

The Commonwealth Graduate Engineering Program (CGEP) encourages the participation of business and industry sites in receiving of courses at their site. To help assess your companies ability to participate the following site requirements document has been created.

Required Equipment beginning Fall Semester 2007

- A H323 Standards compliant videoconferencing system capable of operating at a 384kbp connection (768kbps preferred)
For example: Aethra, <http://www.aethra.com/worldwide/home.asp>
Tandberg, <http://www.tandberg.net>
Polycom, <http://polycom.com/home/>
VCon, vcon.com
- Videoconferencing system must be able to receive H239 Content channel and display it on a monitor separate from the H323 video channel.
- Push to talk microphone system (one microphone for each two students)
Default setting on microphones being mute on
- Larger video monitor to view inbound H323 video and second monitor for H239 Content channel
Classes are currently provided in standard TV layout (not 16:9)

Basic Network requirements:

- IP network robust enough to handle video calls while simultaneously meeting other demands of your site
- IP network capable of assigning the videoconferencing unit a static IP address
- A network configuration where either the videoconferencing unit sits outside of the company firewall (preferred) or where network personnel are responsible for configuring and continuing to maintain open state for all needed IP ports necessary for successful videoconferencing
- Or ISDN connectivity on a network able to provide connection to our Codian ISDN to IP Gateway. 384 kbps minimum

Requisite IT Personnel and commitment:

- Network management that understands and is committed to providing support for IP based videoconferencing as a necessary part of the company/sites infrastructure
- An IT staff that assesses network changes being planned and implemented with videoconferencing needs considered and attended to
For example: firewall changes
Bandwidth considerations

- A company/site commitment to making staff that understands how and what is necessary to run/troubleshoot videoconferencing equipment and internal network operations available onsite while classes are being delivered

If you have questions please address them to: dvideo@virginia.edu