IGM Labs and Tech Resources

Open Lab Hours

Lab Hours / Room Changes

Work on assignments with required curricular software The IGM Open Labs provide time seven days a week for students to:

1. Receive tutoring support on IGM classes they have questions on.
2. Bond with other students who have similar interests.

To see the Lab Announcements, lab hours, tutors etc.....please click here.

Tutors

Everyone struggles with assignments and understanding concepts from courses. Instructors are available for assistance, but additional support is provided for IGM students in the form of tutors.

The IGM Department provides both graduate and undergraduate students for tutoring support in the labs. They are located in GOL-2000 (open lab) or GOL-2350 (Quiet Lab) for your questions and assistance in IGM classes.

Current Tutoring Schedule

Lab Hardware/Software

We are often asked about the hardware and software that is available in the labs. We use many different software packages (both open source and paid), and have listed the major software packages available for all IGM student use in the labs.
Reminder: ALL IGM Students have access to the Microsoft Dreamspark (MSDNAA) program for free personal use of Microsoft Operating Systems and software. (Note, Microsoft Office is not available).
Resources
We currently have 300+ computers in our labs for student and curricular use. Additionally, we have an audio lab dedicated to allowing students to record audio for their projects and curriculum.
Hardware
The lab PCs have the following minimum specifications and are purchased from Dell and Velocity Micro

| CPU | Intel I7 – 940 2.8Ghz to Intel I7 – Haswell 3.7GHz |

Memory	6GB DDR3 to 16GB DDR4
Hard Drive	1TB SATA – 500GB SSD
Video	NVidia GTX 480 to Nvidia GTX 970
Monitors	Dual 22" Widescreen

Software

This is a partial list of the software available to students for use in the IGM labs.

Software

3DS Max

Ableton Live

Adobe Creative Suite

Autodesk (Maya, Sketchbook Pro, Mudbox)

Arduino

ASP.NET MVC

Audacity

EAGLE Layout Editor

Eclipse

FRAPS

FreeGLUT

JDK+ Netbeans

Jgrasp

Lua

MonoDevelop and Monogame

Office 2016

Processing

Python

SQL Server Compact and Management Studio

Unity 3D Pro & Development

Visual Studio Ultimate

Downloadable Software

All IGM students taking courses with our department have access to the Microsoft Dreamspark (formerly known as MSDNAA). This allows IGM students free Microsoft Operating Systems and software for use on their personal devices. Office365 is available for current RIT students and more information is available here.

You may access Microsoft Dreamspark by entering your RIT Account Name and password if you are a currently enrolled IGM student.

If you are an alumni or not enrolled in classes, you will not be able to access Dreamspark or Office365.

Note: Many other departments on the RIT campus also subscribe to the Microsoft Dreamspark program. Please contact your home department if you are not enrolled in an IGM degree program to determine if they have this subscription for you. Otherwise, if you have any issues, please contact igm-tech@rit.edu

Lab Student Employment

Want to work for the IGM department as a Teaching Assistant, Grader or Lab Worker? Here's what you need to know:

Teaching Assistant \ Grader

We use Teaching Assistants (TA) and Graders to assist faculty with large class sizes to ensure students receive the attention and time they need. Faculty are not guaranteed a Teaching Assistant or Grader for each course offered in the semester as it is determined by various factors through the department and chair.

If you are interested in being a Teaching Assistant or Grader, you may speak with the individual faculty assigned to the next semester course to express your interest. All faculty who are approved a TA or Grader for their course by the chair, select the students they would like to assist them in the approved class

Note: Teaching Assistant and Grader positions are on a semester basis only and no guarantee is made by the department on continued employment.

Recommendation? If you are taking a class currently and will receive an A or B in it. Have the drive to assist your fellow students with learning (without giving them the answers or doing it for them), then speak with your current professor about being their TA in the future. If they are interested, they will either speak with you more about it, or may recommend you to another professor that they know is in need of assistance.

Lab Worker

Description of duties:

Our lab workers are responsible for providing access to IGM labs for scheduled open hour student use. Their duties include:

- Opening and closing the labs (We are open 7 days a week).
- Ensuring students are using the facilities appropriately
- Tutoring support for approved classes
- Other duties and projects to improve the department and labs as needed.

If you are interested in being a lab worker, applications are accepted between week 12 and 14 of each semester. To apply, send your resume, cover letter to ann.warren@rit.edu

Note: Lab Worker positions are on a per semester basis. No guarantee is made of continuing employment as positions are determined by departmental need and student availability

Lab Reservations

If you are an IGM student / faculty or staff, you may want to use our facilities for an event or club meeting. To reserve a lab:

1. Complete the [lab reservation electronic form](#)

2. You must:
    a. Be an IGM student, faculty or staff.
    b. If you are an IGM student or club, you must have:
        i. Club President / Vice President is an IGM Lab Worker or IGM Graduate Assistant who will be there the entire time.   OR
        ii. An IGM faculty member(s) who will be at the lab reserve time for the entire session.

    c. Ensure if the PCs are to be used, that all students have IGM student accounts or they will be unable to use the facilities.

FAQ

What PC\Laptop do you recommend for purchase as incoming freshman?
We do not recommend that incoming freshman purchase a laptop or desktop when arriving at RIT. The reason behind this, is that students will acclimate to the environment for what works best for them. EX. Tablet for taking notes, desktop in their room, laptop that does both, etc. We provide adequate facilities with all the software needed for students to meet their curricular needs (and it lets you get to know your fellow students!). After your first year, students will have a better understanding of what will fit their needs.
What if I want to purchase an Alienware Desktop or Laptop like the IGM department uses?
Now that you are past your first year, you know what will work best for you for completing assignments and traveling to and from class (through Rochester winters!). The IGM department has an agreement with Dell to allow IGM students to purchase Alienware Desktops and Laptops at a lower price.
[Dell online](#) (note you will need your RIT login credentials)
Apple Products Digital Den or online --- http://www.rit.edu/fa/digitalden/
Microsoft Office is NOT included in the Microsoft MSDNAA (Dreamspark) program. Do I have to pay full price for it for my personal computer?
The Microsoft MSDNAA (now known as Dreamspark provides currently enrolled IGM students with access to various Microsoft Operating systems and software (ex. Visual Studio) for free use during their student career at RIT. Microsoft does NOT provide Microsoft Office in this subscription. Microsoft Office365 is provided to currently enrolled students for free.
The IGM labs are not open at convenient hours for me. How can I get this changed?
Each semester we set lab hours by student use. Lab workers take hourly counts of the students using labs and we then use that along with previous semesters to determine when optimal open hours should be.   We are open seven days a week and open most days late evenings to accommodate student needs.

I have a concern/issue with the IGM labs, who do I see or contact?
We are here to assist you whenever possible. If you have a concern with the labs, hardware, software or personnel, you may contact the following people:

- Lab Hardware / Software issue: Lab assistant on duty as they can provide quick responses or assistance. Or email the system administrators at igm-tech@rit.edu
- Personnel concerns – email the lab manager at ann.warren@rit.edu