

HEALTH & HUMAN SERVICE CAREERS DEPARTMENT
DENTAL HYGIENIST PROGRAM
Associate in Applied Science
Curriculum Code: 0279

GENERAL PROGRAM INFORMATION

Dental Hygienists provide primary preventive oral health care for patients in collaboration with the dentist. They provide educational, clinical, and therapeutic dental hygiene services to the public to help them obtain and maintain good oral and physical health. Clinical skills include performing patient assessments, exposing and processing dental radiographs, applying preventive materials to the teeth, removing calculus and plaque, teaching patients appropriate oral hygiene strategies to maintain oral health, counseling patients regarding good nutrition and tobacco cessation and their impact on oral health, taking dental impressions, and performing office management activities.

Dental hygienists can work as clinicians, educators, researchers, administrators, managers, preventive program developers, consumer advocates, sales and marketing, and as editors and consultants. Clinical dental hygienists may work in a variety of health care settings such as clinics, hospitals, managed care organizations, correctional institutions, or extended care facilities.

The LCC Dental Hygienist Program is taught using small group instruction with experienced and dedicated faculty providing hands-on learning in an on-campus state-of-the-art facility.

The program starts every Fall Semester and continues for two academic years after the student has completed the prerequisite courses.

The program is academically challenging and requires a great deal of time spent on patient recruitment and community activities. Students accepted into the program should expect to spend 3-4 hours studying every evening plus 6-8 hours each weekend. It is strongly suggested that students in the program do not work.

Graduates from the program are eligible to take the written Dental Hygiene National Board Examination and the North East Regional Board (NERB) clinical examination, both of which are required for licensure to practice. In addition, students are eligible to take the NERB Local Anesthesia and Nitrous Oxide examinations.

According to the US Department of Labor Statistics, Dental Hygiene is projected to be one the fastest growing professions through the year 2016. The average expected entry-level salary is \$30.19 per hour.

The LCC Dental Hygienist Program is accredited by the following:

American Dental Association, Commission on Dental Accreditation
211 East Chicago Avenue
Chicago, Illinois 60611

Accredited on: December 11, 1970. Accreditation status of approval without reporting requirements.

PROGRAM GOALS

The Dental Hygienist Program Goals have been designed to incorporate and compliment Lansing Community College's vision and mission. The program goals represent the program mission and philosophy through the three key principles of professionalism, education, and service.

Professionalism:

1. Comprehensively prepare a qualified dental hygienist who is professionally, morally and ethically competent to provide patient-centered dental hygiene care to a diverse population.
2. Promote an active interest and involvement in the professional association.
3. Graduate students who have attained program competencies and will excel in passing all required and optional examinations necessary to obtain professional licensure in Dental Hygiene.

Education:

1. Maintain a selective admission program to ensure a diverse and qualified applicant pool who can integrate biomedical, clinical and behavioral science course content from college core curriculum courses throughout the dental hygiene curriculum.
2. Provide participative classroom/lab instruction, in a respectful and positive environment, through faculty who are competent in advanced teaching methodology, current content knowledge, and use of technology.
3. Sustain a dental hygiene program that promotes state of the art, patient centered dental hygiene practice.
4. Engage students, faculty and staff in ongoing evidence based practices, literature review, professional development and life-long learning.

Service:

1. Serve as a community resource of oral health knowledge, education, and the provision of quality dental hygiene care.
2. Provide faculty and staff with service opportunities to participate in collaborative community health promotion to a diverse population.

PHYSICAL GUIDELINES FOR STUDENTS Students must be able to do:

1. **STRENGTH:** Perform physical activities requiring ability to push/pull objects/persons more than 50 pounds and possess hand-arm strength to control manual and power hand instruments and tools.
2. **MANUAL DEXTERITY:** Perform complex motor skills such as writing, typing; manipulative skills with fine instruments and devices, calibration of equipment. Have not impairment of the use of a foot, let, hand, fingers, or arm, and no other structural defect of limitation, which may interfere with the ability to control and safely operate medical/dental devices and instruments.
3. **COORDINATION:** Perform body coordination such as walking, filing, retrieving equipment; eye-hand coordination and arm-hand steadiness (i.e., use of hand instruments, taking blood pressures, calibration of instruments and equipment).
4. **MOBILITY:** Perform mobility skills such as walking, standing, prolonged standing or sitting in occasionally uncomfortable positions or very small spaces (i.e., 2 feet by 4 feet spaces).
5. **VISUAL ABILITY:** See objects far away, very close, and to discriminate fine detail and colors, and to see objects closely as in reading faces, dials, monitors, etc.
6. **HEARING:** Hear normal sounds with background noise and to distinguish sounds (i.e., pulse with sphygmomanometer, percussion of teeth, TMJ - temporomandibular joint - clicking/popping).
7. **TACTILE ABILITY:** Demonstrate tactile abilities sufficient to make physical assessments of soft and hard tissues (i.e., perform palpation, functions of physical assessments and oral examinations, functions related to therapeutic intervention).
8. **CONCENTRATION:** Concentrate on details with moderate amount of interruptions (i.e., patient and co-worker requests, alarms, equipment noise).
9. **ATTENTION SPAN:** Attend to task/functions that require up to 60 minutes in length and handle a variety of tasks for periods up to 8 hours. No mental, nervous, organic or functional disease or psychiatric disorder likely to interfere with the ability to coordinate treatment planning; work with other health care professionals and patients; coordinate treatment procedures; and safely operate medical/dental devices and instruments.
10. **CONCEPTUALIZATION:** Understand and relate to specific ideas, concepts, and theories generated and simultaneously discussed and implemented. Apply theory to a clinical situation.

