Watson College of Education
at the University of North Carolina Wilmington

Enhancing Instruction with Technology

This document highlights some of the incredible technology resources available to faculty and staff in the Education Building. While it does not cover every room in the building, we have attempted to highlight some of the most outstanding resources currently being used by faculty and staff of the Watson College of Education.

Mission and Vision of the Organization

The Watson College of Education has taken the lead on campus, in the region, and nationally with its innovative programs to accelerate the infusion of technology throughout its educator preparation programs. Efforts to achieve a sustainable, transforming impact on both Watson School preparation programs and regional school districts that serve as application sites in southeastern North Carolina have been successful in a large part due to the healthy, active, and longstanding partnerships between the university, public school districts and schools, state department of public instruction and the corporate sector. The attention to the systemic nature of such reform efforts has also meaningfully involved campus–wide partners from the College of Arts and Sciences, Academic Affairs, and the Information Technology Systems Division of the University of North Carolina Wilmington. *From WCE Strategic Technology Plan (2010)*

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1st Floor

The Education Building at UNCW is not only beautiful and unique, but it is also known for high-quality, technology-enhanced learning spaces. These include a Media Production Lab, distance learning classroom that connects UNCW with others around the world, "behind the glass observation and teaching" classroom, assistive technology classroom with state-of-the-art technologies for teaching students with disabilities and an early childhood education classroom with distance learning capabilities to connect with similar classrooms at two community college sites. Some technologies listed are currently under development and should be completed by Spring 2011.

The North Carolina Teachers Legacy Hall - Ten niches depicting multiple facets of education in North Carolina: teaching tools, one-room schoolhouse, school bus, awards, teachers and principals of the year, historical timeline/current events, school desks, films that teach, bookshelf of donors and the battleship.

Computer Lab (EB 111) - Provided by funding from Progress Energy, this computer lab is open to students and teachers from surrounding areas most of the day during regular class schedule. The room features 20 desktop computers and special areas for personal laptop computer usage. In addition, the room is a fully functional classroom with electronically operated screen projection at the front of the room.

Curriculum Material Center (EB 127) - The CMC serves as a resource center for students enrolled in UNCW's teacher education program and for teachers in the surrounding area. The center allows students to check out technology needed in their course of studies such as laptops and digital video cameras, as well as current curriculum used throughout North Carolina.

Transition Program for Young Adults Room (EB 108) - Equipped with electronically operated front screen projector, audio visual source equipment, and document camera located on the teaching lectern. Includes an interactive gaming station connected directly to a main projector that students use to facilitate the development of skills through game play.

Lecture Hall (EB 162) - This teaching space, which seats 200, has media technology that incorporates automated touch panel control for room lighting and media management. Highlighting the room is its dual LCD projection with capabilities of projecting simultaneous computer composite video media, along with program and guest speaker audio reinforcement.

Ed Lab (EB 130) - Students practice the methods they are learning in their courses by tutoring a child in a one-on-one setting. The Ed Lab showcases "SMART" Technologies, including two interactive white boards and one multi-touch interactive table. The Betty Stike's Education Laboratory allows students to use the latest technologies to engage students in learning.

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2nd Floor

The second floor of the Education Building showcases several different types of classrooms for learning, observation and collaboration. Some classrooms use numerous technologies to enhance sharing information through distance education, while other classrooms provide "hands-on" laboratories where students facilitate educational practices.

Mulitmedia Classroom (EB 246) - Equipped with electronically operated front screen projector, audio visual source equipment, and document camera located on teaching lectern. Lighting and audio are centrally controlled by a touch screen panel at one or two touch points within the room.

Distance Education Room (EB 266) - Designed to promote student learning through the use of the latest technologies and to deliver educational opportunities to those both on and off site. Equipped with electronically operated dual front screen projection and rear room flat panel. Pan-tilt zoom cameras, wireless microphones and boundary microphones at student tables allow AV capture, transmission, and recording to facilitate interactive participation with anyone in the world.

Science Classroom (EB 223) - Equipped with electronically operated front screen projector, audio visual source equipment, and document camera located on teaching lectern. Lighting and audio are centrally controlled by a touch screen panel at one or two touch points within the room. In addition, a ceiling-mounted document camera specifically designed for capturing experiments and hands-on activities.

Observation Classrooms (EB 232-235) - Both rooms combine all standard technologies found in other classrooms. The classroom in 232 has an attached observation room for viewing students and evaluating teaching. Faculty members and students can observe a class using piped in microphones without disrupting the instruction. Additionally, there is a "SMART" Technology 87-inch interactive multi-touch SMARTBoard.

Early Young Children Classroom (EB 214) - The EYC distance education classroom will soon be equipped with interactive telecommunication technology that allows video conferencing on a statewide, regional and international basis. Pan-tilt zoom cameras and boundary microphones at student tables allow AV capture, transmission, and recording to facilitate interactive participation from students.

Storage Room Check Out (EB 250) - Available for faculty to checkout some of the latest technologies available for teaching and learning including: travel laptops, projectors, laptop carts, video cameras, digital voice recorders, and digital still cameras. Also available are remote answering systems for a class of 10 or up to 100.

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3rd Floor

The third floor of the Education Building expands student exposure and access to multi-media, distance meeting and assistive technologies. State of the art conference rooms and meeting spaces allow for interactive and distance communication. Updated computer labs, multimedia equipped classrooms and specialty technologies allow students the experience with real world tools.

Multimedia Classrooms (EB 337, 387, 331, 306) - Equipped with electronically operated front screen projector, audio visual source equipment, and document camera located on teaching lectern. Lighting and audio are centrally controlled by a touch screen panel at one or two touch points within the room.

Assistive Technologies Classroom (EB 351) - The AT classroom houses hundreds of assistive technology devices that are used in classes. This room is equipped with electronically operated front screen projector, audio visual source equipment, and a document camera located on teaching lectern. Lighting and audio are centrally controlled by a touch screen panel at one or two touch points within the room.

Computer Lab (EB 335) - This computer lab is used to teach instructional technology courses. Featuring 28 desktop computers, the room is equipped with electronically operated front screen projection, audio speakers. This room includes an integrated "SMART Technology" 87-inch interactive multi-touch SMARTBoard.

MIT Program Classroom (EB 368) - Includes pan-tilt zoom cameras and boundary microphones at student tables, allowing AV capture, transmission, and recording to facilitate interactive participation from students. Equipped with Cisco Telepresence technology, this room can send and receive High Definition interactive video worldwide. This room also contains program-specific laptops and workstations.

Conference Room with Distance Meeting Capabilities (EB 330) - Designed to host both conference and general meetings, this media-enhanced conference room is equipped with pan-tilt cameras, flat screen displays, wireless microphones as well as boundary microphones to allow AV capture, transmission, and recording.

Conference Rooms (EB 158, 280, 385, 324) - These conference rooms combine large 52-inch screen displays with laptops for small class or group meetings.