

## Certificate Level I Dental Laboratory Technology

## First Semester

Course	Title	Credit Hours
PSYC/EDUC 1100	Learning Framework	1
DLBT 1301	Dental Anatomy and Tooth Morphology	3
DLBT 1305	Dental Materials	3
Elective	Approved by advisor	1
<b>TOTAL</b>		<b>8</b>

## Second Semester

Course	Title	Credit Hours
DLBT 1313	Complete Denture Techniques I	3
DLBT 1317	Fixed Restorative Techniques I	3
DLBT 2341	Dental Ceramic Techniques I	3
DLBT 2101	Introduction to Occlusion/Mandibular Motion	1
Elective	Approved by Advisor	1
<b>TOTAL</b>		<b>11</b>

## Summer

Course	Title	Credit Hours
DLBT 1364 <sup>1-2</sup>	Practicum	3

## Third Semester

Course	Title	Credit Hours
DLBT 2311	Fixed Restorative Techniques II	3
DLBT 2342	Dental Ceramics II	3
DLBT 2319	Intermediate Dental Skill	3
<del>DLBT 2307</del> DLBT 2321	<del>Complete Denture Techniques II</del> Fixed Restorative Techniques III	3
<b>TOTAL</b>		<b>9</b>

## Fourth Semester

Course	Title	Credit Hours
DLBT 2321	Fixed Restorative Techniques III	3
DLBT 1110	Practical Infection Control	1
<b>TOTAL</b>		<b>4</b>
<b>TOTAL HOURS IN CERTIFICATE</b>		<b>37</b>

<sup>1</sup>Capstone Course<sup>2</sup>Internship students must provide their own transportation to internship sites.

Since most DLT students will take less than a full load of courses their last semester, DLT students will obtain special permission from the SWCID Dean of Students for dorm and cafeteria privileges during their last semester in the DLT program. **Completion of EDUC 0300 required prior to graduation.**

**Additional Fees for Certain Courses or Services**

Dental Hygiene Liability Insurance (per semester)	10.00
Dental Hygiene Clinical Fee (per semester)	15.00
Dental Hygiene Board Review Fee, per course (DHYG 2361, 2362)	200.00
Dental Hygiene <del>Typical</del> <b>Clinical Rotation</b> Tracking Fee (DHYG 1331)	75.00
Dental Hygiene ADHA dues, <del>per course (DHYG 1331, DHYG 2361)</del> <b>(optional)</b>	65.00
<b>Dental Hygiene CES Online Review, per course (DHYG 1331, 1261, 2361, 2362)</b>	<b>25.00</b>

**Associate of Applied Science Dental Hygiene  
First Year/First Semester**

Course	Title	Credit Hours
Humanities/Fine Arts	Choose from core curriculum	3
DHYG 1301	Orofacial Anatomy & Embryology	3
DHYG 1331	Preclinical Dental Hygiene	3
DHYG 1304	Dental Radiology	3
	<b>TOTAL</b>	<b>12</b>

**First Year/Second Semester**

Course	Title	Credit Hours
ITSC 1309 <sup>3</sup> OR BCIS/COSC Elective	Integrated Software Applications I OR Computer Science Elective	3
DHYG 1207	General and Dental Nutrition	2
*DHYG 1227	Preventive Dental Hygiene Care	2
*DHYG 1319	Dental Materials	3
*DHYG 1261	Clinical	2
DHYG 1235	Pharmacology for the Dental Hygienist	2
DHYG 1211	Periodontology	2
	<b>TOTAL</b>	<b>14</b>

**Summer Session**

Course	Title	Credit Hours
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
	<b>TOTAL</b>	<b>6</b>

**Second Year/Third Semester**

Course	Title	Credit Hours
DHYG 1215	Community Dentistry	2
*DHYG 2201	Contemporary Dental Hygiene Care I	2
DHYG 1211 1235	Periodontology Pharmacology for the Dental Hygienist	2
DHYG 1339	General and Oral Pathology	3
*DHYG 2361	Clinical	3
	<b>TOTAL</b>	<b>12</b>

**Second Year/Fourth Semester**

Course	Title	Credit Hours
*DHYG 2231	Contemporary Dental Hygiene Care II	2
DHYG 2253	Dental Hygiene Practice	2
*DHYG 2362	Clinical	3
*DHYG 1291	Special Topics in Dental Hygiene	2
SOCI 1301	Introductory Sociology	3
	<b>TOTAL</b>	<b>12</b>
	<b>TOTAL HOURS IN AAS DEGREE (including Prerequisites)</b>	<b>72</b>

\*Co-requisite courses Courses marked with \* are considered co-requisite courses. Please see Dental Hygiene Student Policies regarding co-requisite course guidelines.

**English Language Program (ELP)****Continuing Education (CEU)**

—SWCID is designed to provide full time instruction in English as a Second Language to qualified Deaf and Hard of Hearing American and International students. With the comprehensive and intensive curriculum aimed at developing students abilities in and knowledge of English, Deaf Culture, American Culture and American Sign Language, they will gain the level of proficiency necessary for undergraduate and graduate level studies in the United States or enhance their employment possibilities.