11. **MEMORY:** Remember task/assignments given to self and others over both short and long periods of time (i.e., information gathered in assessing patients).
12. **CRITICAL THINKING:** Ability critical thinking ability sufficient for clinical judgment Identify cause-effect relationships in clinical situations and develop and implement treatment/care plans.
13. **INTERPERSONAL:** Demonstrate interpersonal abilities to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds. Establish rapport with patients and colleagues.
14. **COMMUNICATION:** Communicate sufficiently for interaction with others in verbal and written form. Explain treatment procedures, initiate health teaching, document, and interpret health care actions and patient responses.
15. **SUBSTANCE ABUSE:** No current clinical diagnosis of alcoholism and must not use Schedule 1 drugs or other substances such as amphetamines, narcotics, or any other habit-forming drug except those substances or drugs prescribed by a licensed medical practitioner who is familiar with the individual's medical history and assigned duties and who has advised the individual that the prescribed substance or drug will not adversely affect the individual's ability to safely practice these health professions.
16. **STRESS:** Work with patients who may be very young or old, critically ill or injured, or mentally or physically deficient/impaired; work with a constantly changing group of staff and resident physicians, medical students, etc.

ENVIRONMENTAL CONDITIONS-UNIVERSAL PRECAUTIONS

Upon acceptance into the Dental Hygiene Program students will be notified regarding a mandatory online OSHA Blood-Borne Pathogen and Universal Precautions training session.

The charter of OSHA (Occupational Safety and Health Administration) is to prevent work-related injuries, illnesses, and deaths. Since OSHA was created in 1971, work-related deaths have decreased by approximately 62% and work-related injuries have decreased by 42%.

As a Dental Hygiene student you can expect exposure to blood, body tissues, and fluids. There is the potential of exposure to electrical hazards, hazardous waste materials, radiation, poisonous substances, chemicals, loud or unpleasant noises and high stress emergency situations. Students enrolled in the Dental Hygiene Program are at a slight risk for exposure to blood and body fluids and the potential does exist for transmission of blood-borne and other infectious diseases during patient care activities. The risk of HIV disease transmission from dental patients to members of the dental team is extremely low. Nevertheless, there is some small potential for this to occur. The Americans with Disabilities Act forbids discrimination against patients with HIV; therefore, students are required to treat all patients assigned, regardless of the disease state of the patient.

Applicants/students who are HIV/AIDS or HBV (Hepatitis) positive will not be barred from working, teaching, attending classes or participating in college sponsored activities, unless the applicant/student is unable to follow *Standard Precautions. All decisions will be made on a case-by-case basis. (*Standard Precautions are defined as: Consideration of all patients as being infected with pathogens and therefore applying infection control procedures to the care of all patients.)

CRIMINAL BACKGROUND CHECK- Admission to the Dental Hygienist Program will be denied if an individual is precluded from proving clinical privileges due to a criminal record pursuant to MCL 333.20173a.

Students may be denied admission to or continuation in the Dental Hygiene programs for any of the following reasons:

- A. Physical or emotional health, which indicates impairment in ability to provide safe care to the public.
- B. Conduct not in accordance with the standards of a registered dental hygienist:
 1. has given false information or has withheld material information;
 2. has been convicted of or pleaded guilty or nolo contendere to any crime which indicated the individual as unfit or incompetent to practice, or that the individual has deceived or defrauded the public;
 3. has used any drug to a degree that interferes with his or her fitness to practice dental hygiene;
 4. has engaged in conduct which endangers the public health.

SELECTIVE ADMISSION REQUIREMENTS

May 1, 2010 Application Deadline

This is a selective admission program. In order to be considered as a candidate for this program, students must meet basic admission requirements beyond those required for admission to the College. Many of the courses for this program are open only to students officially admitted to the Dental Hygiene Program.

For more information the applicant is encouraged to visit the program website at www.lcc.edu/dental and is highly encouraged to contact the Dental Hygienist Program at 517-483-1457 for specific Dental Hygienist Program advising.

