

Computing and Network Resources Department of Geosciences

The following is a list of Computing and Network Resources and services available to students, faculty, and guests of the Department of Geosciences. The Department of Geosciences shares facilities, network support, and personnel with the Department of Biology and as a result some of the links and resources are hosted on biology servers.

For general information about networking contact : [net @ geo.umass.edu](mailto:net@geo.umass.edu)

The main Geosciences server is named **Eclogite**. It serves many purposes for the department and is our email server, ftp server, web server, and print server.

Network Services:

The Geosciences department servers provide, among other computing needs, email, network printing, and file sharing; access to these services requires an account. These accounts are independent of those available through other entities on campus like OIT or PeopleSoft. Accounts on Biology, Geosciences, and Microbiology servers are managed by College of Natural Sciences computer and network support staff in Morrill (Biology: net@bio.umass.edu; Geosciences: net@geo.umass.edu; Microbiology: net@microbio.umass.edu).

- User Accounts: fill out an account request form in the Geosciences main office, Morrill II 233. Accounts can also be requested by [clicking here](#)
- Most users use email local clients to access mail. [Click here for Email help](#).
 - [SquirrelMail](#) is a web-based application for accessing your email
- Activate Printing and File Sharing for Your Account
 - Accounts must be activated in order to access network printer queues and file storage space on departmental servers. One must have an active [OIT NetID](#) to be able to activate a Biology, Geosciences, or Microbiology account. Users with an active OIT NetID can [activate Geosciences accounts online](#).
- [Connecting a Computer to the Network:](#)
- [Campus Wireless Services](#)

Department Computing Facilities:

- Digital Modeling/Mapping Lab Morrill 2 245
 - Click here for specific information concerning the updated resources in the Digital Modeling/Mapping Lab in Morrill II 245.
- [GIS Lab](#) – Morrill IV South, Rm 271

- The Common Room Morrill 4 S 254

- Contains 3 PCs and 2 Macs, and hosts Graphite (our general department printer), as well as a copy machine. The PCs are running Windows 7 and have MS Office 2013, Adobe Creative Cloud, and ESRI ArcMap installed. The Macs are recycled from the Digital Mapping Lab.
- ☒ In addition to email and printing there is file space available via eclogite. There are 3 general sorts of file space available: private (owned and accessible only by each user); lab-owned which is available to and accessible by all members of a research lab; and publicly available, accessible using anonymous ftp or web. See the following links for information on how to access.
 - [OS X \(10.7\)](#)
 - [Windows \(Vista and 7\)](#)

Printing

The Department of Geosciences maintains a HP Laser Jet in Morrill 4S 254 (i.e. the Common Room). The computer name is **Graphite**. Individual labs have networked printers that are managed by Lab PI's.

For details on connecting to graphite and other networked printers in the department please follow the links below for the operating system of interest.

- ☒ [OS X \(10.5 and 10.6\)](#)
- ☒ [Windows](#)

The department also maintains a full-size plotter in room 269. This plotter is capable of printing 36" wide and 42" wide prints of any reasonable length. We do not stock 42" paper, so you must provide your own paper for prints that are 42" wide. Printing is restricted to select personnel. Please contact [Don Sluter](#) at 545-2538 for information on printing posters and other large documents. Cost is \$2 per square foot for members of the Department of Geosciences, and \$5 per square foot for anyone else. Don is usually available during the high-throughput times prior to GSA and AGU annual meetings.

University Maintained Software Licenses and Packages: ([Click here for OIT site with complete list of free and discounted software](#))

- Operating Systems: (links below all require active [OIT NetID](#))
 - [Linux](#) – including a customized version of Ubuntu
 - Windows
 - ☒ [Products for students from DreamSpark](#)
 - ☒ [Products for faculty and staff on University owned machines](#)
- Microsoft Office Products:
 - [Products for faculty and staff on University owned machines](#)
- Adobe Products
 - [Adobe Creative Suite Products to faculty and Staff \(no cost\)](#)
 - [Adobe products for campus community \(discounted\)](#)
- Mathematica
 - [Faculty/Staff](#)
 - [Students](#)

Department Maintained Software (note: these are packages available in limited quantities available through active research labs in the department. Please contact lab PI for questions regarding availability of use. No guarantee is made that the software is available to users outside of research group.). A list of software available on the DML computers is here

- Hydrogeology Research Group (Boutt)
 - [GMS version 8.1](#) – 5 floating licenses
 - [Comsol Multiphysics](#) – Class License Kit (30 floating) with Subsurface flow module
 - [Aqtesolv](#) – Class licenses
 - [WellCAD](#) – 1 seat
 - [Visual Modflow](#) – 5 seats
 - [Fracman](#) – 1 seat (through generous support of Golder Associates)
 - [RS2DINV](#) – 1 USB license
- Geomechanics Research Group (Cooke)
 - [Move](#) – 20 floating seats
 - [Poly3D](#) – 15 floating seats
 - [Dyner](#)
 - [Coulomb3](#)
- GIS/Remote Sensing (Yu)
 - [ArcGIS](#) (current version) – 50 floating seats
 - [Exelis ENVI](#) (current version) – 25 floating seats (with 1 IDL license and 1 FLAASH license)
 - [PCI Geomatica](#) (2012) – 1 License
 - [Definiens eCognition](#) v5 – 1 License
- Sedimentology Research Group (Woodruff)
 - [Kingdom Suite](#) (SMT): 5 sentinel USB key licenses
 - [Radexplorer](#): 1 sentinel USB license