DENTAL HYGIENE (A.A.S TO B.S.D.H.)

Students who have successfully earned the Associate in Applied Science (AAS) in Dental Hygiene at Iowa Western Community College may be eligible to earn the Bachelor of Science in Dental Hygiene. This program is offered through the College of Professional Studies in conjunction with the School of Dentistry. This Bachelor of Science Degree in dental hygiene is designed to prepare the graduate to assume broader positions of responsibility in a variety of health care, research, business, community, and educational settings, and to adapt to new roles necessitated by the changing health care environment. It does so by offering a curriculum that encompasses the arts, humanities, basic and behavioral sciences, and advanced professional studies. Emphasis is placed on the basic principles of problem-solving and decision making, critical thinking, communication skills, and ethical behavior with a particular focus on life-long learning skills that can be applied to a multiplicity of roles and career settings.

To be considered for admission to this program, qualified applicants must show evidence of:

1. graduation with a minimum 2.5 GPA from Iowa Western Community College,
2. successful completion of the Dental Hygiene National Board Examination,
3. current licensure as a dental hygienist in any state in the United States or Canada, in good standing, and
4. satisfactory academic and professional references.

Students who have completed the associate’s degree in dental hygiene at Iowa Western Community College, which is affiliated with the Creighton University School of Dentistry, will be required to complete a minimum of 48 additional hours at Creighton University. A cumulative grade point average of 2.0 is required for graduation with a Bachelor of Science degree in dental hygiene from the School of Dentistry. This average shall be computed only on the basis of all courses attempted while enrolled in University School of Dentistry, will be required to complete a minimum of 48 additional hours at Creighton University. A cumulative grade point average of 2.0 is required for graduation with a Bachelor of Science degree in dental hygiene.

Students will have a maximum of four years from the time of enrollment at Creighton University to complete their bachelor’s degree requirements.

Bachelor of Science in Dental Hygiene (B.S.D.H.) Requirements: 48 Credits

Beyond the required courses taken in order to fulfill the associate’s degree, students will need to complete the remaining baccalaureate degree requirements:

<table>
<thead>
<tr>
<th>Areas of Study</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CPS200: Making the Transition</td>
<td>3</td>
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<tr>
<td>Magis Common Core Requirements</td>
<td>27</td>
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<tr>
<td>Dental Science</td>
<td>18</td>
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<tr>
<td>Total Semester Hours Remaining</td>
<td>48</td>
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GDS 113. Dental Anatomy Lecture. 2 credits. FA
The student is taught nomenclature, chronology, and methods of designation of human teeth. Form, size and contour of teeth, including external and internal anatomy of the permanent and primary dentitions, intertooth relationships, and occlusion are presented in detail. 1R, 16W.

GDS 115. Dental Materials Lecture. 2 credits. FA
This course presents the fundamental principles of dental materials science as it applies to clinical dentistry including an understanding of the basis for laboratory and clinical use. The rationale for materials selection, as dictated by clinical procedure and product comparison, will also be presented. 1R, 16W.

GDS 116. Dental materials Laboratory. 3 credits. FA
Specific dental laboratory projects will be accomplished to allow the student to become familiar with the handling characteristics of the dental materials presented in lecture. This will help to ensure competent use of commonly used dental materials at the clinical level. These exercises are also designed to improve manual dexterity and eye-hand coordination. 2L, 16W.

GDS 117. Introduction to Conduct of Research. 1 credit. FA
This course will involve the completion of CITI web-based modules, identification of research project mentor, identification of research project topic and completion of all project research plan and IRB submission documents in draft form. S.

GDS 135. Dental Materials and Introduction to Operative Dentistry Lecture. 4 credits. SP
Composition and properties of the materials used in dentistry. Basic information on the design of preparatory work necessary for the mouth incident to the reception of these materials. A group research project designed to lead to a table clinic presentation will be conducted under the guidance of a faculty mentor. 2R, 16W.

GDS 136. Dental Materials and Introduction to Operative Dentistry Laboratory. 4 credits. SP
Application of materials used in dentistry with an emphasis on the treatment of single surface tooth lesions. 2L, 16W.

ORB 113. Histology. 9 credits. FA
Microscopic anatomy of normal mammalian and/or human tissues and organs. Light and electron microscopic aspects of the tissues and organs are studied. The developmental anatomy of the organ systems will also be presented. 3R, 3L, 16W (Split classes for laboratory).

ORB 115. General Gross Anatomy Lecture. 10 credits. FA
Basic instruction in the gross anatomy of the upper extremity, thorax, and abdomen. This course is taught by lecture, laboratory dissection, models, radiographic images, and various multimedia resources. 2R, 6L, 16W (Split classes for laboratory).

ORB 117. Introduction to Conduct of Research Lecture. 1 credit. FA
This course will involve the completion of CITI web-based modules, identification of research project mentor, identification of research project topic and completion of all project research plan and IRB submission documents in draft form. S.

ORB 131. Head and Neck Anatomy. 9 credits. SP
Basic instruction in the gross anatomy of the head and neck. Special emphasis is placed on the clinical application of anatomy to the various dental disciplines. Such topics include the anatomy and pathology of the TMJ and distribution of the trigeminal and facial nerves with associated applied anatomy. This course is taught by lecture, laboratory dissection, models, radiographic images (x-rays, MRIs, and CTs), and various multimedia resources. 2R, 6L, 8W; 2R, 3L, 4W (Split classes for laboratory).
ORB 133. Oral Histology and Embryology. 8 credits. SP
Microscopic and developmental anatomy of the normal cells, tissues and organs of the oral cavity with emphasis on teeth and related tissues. Emphasis will be given to the growth and development of the head and neck. Genetic effects will be presented. 2R, 3L, 8W; 3R, 3L, 8W (Split classes for laboratory).

ORB 137. Nutrition. 2 credits. SP
Basic instruction in nutrition, including nutrients for growth and development of oral tissues. Provides knowledge of balanced nutrition and measurement of dietary factors as related to clinical prevention and health care. Focuses on specific nutrition issues of dental patients and oral conditions with applications to clinical dental practice. 1R, 16W.

ORB 311. Dental Pharmacology II. 4 credits. FA
Lectures and discussions on pharmacological principles and specific drug classes. Specific drug classes include anesthetics, analgesics, sedative hypnotics, autonomic drugs, cardiovascular drugs, and central nervous system pharmacology. 2R, 16W.

PER 213. Periodontology Lecture. 2 credits. FA
This course presents the ultra structural features of the healthy periodontium and contrasts those with that found in periodontal diseases. The student is introduced to the diagnosis of periodontal diseases as well as the relevant etiology and contributory factors. 1R, 16W.

PER 233. Periodontology Lecture. 2 credits. SP
This course presents the integration of treatments of periodontal diseases in the framework of treatment planning for dental and oral issues in general. The student is introduced to case-based analysis and treatment planning. 1R, 16W.

PER 313. Periodontology Lecture. 2 credits. FA
This course reviews National Board Part 2 issues, including the etiology, contributory factors, and diagnosis of bacterial plaque induced periodontics. This course also introduces the student to the various applications of periodontal surgeries. 1R, 16W.