All admission procedures are coordinated through the Enrollment Services Office, which has responsibility for distributing, receiving, and dating application forms. Therefore, any student desiring admission into this program should contact the Enrollment Services Office, (517) 483-1200, Gannon Building-Room 203, or email selective_admissions@lcc.edu to receive an application. The student may then contact the program advisor for further information.

Students meeting basic admission requirements will be ranked for admittance into the program using a point value system. Points will only be awarded to students who meet the basic admission requirements at the time selection for students for admission is made.

The student applicant is responsible for providing verification of other information not contained in the current Lansing Community College official transcript.

PHASE I - ADMISSION REQUIREMENTS

1. Submit completed application to Selective Admissions by May 1 for Fall selection. Applications are held on file for 1 year only; after that time a new application must be submitted.
2. Complete all LCC requirements for admission www.lcc.edu/enrollment/
3. Attend an orientation session (visit the Dental Hygiene web page for times and dates)
4. All transcripts from other colleges and universities must be received by the selective admissions office by May 15th in order to be considered for Fall admission.
5. *Complete the following prerequisite courses with a minimum 2.5:
 - BIOL 145 or BIOL 201 *and* 202
 - BIOL 203
 - CHEM 120
6. Complete the prerequisite math course, MATH 112, with a minimum grade of 2.0.

*Additional points awarded for completion with a minimum of 2.0: Writing or English Core; SOCL 120; SPCH 110, 120 or 130; PSYC 200; MATH 121; and BIOL 204, no repeat of courses, post-secondary degree, dental office experience, completion of an ADA Accredited Dental Assisting Program, and residency. Students must meet LCC Math Core Requirements.

Students should contact the Dental Hygienist Program Office for the most current information regarding Selection Criteria.

DENTAL HYGIENE SELECTION CRITERIA WORKSHEET – 2010

Student Name: _____ Student #: _____ Phone: _____
 Address: _____ E-mail Address: _____

<input type="checkbox"/> Attend 1 DH orientation, ck web pg for dates <input type="checkbox"/> Has attended 1 DH orientation	Admission Ranking	<input type="checkbox"/> Meet with Professor Kohlmann	Points Possible	Points Award
Residency (Points based on student's residency status at the start of spring semester of the year of application. See http://www.lcc.edu/schedule/pdfs/8_steps_brochure.pdf for residency policy.)				
Residency within LCC district			10	
All others (out-of-district, out-of state, and international)			5	
Work Experience – Dental Assisting				
2+ years of 20+ hrs weekly employment, or graduate from Accredited Dental Assisting Program. Experience must be within the last 10 years of close of admission. Documentation of experience and/or Copy of Certificate from DA Program must be on file by May 1 st			6	
208 hours employment within 1 calendar year. Experience must be within the last 5 yrs of close of admission. Documentation must be on file by May 1 st			3	
Post Secondary Degree				
Bachelor Degree or above			4	
Associate Degree			3	
Required Prerequisite Courses*: Must be completed to be considered for admission. A 2.5 or above grade in each prerequisite science course is required for the following courses.				
Points will be awarded for the prerequisite courses according to this scale:		Grade	Points	
		4.0	16	
		3.5	14	
		3.0	12	
		2.5	10	
BIOL 145 or BIOL 201* and BIOL 202*		145		
Note: If taking BIOL 201 and BIOL 202 the grades will be averaged for points. A minimum 2.5 is still required in each course. *Students who wish to transfer Anatomy & Physiology, as university/college credits should check with an academic advisor, or the institution of choice, for transfer advice.		201	average	
		202		
BIOL 203				
CHEM 120 (Other Chemistry may be substituted on approval of program director. Course(s) must have content in chemistry and biochemistry)				
MATH 112 A 2.0 or above grade is required, or demonstration of MATH 112 proficiency.			Comp/ min 2.0	Yes No
Points for the following General Education Required and Other Courses (Not required) courses will be awarded according the this scale:		4.0	5	
		3.5	4	
		3.0	3	
		2.5	2	
		2.0	1	
General Education Required Courses: Must be completed prior to graduation. These are LCC Core Courses that are required for graduation in Dental Hygiene. They may be taken prior to, or after, admission to the program. A 2.0 minimum grade in each course is required.				
Writing Core (WRIT 121, 122, 124, 127, 131, 132, or ENGL 122, 132)				
Speech (SPCH 110, 120, 130)				
SOCL 120 (If core is met, a higher level course may be substituted)				
Other Courses: Not required. Course may be taken to gain points for the selective admission process. A 2.0 minimum grade in each course is required.				
BIOL 204*				
PSYC 200				
MATH 120 or higher				
Repeat of courses listed above? If no repeat, 2 points will be awarded.			Repeat No repeat	2
* All science courses must be completed within 5 years of the DH program admission deadline or be accepted by individual review of the records.			Total Points:	
Note: No repeat of courses, GPA of required science courses, and GPA and number of higher level math and other science courses will be used as tie breakers.				
Transcripts from colleges submitted and evaluated: <input type="checkbox"/> Submit transcripts as soon as possible <input type="checkbox"/> Submit transcripts upon completion of spring semester: <i>must be received by May 15th to be considered for fall admission</i>				Yes/No
Student Qualified for Admission Considerations <input type="checkbox"/> Has Submitted SA App. <input type="checkbox"/> Submit SA App. prior to May 1st				Yes/No

