

Physical & Life Sciences

Wayne Bensley, Chair
Phone: 607-587-4558
Secretary Phone: 607-587-3672 or 3680
Email: benslewd@alfredstate.edu

The Physical and Life Sciences Department at Alfred State provides students with a strong education in a wide range of scientific and technical disciplines through online and on-campus curricular offerings. Faculty specializations span a spectrum of health information technologies, molecular and cell biology, genetics/genomics, nutrition science, forensic science, chemical instrumentation, microbiology, and physical chemistry. While diverse, the faculty and staff share the common goal of effectively delivering the practical and theoretical foundations of disciplines through a rich blend of interactive lectures, informal discussion, meaningful laboratory inquiries, and internships. In addition to discipline-related course work, each program is complemented by a broad array of general education courses aimed at equipping students with insights and background that will help fulfill their roles in greater society. Emphasis is also placed on lifelong learning, as reflected by the many articulation agreements assuring seamless transition to other programs within Alfred State and to other institutions of higher learning.

The department offers students direct use of modern laboratory/clinical equipment in real-world or simulated settings and provides the highest-level virtual laboratory experiences. Practical, hands-on competencies, critical reasoning skills, and, where pertinent, team-based problem solving, is "de rigueur." If a student expresses an interest outside of a discipline's normal scope, independent study options may also be developed.

In some programs there are physical ability requirements based on individualized assessment rooted in current medical evidence or the best objective evidence. See each program for specific physical requirements. If a student's physical ability compromises or threatens his/her success in a program, or the health and safety of others, he/she may be denied enrollment or continuation in the program.

MISSION

To be recognized for employing a comprehensive plan for recruiting and admitting, orienting and advising, retaining, graduating, and placing students of its degree programs.

FACILITIES

Physical & Health Sciences Building – The Physical and Life Sciences Department is located in a recently renovated facility. Four science-ready lecture rooms are on the first floor with eight laboratories found on the second and third floors for the biological science, environmental technology, and the forensic science technology programs. The laboratories are outfitted with state-of-the-art equipment and instrumentation, anatomic models, and the latest application software for teaching and learning as well as for independent study and research. The healthcare management, health information technology, and coding & reimbursement specialist curricula are completely online programs.

Agriculture Science Building – There are two programs located in the Bethesda Foundation Imaging Suite on the third floor. The radiologic technology program laboratories are equipped with a nonenergized X-ray unit for students to learn proper patient positioning and a digital energized X-ray unit for students to acquire proper imaging skills and shielding with skeletons and pixies. The diagnostic medical sonography program's laboratory has three ultrasound units for students to obtain competency in effective scanning. Students also have access to ultrasound pathology simulation utilizing SonoSym.

DEPARTMENT PROGRAMS

[Biological Science](#) (AAS)
[Coding & Reimbursement Specialist](#) (Certificate)
[Diagnostic Medical Sonography](#) (AAS)
[Environmental Technology](#) (AAS)
[Forensic Science Technology](#) (BS)
[Health Information Technology](#) (AAS)
[Health Sciences](#) (BS)
[Healthcare Management](#) (BTech)
[Radiologic Technology](#) (AAS)