

Dental Hygiene 2008-2009

The Dental Hygiene curriculum is designed to prepare graduates for positions in general and specialty dental offices, hospitals, schools, public health agencies and industrial agencies.

Students are trained in educational methods and preventive clinical services which qualify them as dental health educators and competent clinicians. Emphasis is placed on the correlation between prevention, education, and the clinical phases of dental hygiene practice, as well as basic and social sciences.

The Dental Hygiene program is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council of Postsecondary Accreditation and the United States Department of Education.

Location: Ankeny

Program Entry Requirements

Complete an application. Attend a Dental Hygiene program information session. Provide proof of high school graduation or GED completion. Complete required COMPASS testing obtaining satisfactory scores in reading (81 or above) and writing (70 or above) or ACT scores in Reading (19 or above) and English (19 or above). Complete the following courses with a grade of C (not C-) or better in each:

1. BIO 164 Essential Anatomy/Physiology
OR BOTH BIO 733 Health Science Anatomy AND
BIO 734 Health Science Physiology
2. CHM 122 Introduction to General Chemistry
3. BIO 187 Microbiology w/lab OR BIO 732 Health
Science Microbiology

When transferring equivalent courses to DMACC, an official transcript must be sent to the Admissions Office as courses are completed.

Wait List Processing:

Position on the Wait List will be determined by the number of support courses completed. CHM 132 Introduction to Organic/Biochemistry, PSY 111 Introduction to Psychology, SOC 110 Introduction to Sociology, ENG 105 Composition I, SPC 101 Fundamentals of Oral Communication OR SPC 126 Interpersonal & Small Group Communication.

When there is no completion of any remaining support courses for three years from the date the student's name went on the Wait List, the applicant will be deleted from the list.

Graduation Requirements

To earn a Dental Hygiene AAS degree, a student must successfully complete all dental hygiene and liberal arts support courses required in the curriculum, achieving a grade of "C" (not C-) or better in each course. In order to progress to the next term of the Dental Hygiene program, all required courses in the current term must be completed with a grade of "C" or better.

Note: Criminal background checks will be completed on each student. Criminal convictions or documented history of abuse may prevent students from participating in clinical experiences. Students who do not participate in clinical education will be unable to complete the program.

PROGRAM INFORMATION BRIEF (CONT.)

Term 1-CPR Certification

CHM 132	Intro to Organic/Biochemistry	4
DHY 170	Principles of Dental Hygiene	2
DHY 171	Principles of Dental Hygiene Pract	3
DHY 121	Oral Histology & Embryology	2
DHY 114	Dental Hygiene Anatomical Sciences	4
DHY 161	Oral Radiology	3

Term 2 Select the Option 1 Course or both Option 2 Courses

DHY 181	Dental Hygiene I	2
DHY 182	Clinical Dental Hygiene I	4
DHY 164	Oral Radiology II	2
DHY 141	General & Oral Pathology	3
DHY 232	Nutrition & Preventative Dentistry	Opt 1 4
HCM 236	Human Nutrition	Opt 2 3
DHY 234	Nutrition/Dental Counseling	Opt 2 1

Term 3

DHY 281	Dental Hygiene II	2
DHY 282	Clinical Dental Hygiene II	2
DHY 211	Periodontology	2
DHY 133	Pharmacology	3
PSY 111	Intro to Psychology	3

Term 4

DHY 221	Dental Materials	2
DHY 223	Dental Materials Lab	1
DHY 261	Dental Health Education	3
DHY 291	Dental Hygiene III	2
DHY 292	Clinical Dental Hygiene III	5
SOC 110	Introduction to Sociology	3

Term 5

Select 1 Course from Option 3

DHY 251	Community Oral Health	3
DHY 301	Dental Hygiene IV	2
DHY 302	Clinical Dental Hygiene IV	5
ENG 105	Composition I	3
SPC 101	Fund of Oral Communication	Opt 3 3
SPC 126	Interpersonal & Small Grp Comm	Opt 3 3

Total credits required to complete this program **77**

PROGRAM INFORMATION BRIEF (CONT.)

Fixed Costs

Tuition \$ 107.00 per credit

The costs for each program are estimates and subject to change.

Varied Costs

	Term 1	Term 2	Term 3	Term 4	Term 5
Books (approximate)	617	461	305	160	126
SADHA Dues	50			50	
Uniforms/shoes	105	105			
Personal Protective Equipment	96	75	75	75	75
Instruments	430				55
Magnification Loupes	650-950				
Grad pin					35
Exams and travel expense					1250
Review Courses					510
License Fee					216

Approximate total for the program: \$14,291.00

What Kind of Work Will You Do?

- Collect data, organize information, and develop patient care plan for dental hygiene services.
- Counsel patients in areas of prevention and treatment of dental diseases.
- Provide direct patient services such as removal of stains and deposits from teeth, x-rays, fluoride, and sealants under the general supervision of a dentist.
- Keep accurate patient records.
- Design and implement dental health education programs in community settings.

What Skills and Abilities Will You Need?

- Participate in continuing education activities to promote lifelong learning.
- Use empathy and understanding when relating to people with varied socioeconomic backgrounds and health status.
- Make decisions and work cooperatively with members of the dental team and allied health community.
- Demonstrate leadership skills through student organizations and professional association activities.
- Communicate effectively with persons of diverse backgrounds in a variety of treatment settings.
- Ability to be a self starter and initiate and complete tasks under general supervision.

