



## **Firewall Information:**

Certain features in Blackboard, particularly the Virtual Classroom, can be affected by the firewall in Internet security deployments. This is typically only an issue in organizations that have very robust Internet security such as a hospital or government office.

When connecting from external locations to Michener's Blackboard Learning System (<http://michener.blackboard.com/>), special configuration of your organization's firewall may be required to ensure proper connectivity. In particular, the Blackboard Virtual Classroom requires a connection to the Blackboard server over **port 8010/tcp** and **port 8011/tcp**, which means that your corporate firewall must allow these packets to be sent to and from the Blackboard application server (**michener.blackboard.com**). Your organization's network administrator will understand these instructions. Should the network administrator of your organization wish to discuss this issue further, or have any questions for Michener's Information Management staff, please feel free to direct them to Michener's Help Desk at 416-596-3101 ext.3369.