The School of Dentistry is located on the west campus of Creighton University. This is the site of the Bio-Information Center, Alegent Creighton Health Creighton University Medical Center (the university teaching hospital), the Omaha Health Professions Center, the Boys Town National Research Hospital, and the Ambulatory Care Facility. Within this complex, the Dental School building was the first of these structures to be completed (in 1973).

The School of Dentistry occupies a facility containing 150,000 square feet of space (excluding interstitial mechanical areas). It is a three-level structure with grade entry to the first two. The first level contains classrooms; cafeteria; and administrative, teaching and patient treatment facilities for the Departments of Physical Therapy and Occupational Therapy of the School of Pharmacy and Health Professions. Adult dental clinical facilities and applicative faculty offices occupy the entire second level of the building. The third level is occupied by the School of Dentistry administrative offices, children’s clinics, preclinical laboratories, basic science laboratories, research space, oral biology offices, seminar rooms and animal facilities.