DENTAL HYGIENE

Collins Career Technical Center is in the process of seeking Initial Accreditation for the Associate of Applied Science in Dental Hygiene Program. Information about the Dental Hygiene Program and dental hygiene as a profession can be found below.

The program is in the initial stages of development and is not accepting students at this time. As we finalize development and begin implementation of the program, more information will be posted regarding application deadlines and program start dates. Please check the website for updated information.

Upon accreditation, students who complete the program will be eligible to sit for state and national board exams and obtain licensure as a Registered Dental Hygienist.

THE ROLE OF A DENTAL HYGIENIST

A career as a dental hygienist offers a wide range of challenges. In the dental office, the dentist and the dental hygienist work together to meet the oral health needs of patients. Since each state has its own specific regulations regarding their responsibilities, the range of services performed by hygienists varies from state to state. Some of the services provided by dental hygienists may include:

- patient screening procedures; such as assessment of oral health conditions, review of the health history, oral cancer screening, head and neck inspection, dental charting and taking blood pressure and pulse
- taking and developing dental radiographs (x-rays)
- removing calculus and plaque (hard and soft deposits) from all surfaces of the teeth
- applying preventive materials to the teeth (e.g., sealants and fluorides)
- teaching patients appropriate oral hygiene strategies to maintain oral health; (e.g., tooth brushing, flossing and nutritional counseling)
- counseling patients about good nutrition and its impact on oral health
- making impressions of patients’ teeth for study casts (models of teeth used by dentists to evaluate patient treatment needs)
- performing documentation and office management activities

American Dental Association, 2016.
EMPLOYMENT OPPORTUNITIES

Clinician:
Dental hygienists in a clinical role assess, diagnose, plan, implement, evaluate and document treatment for prevention, intervention and control of oral diseases, while practicing in collaboration with other health professionals. Examples of clinical settings include:

- Private dental practices
- Community clinics
- Hospitals
- University dental clinics
- Prison facilities
- Nursing homes
- Schools

Corporate:
Corporate dental hygienists are employed by companies that support the oral health industry through the sale of products and services. Leaders throughout the dental industry often employ dental hygienists due to their clinical experience and understanding of dental practice. Examples of corporate positions include:

- Sales representatives
- Product researchers
- Corporate educators
- Corporate administrators

Public Health:
Community Health programs are typically funded by government or nonprofit organizations. These positions often offer an opportunity to provide care to those who otherwise would not have access to dental care. Examples of public health opportunities include a variety of roles and settings:

- Clinicians, Administrators, Researchers
• State Public Health Officer
• Community Clinic Administrator
• Indian Health Service
• Head Start programs
• Local health departments
• National Health Service Corps
• School sealant programs
• Rural or inner city community clinics

Researcher:
Research conducted by dental hygienists can be either qualitative or quantitative. Quantitative research involves conducting surveys & analyzing the results, while qualitative research may involve testing a new procedure, product, or theory for accuracy or effectiveness. Examples of research settings include:

• Colleges and universities
• Corporations
• Governmental agencies
• Nonprofit organizations

Educator:
Dental Hygiene educators are in great demand. Colleges and universities throughout the U. S. require dental hygiene instructors who use educational theory and methodology to educate competent oral health care professionals. Corporations also employ educators who provide continuing education to licensed dental hygienists. Examples of education positions may be full time or part time and include:

• Clinical instructors
• Classroom instructors
• Program directors
Corporate educators

Administrator:
Dental hygienists in administrative positions apply organizational skills, communicate objectives, identify and manage resources, and evaluate and modify programs of health, education and health care. Examples of administrative positions include:

- Clinical Director, statewide school sealant program
- Program Director, dental hygiene educational program
- Dean of Health Sciences, educational institution
- Executive Director, state association staff
- Director, corporate sales

Entrepreneur:
By using imagination and creativity to initiate or finance new commercial enterprises, dental hygienists have become successful entrepreneurs in a variety of businesses. Entrepreneurial opportunities developed by dental hygienists include:

- Product Development and Sales
- Practice Management Company
- Employment Service
- CE provider or Meeting Planner
- Consulting Business
- Founder of Nonprofit
- Independent Clinical Practice
- Professional Speaker / Writer

ADHA, 2012-2015. [http://www.adha.org/professional-roles](http://www.adha.org/professional-roles)

**CCTC DENTAL HYGIENE PROGRAM GOALS**
1. Education

It is the goal of Collins Career Technical Center to provide high-quality, comprehensive education to students of the dental hygiene program. The program shall provide in depth knowledge of all aspects of dental hygiene care. Core curriculum will be delivered in an environment conducive to learning and in such a way that students will be inspired to continue learning after entering the field of dental hygiene. All curriculum will be focused on current, accepted techniques used in preventative dentistry, utilizing faculty expertise and contemporary teaching methodologies, utilizing both didactic and clinical learning experiences.

2. Comprehensive Care

The program will strive to develop competent, caring, highly educated dental hygienists that can successfully deliver comprehensive care to the population. Upon program completion, students will be equipped to meet patient needs by providing an array of specialized preventative services, managing behavior and pain, always ensuring the health and safety of the patient and the operator, providing oral health education, and preventing and managing medical emergencies.

3. Professionalism

Prepare dental hygienists that are ethical and professional. The importance of treating patients in a respectful manner regardless of factors such as ethnicity, socioeconomic status, or mental or physical impairments, will be integrated into all areas of the curriculum. Dental hygienists completing this program will have a thorough understanding of the laws, regulations, and concepts that pertain to the practice of dental hygiene and the ethical treatment of patients. Collins Career Technical Center will develop dental hygienists that take pride in their work and hold themselves to a high standard, always practicing according to the code of ethics, and using the most current, accepted methods of treatment.

4. Health Promotion

Develop dental hygienists that practice with the goal of promoting an increase in the total health of the population. While the duties of a dental hygienist focus primarily on oral health, our students will practice with an understanding of the interrelationship between the mouth and the body, and take all aspects of patient health into consideration when rendering treatment and providing patient education.

5. Delivery of Care Based on Scientific Evidence
Prepare dental hygienists that deliver treatment based on scientific evidence by incorporating scientific research into the curriculum. Decisions regarding best practice methods will be made based on current scientific research and accepted practices. Dental hygienists completing the program will participate in life-long learning activities that will ensure they are abreast of the most current scientific principles and practices pertaining to the field of dentistry.

6. Self-Assessment and Continuation of Learning

Prepare dental hygienists that are equipped with the tools to assess the quality of care they deliver. Students will routinely practice self-assessment and understand the importance of continually monitoring their skills to ensure that each patient is receiving the highest quality of care. Our goal is to develop dental hygienists that understand this field requires life-long learning, and participate in continuing education to remain current in the profession and maintain the ability to deliver a high standard of care.

DEGREE AWARDED

Associate of Applied Science in conjunction with Mountwest Community and Technical College (MCTC). All coursework will be transferrable to other institutions of higher education for continuation in baccalaureate and master’s program.

PROGRAM LENGTH

The A.A.S. in Dental Hygiene is a two-year (5 semester) program.

ADMISSION REQUIREMENTS

**ACT:** Composite score of 21 or above taken within the last three years

**OR**

**WorkKeys Exam:** minimum scores of 5 in math, 4 in locating information, and 5 in reading for information taken within the last three years.