**Objectives:**

—The primary objective of the ELP is to assist students who want to improve their English Language skills to the level whereby they can function in a rigorous academic environment. The ELP will provide instruction with the highest quality faculty. Our priorities include:

1. To provide the highest quality instruction
2. Enable students to enroll in academic programs within the shortest possible time
3. Instill confidence necessary for effective use of English in both academic and social settings.

—The college employs professionally trained instructors and continually reviews and updates our curriculum to be congruent with the most effective methods in providing Deaf and Hard of Hearing students ESL instruction to ensure that they benefit exponentially.

—The ELP strictly limits class size in order to maximize the impact of instruction and supervision of students. Class placements are determined based on an assessment of English language proficiency at the time of admission.

**Admissions:**

—Applicants must have completed secondary school and be 18 years of age or older. An application must be completed and the following documentation provided:

- Copy of official high school and college transcripts, GED or equivalent
- Non-refundable \$100 application fee in U.S. currency
- Copy of most recent audiogram
- Two letters of character reference from a teacher and any other person except a relative
- Certificate of funds form and proof of funds in the form of a bank statement or letter, of scholars from their sponsoring agent.

—Note: Admission to the ELP does not constitute admission to SWCID.

### Workforce Training Certificates and Awards

The HVAC/R program at Howard College is designed to prepare the student to seek a Texas State License in the HVAC/R field. If a potential student has been convicted of a felony, he or she will be required to complete the Texas Department of Licensing and Regulation (TDLR) Criminal History Evaluation Letter before acceptance in the HVAC/R program. <http://www.license.state.tx.us/crimHistoryEval.htm> Prior to enrollment in the Internship Program all students will be required to complete a background check and drug screen.

#### Marketable Skills Achievement Award-Energy Systems

Course	Title
CNBT 1001	Introduction to Construction Industry
CETT 1002	Electricity Principles
WIND 1000	Introduction to Wind Energy

#### Marketable Skills Achievement Award-Welding Basics

Course	Title
CNBT 1001	Introduction to Construction Industry
WLDG 1021	Welding Fundamentals
WLDG 1028	Introduction to Shielded Metal Arc Welding (SMAW)

#### Marketable Skills Achievement Award-Advanced Welding

Course	Title
WLDG 1030	Introduction to Gas Metal Arc Welding (GMAW)
WLDG 1017	Introduction to Layout and Fabrication
WLDG 1006	Introduction to Gas Tungsten Arc Metal

#### Marketable Skills Achievement Award-Electrical

Course	Title
CNBT 1001	Introduction to Construction Industry
CETT 1002	Electricity Principles
CETT 1009	DC-AC Circuits

#### Marketable Skill Award-Industrial Production Technology-HVAC Specialization

Course	Title
CNBT 1001	Introduction to Construction Industry
HART 1001	Basic Electricity for HVAC
HART 1003	Air Conditioning Control Principles
HART 1007	Refrigerator Principles
HART 1041	Residential Air Conditioning

#### Marketable Skill Award-Industrial Production Technology-Residential HVAC

Course	Title
CNBT 1001	Introduction to Construction Industry
HART 1045	Gas and Electric Heating
HART 2049	Heat Pumps
HART 2045	Residential Air Conditioning Systems Design

HART 2001	Air Conditioning and Refrigeration Codes
OSHT 2011	Occupational Safety and Health Management

**Marketable Skills Award-Industrial Production Technology-  
Advanced Heating Ventilation Air Conditioning/Refrigeration (HVAC/R)**

Course	Title
CNBT 1001	Introduction to Construction Industry
HART 2031	Advanced Electricity for HVAC
HART 2034	Advanced Air Conditioning Controls
HART 2041	Commercial Air Conditioning
HART 2042	Commercial Refrigeration

### Heating Ventilation Air Conditioning (HVAC) Specialization

The HVAC/R program at Howard College is designed to prepare the student to seek a Texas State License in the HVAC/R field. If a potential student has been convicted of a felony, he or she will be required to complete the Texas Department of Licensing and Regulation (TDLR) Criminal History Evaluation Letter before acceptance in the HVAC/R program. <http://www.license.state.tx.us/crimHistoryEval.htm> Prior to enrollment in the Internship Program all students will be required to complete a background check and drug screen.

#### Certificate Level I Industrial Production Technology – Introduction to Heating Ventilation Air Conditioning (HVAC)

Course	Title	Credit Hours
CNBT 1301	Introduction to Construction Industry	3
HART 1401	Basic Electricity for HVAC	4
HART 1403	Air Conditioning Control Principles	4
HART 1407	Refrigerator Principles	4
HART 1441	Residential Air Conditioning	4
<b>TOTAL</b>		<b>19</b>

#### Certificate Level I Industrial Production Technology – Residential HVAC

Course	Title	Credit Hours
CNBT 1301	Introduction to Construction Industry	3
HART 1445	Gas and Electric Heating	4
HART 2449	Heat Pumps	4
HART 2445	Residential Air Conditioning Systems Design	4
HART 2401	Air Conditioning and Refrigeration Codes	4
<b>TOTAL</b>		<b>19</b>