What Else Should I Consider about this Program or Career Choice?

- Centers for Disease Control and the Healthcare Infection Control Advisory Committee's Guidelines for Infection Control in Dental Health-Care settings - 2003 is applied in all aspects of delivery of care and is available upon request.
- Medical/Dental examinations and immunizations are required.
- Take general education and basic science courses prior to program entry.
- Be aware that program costs are higher in the first and last terms.
- Students should not work more than 16 hours per week, as homework and required activities are demanding.
- Plan ahead to avoid conflicts between personal responsibilities and program demands. A support system is essential.
- Current CPR certification is required prior to program entry and must be maintained for the remainder of the program. (American Heart Association BLS for Healthcare Providers program or Red Cross for Professional Rescuer).
- Baccalaureate degree completion in dental hygiene is available at four year colleges which offer dental hygiene completion and accept DMACC transfer credit.
- Applicants for licensure are asked if they have ever been charged, convicted, found guilty of, or entered a plea of guilty or no contest to a felony or misdemeanor crime. A prior criminal history, activity or record can be grounds for license or registration denial. Also, habitual use of drugs or intoxicants, or habitual intoxication or addiction to drugs can also be grounds for license or registration denial.
- Average Starting Salary \$52,406 based on 36-hour week (2006-2007 Placement Report)

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RECOMMENDED HIGH SCHOOL COURSES:

Algebra, Biology, Chemistry, Anatomy & Physiology, Computer Skills

Iowa Core Performance Standards for Health Care Career Programs

Iowa Community Colleges have developed the following Core Performance Standards for all applicants to Health Care Career Programs. These standards are based upon required abilities that are compatible with effective performance in health care careers. Applicants unable to meet the Core Performance Standards are responsible for discussing the possibility of reasonable accommodations with the designated institutional office. Before final admission into a health care program, applicants are responsible for providing medical and other documentation related to any disability and the appropriate accommodations needed to meet the Core Performance Standards. These materials must be submitted in accordance with the institution's ADA policy.

Capability	Standard	Some Examples of Necessary Activities (Not All Inclusive)
Cognitive-Perception	The ability to perceive events realistically, to think clearly and rationally, and to function appropriately in routine and stressful situations.	<ul style="list-style-type: none"> Identify changes in patient/client health status Handle multiple priorities in stressful situations
Critical Thinking	Critical thinking ability sufficient for sound clinical judgment situations	<ul style="list-style-type: none"> Identify cause-effect relationships in clinical Develop plans of care
Interpersonal	Interpersonal abilities sufficient to interact appropriately with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	<ul style="list-style-type: none"> Establish rapport with patients/clients and colleagues Demonstrate high degree of patience Manage a variety of patient/client expressions (anger, fear, hostility) in a calm manner
Communication	Communication abilities in English sufficient for appropriate interaction with others in verbal and written form.	<ul style="list-style-type: none"> Read, understand, write, and speak English competently Explain treatment procedures Initiate health teaching Document patient/client responses Validate responses/messages with others
Mobility	Ambulatory capability to sufficiently maintain a center of gravity when met with an opposing force as in lifting, supporting, and/or transferring a patient/client.	<ul style="list-style-type: none"> The ability to propel wheelchairs, stretchers, etc., alone or with assistance as available
Motor Skills	Gross and fine motor abilities sufficient to provide safe and effective care and documentation.	<ul style="list-style-type: none"> Position patients/clients Reach, manipulate, and operate equipment, instruments, and supplies Electronic documentation/keyboarding Lift, carry, push, and pull Perform CPR
Hearing	Auditory ability sufficient to monitor and assess, or document health needs.	<ul style="list-style-type: none"> Hears monitor alarms, emergency signals, auscultatory sounds, cries for help Hears telephone interactions/dictation
Visual	Visual ability sufficient for observation and assessment necessary in patient/client care, accurate color discrimination.	<ul style="list-style-type: none"> Observes patient/client responses Discriminates color changes Accurately reads measurement on patient/client related equipment
Tactile	Tactile ability sufficient for physical assessment, inclusive of size, shape, temperature, and texture.	<ul style="list-style-type: none"> Performs palpation Performs functions of physical examination and/or those related to therapeutic intervention, e.g., insertion of a catheter
Activity Tolerance	The ability to tolerate lengthy periods of physical activity.	<ul style="list-style-type: none"> Move quickly and/or continuously Tolerate long periods of standing and/or sitting
Environmental	Ability to tolerate environmental stressors.	<ul style="list-style-type: none"> Adapt to rotating shifts Work with chemicals and detergents Tolerate exposure to fumes and odors Work in areas that are close and crowded Work in areas of potential physical violence

Des Moines Area Community College shall not engage in or allow discrimination covered by law. This includes harassment based on race, color, national origin, creed, religion, gender, sexual orientation, age, and disability. Veteran status in educational programs, activities, employment practices, or admission procedures is also included to the extent covered by law. Individuals who believe they have been discriminated against may file a complaint through the College Discrimination Complaint Procedure. Complaint forms may be obtained from the Human Resources Department, the campus Provost's office, or the EEO/AA Officer. Persons who wish additional information or assistance may contact the EEO/AA Officer, Human Resources, Bldg. 1, 515-964-6301. For requests for accommodations, the Accommodation/Section 504/ADA Coordinator can be contacted at 515-964-6857.