RIT | MAGIC Spell Studios

□ ACCESS AND POLICY: MAGIC Motion Capture Lab (MSS-3152)

Andrew Sevigny - 2026-06-22 - Facility Access and Policies

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Room Capacity: 6 Users
Maximum Reservation Duration: Flexible. See access requirements below.

The MAGIC Motion Capture Lab is a resource available to those working on film, animation, games, or MAGIC affiliated projects and research in motion capture and tracking (with required faculty or MAGIC sponsor for requestiong users).

The default room setup is designed to support animation workflows, markered and markerless capture, and also serves as a testing environment for the MAGIC stairwell projection art. The lab consists of one lab workstation as well as:

Hardware

10-camera Vicon system (marker-based)
(1) Perception Neuron (IMU-based)
(1) XBox One Kinect
(3) Azure Kinect
(1) Dell Projector (ceiling-mounted)
(1) ZED 2 camera
(1) Rokoko Headcam

Note: For Vicon marker-based capture, RGB video overlay can be added. Users must check out a compatible video camera from the Cage; coordinate with MAGIC staff in advance.

Note: Simultaneous real time facial capture via Unreal Metahuman + iPhone (Live Link Face) is supported; an iPhone must be checked out from MAGIC.

Software

Vicon Shogun Live

Vicon Shogun Post

Unreal Engine

Pixera Media Server

Touch Designer (Non-Commercial)

Autodesk Maya

Blender 4.

The equipment in this lab is extremely fragile and precise. Any tampering with the base setup will result in loss of access and violators will be billed for damages.

Training & Access Overview

All users of the Motion Capture lab must complete an in-person group training session (or affiliated class trainign session) to gain access to reserve and use the space. Group trainings are provided at designated times.

1. First, request access to the lab using the form link below and select a preferred group training session.
2. You will be added to a MyCourses shell for the lab to review materials and complate an intake quiz. **You must score above 85% on the intake quiz to be considered for group training.**
3. Once you've completed the intake quiz, you will be added to and confirmed for one of the group training sessions.
4. Once you complete the group training session, you will be added to the access list for the lab and will be able to request access through **reserve.rit.edu.**

Sign Up for Training & Access

Submit a request for trainign and access using this form: MAGIC Motion Capture Lab Access Request Form (Fall 2026)



Group training sessions will be provided at the following times during the fall 2026 semester:

Session 1	Session 2	Session 3
(TBD - Week 5)	(TBD - Week 6)	(TBD - Week 7)

Important Access Policies (Please Read)

Access to the Motion Capture Lab is a privilege. We extend you our trust when we grant you access to this space. Any abuse or neglect of policies, procedures, or equipment will result in removal of access to the space. Propping doors or providing access to those who do not have approval to be in the

facility will result in loss of access.

1. All users of the MAGIC Motion Capture Lab must have an RIT faculty or staff sponsor.

2. Student names and RIT UIDs must be provided in order for MAGIC to grant access to the space. Members must also report any users who will be in the space (i.e. talent, support, etc) even if they are not trained to operate the system. **Only trained individuals are allowed to operate the motion capture system. A trained individual must be present in the lab at all times.** Due to facility constraints, MAGIC may limit the number of users per project who are granted access to the space.

3. **All MAGIC facilities are reserved through the RIT Event Management System (EMS) at reserve.rit.edu.** Because reservation approval is a manual process, **we encourage all reservations to be submitted at least 48 hours in advance**. Reservation requests submitted over a weekend will not be reviewed until the following business day.

4. **Submitting a reservation does not guarantee approval and/or access.** A MAGIC staff member may reach out to you regarding your reservation for more information if necessary. **Your access and reservation are not finalized until you receive a reservation approval confirmation receipt from EMS.** If you have not received this confirmation receipt, your reservation is still pending approval and you will not have access to the space.

5. **Facilities access will be granted to your RIT UID for the exact times and duration of your** reservation (unless otherwise notified). This means if you submit a reservation for 4pm, you will not be able to access the facility at 3:59pm. Please take this into consideration when selecting the times for your reservation.

6. Remember, many of MAGIC's facilities are booked back-to-back, so please be sure to vacate the space before the end of your reserved time slot, and return the facility back to its original conditions. Students are financially responsible for any facility or equipment damage during their reservation period.