**General Education Courses:**

General education requirements will be completed through MCTC. Courses may transfer from other educational institutions, however 15 credit hours must be taken at MCTC to satisfy the residency requirement. Students wishing to transfer credits from another institution must forward all transcripts to the appropriate body for course equivalency evaluations.
Students must have the following courses completed prior to application:

ENG 111 – Written Communication
BIOL 257 – Introduction to Anatomy and Physiology
CHEM 220 – General Chemistry
MAT 133 – Math for applied Health
AH 151 – Medical Terminology

Students must have completed OR be enrolled in the following courses before beginning dental hygiene courses:

COM 112 – Oral Communication
PSYCH 215 – Lifespan Psychology
SOCI 101 – Fundamentals of Sociology

Students must receive a grade of C or better in all general education courses to be accepted into the dental hygiene program.

Observation Hours:

Students must present evidence of the completion of 16 hours of observation in a dental office at the time of application. A verification form is included in the application packet and must be signed by the dental hygienist the observation hours were completed with.

Student Selection:

The following system will be used when selecting students for admission into the program.

**COLLINS CAREER TECHNICAL CENTER**

**DENTAL HYGIENE PROGRAM**

Points System for Student Selection

<table>
<thead>
<tr>
<th>POSSIBLE</th>
<th>ACTUAL</th>
</tr>
</thead>
</table>

**General Education Courses Completed**

(Grade C or Better)
<table>
<thead>
<tr>
<th>Course</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra</td>
<td>10</td>
</tr>
<tr>
<td>Anatomy and Physiology</td>
<td>10</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>10</td>
</tr>
<tr>
<td>Written Communication (ENG)</td>
<td>10</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>10</td>
</tr>
<tr>
<td>Lifespan Psychology</td>
<td>5</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>5</td>
</tr>
<tr>
<td>Sociology</td>
<td>5</td>
</tr>
<tr>
<td><strong>Overall College GPA (3.0 or better)</strong></td>
<td>20</td>
</tr>
<tr>
<td><strong>ACT Score (21 or better)</strong></td>
<td>20</td>
</tr>
<tr>
<td><strong>WorkKeys Score (5/4/5)</strong></td>
<td>20</td>
</tr>
<tr>
<td><em>Either the ACT or WorkKeys will be considered, not both</em></td>
<td></td>
</tr>
<tr>
<td><strong>Observation Hours</strong></td>
<td>10</td>
</tr>
<tr>
<td><strong>TOTAL POINTS</strong></td>
<td><strong>135 points</strong></td>
</tr>
</tbody>
</table>

**STUDENT NAME:**

There are a limited number of spaces available in the dental hygiene program. In the event that two or more students receive the same scores in the selection process, the student that submitted their application to the program first will be awarded a spot in the class. The CCTC dental hygiene program does not accept students with advanced standing, and does not utilize a waiting list. Students not selected for admission must reapply the following year. Twelve students will be accepted into the program each year.

**PROGRAM CURRICULUM AND SCHEDULE**

*Subject to change at any time*
General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Lecture</th>
<th>Lab/Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 111 – written communication</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>BIOL 257 – introduction to anatomy and physiology</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>CHEM 220 – general chemistry</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>MAT 133 – math for applied health</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>AH 151 – medical terminology</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>COM 112 – oral communication</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>PSYCH 215 – lifespan psychology</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>SOCI 101 – fundamentals of sociology</td>
<td>48</td>
<td></td>
</tr>
</tbody>
</table>

Fall Semester I

<table>
<thead>
<tr>
<th>Course</th>
<th>Lecture</th>
<th>Lab/Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTHY 101 – Dental theory and technique I with lab</td>
<td>48</td>
<td>128</td>
</tr>
<tr>
<td>DTHY 113 – head and neck anatomy and histology</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>DTHY 111 – medical emergencies</td>
<td>80</td>
<td>16</td>
</tr>
<tr>
<td>DT 112 – Oral Microbiology</td>
<td></td>
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</tbody>
</table>

Spring Semester II

<table>
<thead>
<tr>
<th>Course</th>
<th>Lecture</th>
<th>Lab/Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTHY 102 – dental theory and technique II</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>DT 110 – radiology</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>CLIN 102 – clinical dental hygiene II</td>
<td></td>
<td>128</td>
</tr>
<tr>
<td>DT 114 – periodontology</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>DT 215 – Pathology</td>
<td>48</td>
<td></td>
</tr>
</tbody>
</table>

