

ARH Facilities Information

Spring 2021 Semester.

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If you are interested in utilizing any of these options extensively please contact ARH Shop & Rapid Prototyping Lab Manager, Gena Whitman, at gwhitman@academyart.edu to discuss the scope of your project.

1. GENERAL RESERVATION & BUILDING INFORMATION

1849 Washington (“The Warehouse”) will be open 5 days per week: Tues -Sat.

Reservations *are required* for any person needing to enter the building.

For studio & shop access, reservations must be made at least 12 hours in advance of the intended building entry time. No eating or drinking is allowed in the facility and all persons working in building must follow the COVID guidelines listed on the reservations page at all times. Due to COVID, no lockers or personal item storage is available to students at this time. Short-term shelf storage is available for in-progress models in the model shop, and students with dedicated studio desks may leave in-progress models on their desktop.

Building, shop, and studio access at 1849 Washington is subject to change.

For the most up to date information about hours, entry requirements, and closures, visit the facilities landing page available here:

Shop Facilities Landing Page: <https://my.academyart.edu/students/facilities>

2. RESERVATION TYPES:

The following reservation types are available at the 1849 Washington facility. To make a reservation go to <https://my.academyart.edu/students/facilities> and click on the ‘Reservation’ button. If you are logging in for the first time will be prompted to create a new password.

- **DEDICATED STUDIO RESERVATIONS**

FEE TITLE: ‘DEDICATED STUDIO ACCESS’; FEE AMOUNT: \$25 FOR THE SEMESTER

***Students enrolled in ARH 110 & 150 have already paid the ‘DEDICATED STUDIO ACCESS FEE’ as part of their course fees and do not need to pay this fee again. Students should contact their advisor if they wish to opt-out of this enrollment.**

Students wishing to work onsite for the semester should speak to their advisor about reserving a dedicated studio desk.

Students will be offered a dedicated desk at 1849 Washington for their personal use throughout the semester and will be required to reserve access through the online reservation system. Students reserving these desks can leave models & non-hazardous materials on their desk-top overnight. Storing materials outside their immediate desk area will not be permitted.

- **OPEN STUDIO RESERVATIONS**

FEE TITLE: -- ; FEE AMOUNT: NONE

Students who need single day access to a studio desk without paying additional fees may reserve an 'Open Studio' desk through the reservation system. Students must make an 'Open Studio Reservation' through the facilities website at least 12-hours in advance of the time they would like to attend. Students reserving these desks cannot leave any items at 1849 Washington, including models and materials and must plan accordingly.

- **SHOP RESERVATIONS**

FEE: 'STAND-ALONE SHOP ACCESS'; FEE AMOUNT: \$125 FOR THE SEMESTER*

***Students enrolled in ARH 110 & 150 have already paid the 'SHOP ACCESS FEE' as part of their course fees and do not need to pay this fee again. Students should contact their advisor if they wish to opt-out of this fee.**

Students who need access to shop equipment and workspace during the semester should speak to their advisor about paying the 'Stand-alone Shop Access Fee', to gain access to the woodshop, metal shop, and spray booth at 1849 Washington. Architecture students will have access to hand tools and machinery; including hand tools, stationary woodshop equipment such as table saws and planers, metal shop equipment such as welders and grinders. This fee DOES NOT cover access to 3D Printers or Laser Cutters. Please see the section 4 on the Rapid Prototyping Labs for more information.

Orientations will be required for first-time shop users who pay the stand-alone shop access fee and intend to use the facilities. All new students who have not previously attended a shop orientation at AAU will need to read the [Basic Shop Proficiency Guide](#) and complete two documents: the [Academic Policies Agreement](#) and the [Basic Shop Proficiency Quiz](#) before working in the shop.

Both documents are also available here on the ARH Blog:

<https://architecture.academyart.edu/portfolio-item/shop-orientation-and-safety/>

Students who wish to use the metal shop and spray booth facilities may need additional training and should contact the ARH or IND Shop Manager for details. Shop Technicians will be available for questions and continued training when the student chooses to work onsite.

- **Tool Crib PICK-UP and DROP-OFF Reservations.**

FEE TITLE: -- ; FEE AMOUNT: NONE

Short 30-minute pick-up and drop-off reservations are available at 1849 Washington for students who need to pick-up 3D prints or Laser cuts that have been submitted remotely, purchased materials, or course supplies. Students who make this type of reservation should come to the building at the appointed time of reservation and ask the campus host for directions to the shop on the third floor. This reservation type does not grant the student the ability to work in the building, but they make an open studio reservation if they choose.

3. ONSITE MATERIALS PURCHASING

As part of our onsite facilities access for students at 1849 Washington, we are working with the Industrial Design Department (IND) to stock materials for student purchase. These materials serve both students working onsite and students who order remote 3D Prints and Laser Cuts through our Rapid Prototyping Facilities.

In order to ensure that the materials are available and in stock for your students when they need them, please let the ARH Shop Manager know the scope of any large projects you are planning to assign during the semester. **This includes large site models or layered topography models assigned to individual students.**

Here is a list of the materials that will be available for purchase for the Spring 2021 Semester:

- 3/16" Cardboard (20 X 30") (Laser Cutting Only)
- 1/16" Chipboard (~30 X 40") (Laser Cutting Only)
- 1/32" Chipboard (~30 X 40") (Laser Cutting Only)
- 1/8" Acrylic (sizes up to 12" X 24")
- 1/8", 1/4", 1/2", 3/4" Birch Plywood (sizes up to 60"x60")*
- 1/2" & 3/4" MDF (sizes up to 48"x96")*
- 2" Blue Insulation Foam (Various Sizes)

*Contact shop manager if quantities greater than 2 sheets are needed as a limited supply of these materials are kept in stock.

4. Rapid Prototyping Lab: Remote 3D Printing and Laser Cutting.

For students who would like to incorporate 3D prints and laser cuts into their projects, the rapid prototyping labs have been setup to accommodate remote submissions. Students who are interested should read this guide and submit files to the appropriate e-mail address listed within it.

Upon submission, their file will be reviewed individually by a technician for errors and returned for revision or processed for printing. The student is then responsible for picking up their print using a 'toolcrib reservation' or paying for shipping to a location of their choice within the continental united states.

Since processing of these files are on a first come, first serve basis please encourage students to submit their files at least a few weeks before their project deadline to account for print time, processing time, shipping time (if needed), and unforeseen delays.

The submission guide & other detailed information about rapid prototyping services can be found on the blog here:

<https://architecture.academyart.edu/portfolio-item/remote-laser-cutting-3d-printing/>