Equipment available in the Sensory-Motor Integration Lab includes:

- High density Compumedics Neuroscan SynAmpsRT electroencephalography (EEG) system with 128-channel and 64-channel EEG caps
- Compumedics Neuroscan 64-channel NuAmps EEG system with 64-channel EEG caps
- Compumedics Neuroscan CURRY 7 and CURRY 8 software for basic and advanced EEG analyses, including source localization
- Compumedics Neuroscan SCAN 4.5 software for EEG analysis
- Polhemus FASTRAK 3-D digitization system
- Cedrus SuperLab stimulus presentation software
- Cedrus StimTracker response acquisition system with 8-button response pad and photosensors
- HTC VIVE Virtual Reality headset and Unity software
- 7-camera Vicon Bonita 10 / Vero Infrared motion capture system
- MotionMonitor integration and analysis software, including the Biofeedback Module
- 3-D back projection virtual reality system with shutter glasses and a stereoscopic immersive display
- 16-channel A/D board for interface with additional measurement devices
- 8-channel Delsys Bagnoli electromyography (EMG) system
- Transcutaneous electrical nerve stimulation unit
- Two electronic handheld dynamometers (500 kg ceiling)
- One in-line electronic strain gauge (compression and tension; 1000 kg ceiling)
- Applied Science Laboratories 5000 SU eye movement system with Eyehead Integration software
- SMI binocular eye movement system
- Biopac MP35 data physiological acquisition unit with EMG, ECG, EEG, and accelerometer data collecting devices
- Sharp LCD Projector
- Visual Reaction Timer
- Treadmill
- 20 TB data storage device in a RAID-6 configuration
- 5 high-powered computer workstations for data analysis
- 6 student workstations
- Range of available software for productivity, data processing, statistical analysis, etc., including MATLAB, EEGLAB, ERPLAB, FieldTrip, SPSS, JMP, SPM, FSL, FreeSurfer, Microsoft Office Suite (Word, Excel, PowerPoint, etc.) and others available upon request. Multiple operating systems and programming languages are supported in SMILE.

Multiple operating systems and programming languages are supported in SMILE.