

# ARH Facilities Information

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## 1. Overview

The ARH facilities will be in 1849 Washington St (the Warehouse). Shop Technicians will be available during building hours to support students. The technicians are very knowledgeable about best practices. They are ready to assist students to help them achieve the highest quality work. To learn how to make your model in the most time-efficient way while maintaining the highest level of craftsmanship, please discuss your project with the Shop Technicians.

- All persons working in the building must follow the current COVID guidelines listed on the reservations page at this link <https://my.academyart.edu/students/facilities>
- 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.
- Students with dedicated studio desks may leave in-progress models on their desks.
- Building hours are subject to change. For up-to-date information on hours, entry requirements, and closures, please visit the facilities landing page at this link: <https://my.academyart.edu/students/facilities>
- For help with reservations, please contact [webcheckouthelp@academyart.edu](mailto:webcheckouthelp@academyart.edu)

## 2. Reservation Types

The following reservation types are available at 1849 Washington. 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.

## **Open Studio Reservations**

Fee: No fee

Fee Title: Open Studio Reservation

Students who need single-day access to a studio desk can reserve an Open Studio desk through the reservation system. Students must make an Open Studio Reservation through the facilities website. Students reserving these desks cannot leave any items at 1849 Washington, including models and materials, and must plan accordingly.

## **Dedicated Studio Reservations**

Fee: \$25 for the semester (except for students in onsite sections)

Fee Title: Dedicated Studio Access

Students enrolled in onsite sections of ARH studio courses have already paid for the dedicated studio desks as part of their course fees and do not need to pay this fee again.

Students enrolled in virtual sections do not pay course fees for the usage of the facility. Students in virtual sections can opt in to use the shop and/or the studio desk by paying a fee.

Reserving a Dedicated Studio Desk will allow students to work at the same desk for the duration of the semester. Students reserving these desks can leave models & non-hazardous materials on their desks overnight. Storing materials outside their immediate desk area is not permitted.

## **Shop Access & Orientation**

Fee: \$125 for the semester (except for students in onsite sections)

Fee Title: Stand-Alone Shop Access

Students enrolled in onsite sections of ARH studio courses have already paid for shop access as part of their course fees and do not need to pay this fee again.

Students enrolled in virtual sections do not pay course fees for the usage of the facility. Students in virtual sections can opt in to use the shop and/or the studio desk by paying a fee.

The 1849 Washington shop access fee includes:

1. Wood Shop with hand tools and stationary equipment such as table saws and planers
2. Metal Shop with equipment such as welders and grinders
3. Spray Booth

This fee DOES NOT include the cost to use Laser Cutters and 3D Printers. Please see the Rapid Prototyping Labs section in this document for more information.

Orientations will be required for first-time shop users. All new students who have not previously attended a shop orientation at AAU will need to, before working in the shop, read the Basic Shop Proficiency Guide and complete two documents: the Academic Policies Agreement and the Basic Shop Proficiency Quiz. Both documents are available on the ARH Blog at this link:

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

Students who wish to use the Metal Shop and the Spray Booth need additional orientations which will be offered by Shop Technicians. The highly knowledgeable technicians are available for questions and continued training for as long as the student chooses to work onsite.

### **Toolcrib Pick-up and Drop-off**

No fee

30-minute pick-up and drop-off reservations are available at 1849 Washington for students who need to pick-up 3D prints, Laser Cuts, purchased materials, or other course supplies. Students should come to the building and ask the campus host for directions to the shop. This reservation type does not grant the student space to work in the building.

### **3. Shop Store: Materials Available for Purchase**

The shop stocks commonly used materials for students to purchase. Onsite studio students can apply a credit of \$25 towards purchases. This materials fee credit is included in onsite studio course fees. Once the credit is depleted, students can purchase materials.

Virtual or online section students ordering remote Laser Cuts or 3D Prints through the Rapid Prototyping Lab can pay for the materials as part of the fee.

Here is a list of materials that will be available for purchase in the shop:

- 3/16" Brown Corrugated 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)

\*MDF and Plywood: Contact the Shop Technicians if quantities greater than 2 sheets are needed as a limited supply of these materials are kept in stock.

To ensure a steady supply of materials in the shop store, please let the Shop Technicians know in advance the scope of any large projects you are planning for the semester. This includes large site models or layered topography models.

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

For remote students who would like to incorporate 3D printed and laser-cut pieces into their models, the Rapid Prototyping Lab can accommodate remote submissions. Students can

submit files via email and the processed pieces will be mailed back to them.

Upon submission, the files will be reviewed by a technician for errors and returned for revision if needed or processed for printing. The student is 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 the Rapid Prototyping Lab operates on a first come first serve basis, please submit files at least a few weeks before the project deadline to account for print time, processing time, shipping time (if needed), and unforeseen delays.

There is a separate cost to use the Remote Prototyping Lab. The cost is calculated per minute of machine run time.

The submission guide & cost information can be found on the ARH blog at this link:

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