

Outline for a Formula:

Community College Needs For Broadband

Mickey Slimp, Ed.D

Northeast Texas Network (NETnet)

Elements of Need

- Internet Student Access
 - Local Services (based on simultaneous users/LMS plus library/student support)
 - Externally Hosted Services
 - Richness of Local Content (text based/web conferencing/ desktop video/video-on-demand)
 - Redundant sources/redundant pathways

Elements of Need

- Interactive Video Services
 - Simultaneous Classes (0.3 mbps to 2mbps per course)
 - Picture and Content (increases bandwidth for effectiveness)
 - Desktop Support (technology used + number of access points)

Elements of Need

- VoIP Support
- Shared Wide-Area Ethernet (10 mbps/100 mbps/1 gbps)
- Residential Students (400 mbps per current student download)

Elements of Need

- Additional VPNs
 - External Campuses
 - Corporate Partners
 - Healthcare
 - Campus Security

Elements of Need

- WebServers
 - College Access and Activities
 - Community Partnerships
 - Athletics
 - Special Projects

Current Structure

- OC-3 Based (155 mbps) Broadband
- Commodity Internet (30 – 75 mbps)
- Redundant providers for 0 – 100+ mbps

Three Year Need

- Minimum 150 mbps Commodity Internet + 100 mbps per 1000 classroom students.
- 2 mbps download capacity per residential student
- Broadband and Internet redundancy
- Minimum 50 mbps throughput to Internet2
- 10 mbps/100 mbps wide area Ethernet.

Goal: Minimum 1 gbps Broadband for campus sites with 500+ FTE

For More Information Contact:

Mickey Slimp, Executive Director
Northeast Texas Consortium of Colleges and
Universities (NETnet)

Mickey.Slimp@netnet.org

903-877-1276

903-571-0892 (cell)