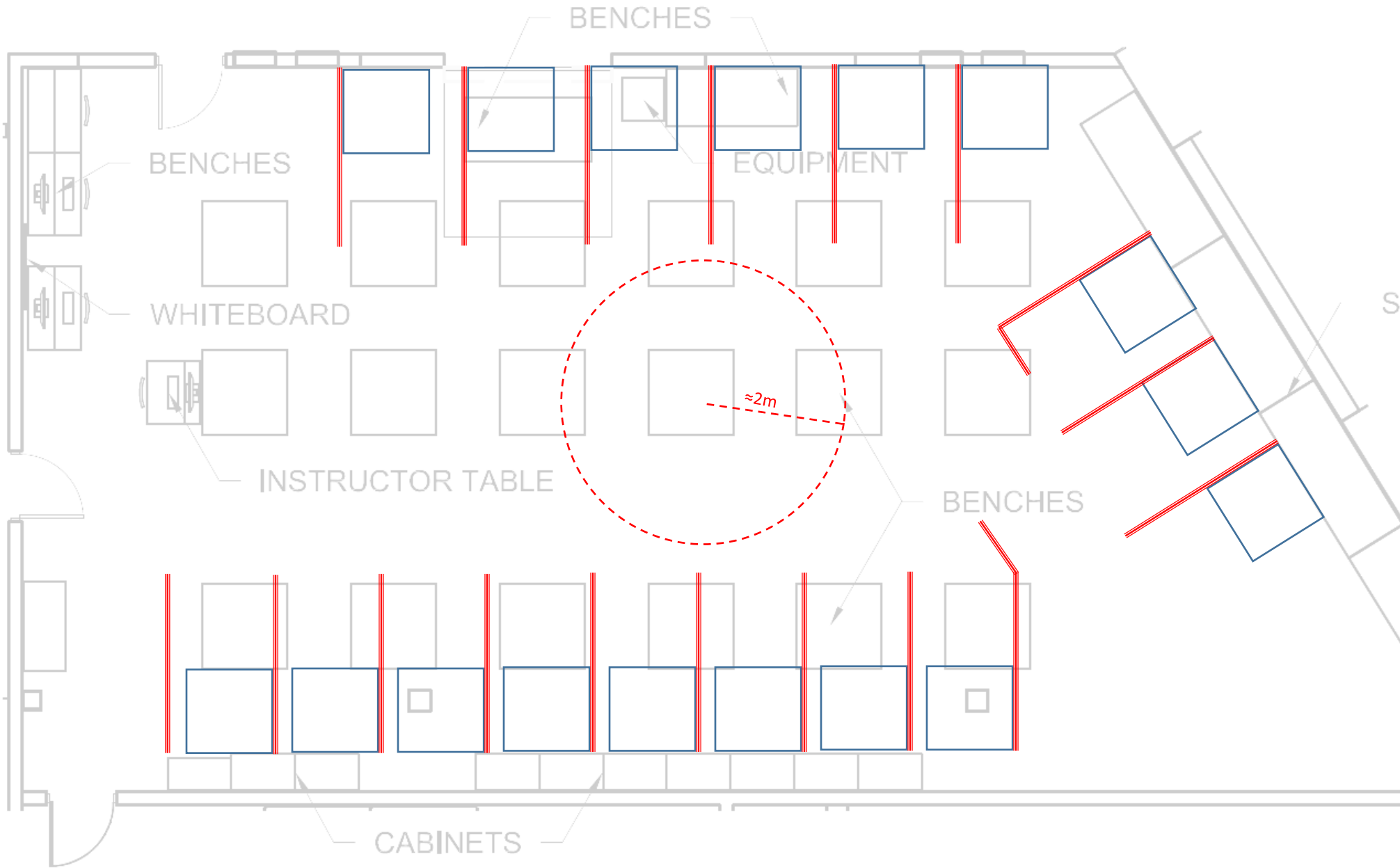
Notes: This lab can accommodate 17 physically distanced stations, provided that barriers are installed in noted areas.

#### Legend:

 Barrier

 ≈2m

# COVID-19 SAFETY PLAN ACADEMIC SPACES





## COVID-19 SAFETY PLAN ACADEMIC SPACES

### APPROVAL

All COVID-19 risk control measures for this campus activity are in place.			
Manager	Name Sanja Boskovic	Position Associate Dean	Date October 21, 2020
EOC	Name <i>Glen Magel</i>	Position EOC Director	Date October 28, 2020