Summer Semester III

<table>
<thead>
<tr>
<th>Course</th>
<th>Lecture</th>
<th>Lab/Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 218 – community/public health</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>DTHY 212 – dental materials</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>CLIN 203 – clinical dental hygiene III</td>
<td></td>
<td>96</td>
</tr>
<tr>
<td>DT214 – advanced periodontology</td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

Fall Semester IV

<table>
<thead>
<tr>
<th>Course</th>
<th>Lecture</th>
<th>Lab/Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTHY 209 – Dental Pharmacology</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>DTHY 210 – dental health education</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>DTHY 213 – special needs and ethics</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>CLIN 204 – clinical dental hygiene IV</td>
<td></td>
<td>192</td>
</tr>
<tr>
<td>DTHY 211 – pain management/local anesthesia</td>
<td>48</td>
<td>48</td>
</tr>
</tbody>
</table>

Spring Semester V

<table>
<thead>
<tr>
<th>Course</th>
<th>Lecture</th>
<th>Lab/Clinic</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTHY 219 - nutrition</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>CLIN 205 – clinical dental hygiene V</td>
<td></td>
<td>192</td>
</tr>
<tr>
<td>DT 217 – NBDHE Prep/Senior Seminar</td>
<td>96</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 2,208
RISK OF EXPOSURE TO BLOODBORNE PATHOGENS

Dental hygiene students will be at an increased risk of exposure to bloodborne pathogens due to the nature of the occupation. Students will regularly come in contact with saliva, blood, and aerosols that create an increased risk of exposure to communicable diseases. Universal precautions and strict infection and exposure control procedures will be adhered to at all times while students, faculty and staff are working in the CCTC dental hygiene clinic. Students must show proof of vaccination against Hepatitis B (through shot records or a titer) before the first day the program. Below is a copy of the institutional bloodborne pathogen policy.

CCTC Bloodborne Pathogens Policy:

BLOODBORNE PATHOGENS

Staff and Students incur some risk of infection and illness each time they are exposed to bodily fluids or other potentially infectious materials. While the risk to staff and students of exposure to body fluids due to casual contact with individuals in the school environment is very low, the Board regards any such risk as serious.

Consequently, the Board directs adherence to universally recognized precautions. Universally recognized precautions require that staff and students approach infection control as if all direct contact with human blood and body fluids is known to be infectious for HIV, HBV and/or other bloodborne pathogens.*

To reduce risk to staff and students by minimizing or eliminating staff exposure incidents to bloodborne pathogens, the Board directs the Superintendent to develop and implement an exposure control plan.

The plan includes bi-annual in-service training for staff and students, first aid kits in each school building and each student transportation vehicle, correct procedures for cleaning up body fluid spills and for personal cleanup.

Training is followed by an offer of immunization with hepatitis B vaccine for all staff who are required to provide first aid to students and/or staff. The vaccine is also offered to all staff who have occupational exposure as determined by the administrator.

[Adoption date: January 24th, 2011]

LEGAL REFS.: 29 CFR 1910.1030

ORC 117.102
*Bloodborne pathogens are pathogenic microorganisms that are present in human blood and can cause disease in humans. These include, but are not limited to, hepatitis B virus (HBV) and human immunodeficiency virus (HIV).

**NON-DISCRIMINATION POLICY**

Collins Career Technical Center complies with federal laws and practices the concept of nondiscrimination in all areas of human and personal relations. The Collins Career Technical Center does not discriminate on the basis of race, color, sex, handicap, political affiliation, religion, or national and ethnic origin in the administration of admission, education policies, curriculum, selection of textbooks, scholarship and loan programs, education opportunities and employment.

The dental hygiene program complies with the non-discrimination polices of Collins Career Technical Center.