Upon admission to the DH Program, an approximately \$2,000.00 Instrument Kit Fee is due on or about July 1st

NOTE: All official records, transcripts (high school and college), documentation of work experience, completed Selective Admission application, and other required student information regarding dental hygiene admission must be sent to Enrollment Services Office, ATTN: Selective Admissions. Deadline for submission and application is May 1st, yearly. The final determination of points is made by Selective Admissions; therefore, your records must be complete in the Selective Admission Office. Files that are incomplete at the time of selection will not be considered.

MASTER CURRICULUM INFORMATION - 76 Credits

<u>COURSE CODE & TITLE</u>	<u>CREDITS</u>
Prerequisite Courses: (2.5 minimum)	
BIOL 145 (BIOL 201 & 202 accepted+)	4-8
Math Core; BIOL 203 ++	3-7
CHEM 120	4
Fall (first year)	
DENT 140 Oral Histology/Embryology	2
DENT 142 Preclinical DH	3
DENT 144 Preclinical DH Practice	2
DENT 146 Head, Neck & Oral anatomy	4
DENT 148 Dental Radiography	3
Spring (first year)	
DENT 152 Dental Hygiene I	2
DENT 154 Clinical DH I	2.5
DENT 156 Nutrition	3
DENT 158 Dental Pharmacology I	3
DENT 160 Oral Pathology	3
Writing Core ++	3-4
Summer (first year)	
DENT 174 Clinical DH II	1
DENT 176 Dental Materials & Methods	3
Fall (second year)	
DENT 240 Anxiety & Pain Control Management	3
DENT 242 Dental Hygiene III	2
DENT 242 Clinical DH III	3.5
DENT 246 Principles of Periodontics	3
DENT 248 Dental Public Health & Edu	3
SPCH 110, 120 or 130 ++	3
Spring (second year)	
DENT 250 Oral Health Psychology	2
DENT 252 Dental Hygiene IV	2
DENT 254 Clinical DH IV	3
DENT 256 Community Oral Health	2
DENT 280 Testing Styles and Inventories (optional)	2
SOCL 120 ++	4

- + BIOL 201 and 202 suggested for college transferability
- ++ BIOL 204, PSYC 200, SPCH 110, 120 or 130, SOCL 120, and the Writing Core are not required but additional selection points awarded, strongly suggested courses taken as prerequisites.

COURSE TRANSFERABILITY

Courses taken by the student in the dental hygiene program are transferable to various college and university educational institution. While in the program the student will be presented with degree completion articulation at several institutions. Specifically, Dental Hygiene Bachelor completion programs with the University of Detroit/Mercy and the University of Michigan. Other opportunities for degree completion options in health related areas of study will also be presented to the students.

ESTIMATED COST*

First Year:

Instrument Kits	\$ 1,800.00 - \$ 2,200.00
Tuition and Fees	\$10,200.00 - \$11,000.00
Books	\$ 900.00 - \$ 1,000.00
Miscellaneous Cost**	\$ 200.00 - \$ 400.00

Second Year:

Instrument Kits	\$ 1,000.00 - \$ 1,200.00
Tuition and Fees	\$ 7,900.00 - \$ 8,800.00
Books	\$ 500.00 - \$ 700.00
Board Fees	\$ 925.00 - \$ 1,250.00
Miscellaneous Cost**	\$ 400.00 - \$ 600.00

Total \$23,825.00 - \$27,150.00

* Costs are estimated and may vary yearly. Credit hours, clinical hours, tuition and laboratory fees are subject to change by action of the Board of Trustees.

** Miscellaneous Costs include immunizations, physical, CPR, professional organizations, Board reviews, extramural activities, uniforms, etc.

CURRENT COLLEGE TUITION RATES

(Subject to change by action of the Board of Trustees)

Resident	\$ 73.00/billing hour
Non-Resident	\$ 134.00/billing hour
Out-of State/International	\$ 201.00/billing hour

FACILITIES CHARGE

\$5.00 per Billing Hour

Need More Information?

Lansing Community College
Dental Hygienist Program-3100D
P.O. Box 40010
Lansing, MI 48901-7210
Ph: 517-483-1457 FAX: 517-482-9925
View the Website: www.lcc.edu/health/dental/
Email us: lccd@lcc.edu