#### Certificate Level II Industrial Production Technology – Advanced Heating Ventilation Air Conditioning/Refrigeration (HVAC/R)

Note: Includes both Level 1 Certificate courses with the addition of the following:

Course	Title	Credit Hours
CNBT 1301	Introduction to Construction Industry	3
HART 2431	Advanced Electricity for HVAC	4
HART 2434	Advanced Air Conditioning Controls	4
HART 2441	Commercial Air Conditioning	4
HART 2442	Commercial Refrigeration	4
HART 2288	Internship (160 hours)	2
<b>TOTAL</b>		<b>21</b>

**Laboratory Fees**

Industrial Production Technology, all courses with labs CETT, ELPT, ENTC, HYDR, INMT, INTC, OSHT, PTAC, HART	20.00
Surgical/Operating Room Technician, Surgical Technology SRGT-1405-1505, 1409, 1441, 1442	20.00



## **Radiologic Technology**

(Note A criminal background clearance is required before acceptance into this program and a 10 panel drug screening is required prior to clinical and periodically throughout the program.)

This program is based at the San Angelo campus.

Howard College offers an Associate of Applied Science program in Radiologic Technology. Graduates of this program are eligible to take the American Registry of Radiologic Technologists Examination. Individuals who pass this examination are awarded the certification credential. This program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

### **Application Process**

Interested individuals must attend a Health Professions Orientation as the first step in the application process. The initial meeting will determine applicant options and set a time line for completing acceptance requirements. The program begins each fall with class selection made in July. All applicants must have fulfilled admissions criteria by the June 1st application deadline.

### **Admission Criteria**

1. College entrance exam passing test scores are required in order to gain entrance into academic courses.
2. Successfully completed the required support courses (Anatomy and Physiology I and II and Math 1314 or Math 1332).
3. Applicant must attend a Howard College Health Professions Orientation.
4. A physical examination (completed after January 1 of the year of admission).
5. Applicant must provide proof of immunizations required by the Texas Health Department, Rule 97.64. Additional immunizations may be required by some clinical facilities.
6. Successful clearance of criminal background investigation.
7. An application to the Radiologic Technology Program must be submitted to the Howard College Health Professions Division by June 1 along with an official transcript indicating high school graduation or proof of GED and an official transcript from each college/university attended.
8. Results of ~~PSB~~ **HOBET** test submitted.
9. Completion of personal interview and observation are part of the selection process

## Respiratory Care

(Note: A criminal background clearance is required before acceptance into this program and a 10 panel drug screening is required prior to clinical and periodically throughout the program.) This program is based at the San Angelo Campus.

Respiratory Care Practitioners (RCPs) assist in the diagnoses and treatment of diseases of the heart and lungs as well as provide respiratory support for patients suffering from many other types of disease. Their practice includes patients from all age groups. They may work in hospitals, nursing homes, clinics, or the patient's home. They are becoming increasingly involved in specialty areas such as air and ground ambulance, patient education, rehabilitation, and intensive care of infants and children. Howard College offers an Associate of Applied Science program in Respiratory Care. Graduates of this program are eligible to take the National Board for Respiratory Care Entry Level and Advanced Level Examination. Individuals who pass this examination are awarded the Certified Respiratory Therapist (CRT) credential. Once the CRT credential is earned, graduates may take the NBRC Written Registry and Clinical Simulation exams. Candidates who pass these exams earn the Registered Respiratory Therapist (RRT) credential. This program is accredited by the Commission on Accreditation for Respiratory Care (CoARC).

### Application Process

Interested individuals should attend a Health Professions Orientation as the first step in the application process. The initial meeting will determine applicant options and set a time line for completing acceptance requirements. The program begins each fall with class selection made by July 15. All applicants must have fulfilled admissions criteria by the class selection date.

### Admission Criteria

1. College entrance exam passing test scores are required in order to gain entrance into academic courses.
2. Successfully completed the required support courses (Anatomy and Physiology I and II and Math 1314 or Math 1332). If enrolled in these courses in summer, applicant must furnish proof of enrollment.
3. Applicant must attend a Howard College Health Professions Orientation.
4. A physical examination (must be completed after acceptance into program and prior to first day of class).
5. Applicant must provide proof of immunizations required by the Texas Health Department, Rule 97.64. Additional immunizations may be required by some clinical facilities.
6. Successful clearance of criminal background investigation.
7. An application to the Respiratory Care program must be submitted to the Howard College Health Professions Division by June 1 along with an official transcript indicating high school graduation or proof of GED and an official transcript from each college/university attended (including Howard College, if attending, by the end of the first summer session).
8. Results of PSB HOBET test.
9. Upon selection, completion of personal interview and minimum of four hours of observation with a therapist.

**SRGT ~~1405~~ 1505 Introduction to Surgical Technology**

**Four ~~Four~~ Five semester hours .....(3-3-4)**

Orientation to surgical technology theory, surgical pharmacology and anesthesia, **technological sciences**, and patient care concepts.