

Speech Science Lab

The department's Speech Science Lab is an integral component of classes on speech science, voice disorders, vocal rehabilitation, resonance disorders, and swallowing disorders. Our lab proudly features the following cutting-edge technologies:

- **[Computerized Speech Lab \(CSL\) Model 4500](#)**
The CSL is an advanced hardware and software system that offers a wide variety of speech analysis and biofeedback software packages, preferred by clinicians and researchers in speech-language pathology.
- **[Phonatory Aerodynamic Systems \(PAS\) Model 6600](#)**
The PAS is a state-of-the-art system for measuring airflow, air pressure, and other parameters related to speech and voice production. The PAS allows clinicians and researchers to obtain a sophisticated understanding of phonatory behavior from baseline evaluations through interventions.
- **[Nasometer II, Model 6450](#)**
The Nasometer is a popular clinical tool used to assess and treat clients with nasality problems. The Nasometer uses a novel headset design (worn by the client), which separates oral and nasal cavities by a plate. This plate has microphones mounted at the top and bottom which collect acoustic energy during speech production.
- **[Sona-Speech](#)**
The Sona-Speech is a therapy tool commonly used by clinicians when assessing and treating clients with a variety of speech and voice disorders. It provides real-time visual feedback of key speech and voice parameters and objective measurements to evaluate client performance.