Dental Hygiene
Associate in Science
Fall 2016

Program Information and Admission Requirements

Accredited by the Commission on Dental Accreditation of the American Dental Association

Application Deadline: Priority consideration will be given to completed applications (including all requirements and documentation) received by December 4, 2015.

In some cases, students may be conditionally admitted pending successful completion of College Chemistry I or Anatomy & Physiology II with a grade of B or higher.

Special Note Regarding Residency: Non-Massachusetts residents will be admitted on a space available basis only.
Program Description

The Dental Hygiene associate in science degree program is designed to prepare competent dental hygiene professionals, capable of providing quality dental hygiene care in a variety of settings within a changing health care system, and a culturally diverse society. Students gain skills and knowledge required to take the National Dental Hygiene Board and Northeast Regional Board Examinations, and learn to practice in a manner consistent with the highest standards set forth by the ADA/CODA, ADHA, OSHA, CDC and Massachusetts General Laws pertinent to health care provider settings, including the State Dental Practice Act. Service-learning is infused throughout the Dental Hygiene coursework including the clinical courses.

Career and Transfer Outlook:

Dental Hygienists work in a wide variety of settings: private dental practices, public health service agencies, research institutions, sales companies, educational institutions, and the insurance industry.

The present career outlook for clinical private practice is positive and not expected to change in the near future. Careers outside of clinical practice generally require an advanced degree. Transfer to baccalaureate programs is possible.

Standard Skills for Dental Hygiene

The following is a list of standard and/or technical skills required for performing duties in the Dental Hygiene field. These skills are not conditions for admission to the program, but do indicate abilities and characteristics necessary for successful completion of the dental hygiene program, and for the performance of the duties of the career upon graduation.

- Lift, carry and move equipment and supplies of up to ten pounds.
- Comprehend textbook material at the 11th grade level.
- Retrieve dental supplies from storage areas at different heights.
- Stand for a minimum of two hours.
- Sit for up to four hours at a time.
- Walk for a minimum of six hours, not necessarily consecutively.
- Stoop, bend and twist for a minimum of 30 minutes at a time and be able to repeat this activity at frequent intervals.
- Use upper body movements (up to 5 ft.) to grasp, push/pull, reach overhead equipment, and rotate/reach laterally.
- Perform for a prolonged period without breaks, e.g., typical shift of eight hours.
- Manipulate mechanical and patient care equipment, i.e. dials, switches, push buttons, keyboards, syringes, and blood pressure equipment.
- Maneuver in tight quarters common to dental offices.
- Respond to body sounds through stethoscope.
- Demonstrate sufficient manual dexterity with two hands to manipulate instruments with precision and control in the oral cavity without causing damage to tissues.
- Determine by touch: hotness/coldness, wetness/dryness, hardness/softness and demonstrate the ability to palpate oral tissues appropriately.
- Differentiate among subtle shades of gray as seen in radiographs.
- Wear protective equipment such as gloves, face masks, face shields, and protective eye wear.
- Exhibit the visual acuity with or without corrective lenses to identify changes in oral tissues, such as color, texture and shape of tissues
- Initiate and use clear, concise oral English communication within a conversational setting: comprehend and clearly and effectively communicate instructions and information in written, oral and electronic form.
- Respond to requests and directions in a professional manner.
- Gather, analyze, and draw conclusions from data.
- Use appropriately (with appropriate safe guards) some hazardous materials such as dental materials, disinfecting chemicals, radiographic rays, blood and body fluids.
- Maintain cleanliness and personal grooming consistent with close personal contact.
- Exhibit appropriate professional and social skills in all interactions.
- Function without causing harm to self or others.

Submitting a Complete Application

If you meet the admission requirements, the following forms must be submitted by the application deadline of December 4, 2015.

- A signed Admission Requirements Certification Form
- A completed Middlesex Community College Application
- A completed Supplemental Application which consists of a Personal Essay that includes input from an Observation Experience.
- Official College Transcripts (required from all colleges attended, except Middlesex Community College)
- Three health recommendation forms.
Advising is available in our Academic Planning Centers. Academic advising is a valuable service since all applicants are responsible for

Getting Started
Review and follow the Dental Hygiene Admission Requirements Certification Form to ensure that you have met the admission criteria listed below:
- Completion of college level Anatomy & Physiology I and II with a grade of B or higher (83% or higher) within the last five years.
- Completion of College Chemistry I with a grade of B or higher (83% or higher) within the last five years.
- Completion of the Supplemental Application for Dental Hygiene Applicants, which consists of a Personal Essay that includes input from an observation experience.
- Receive a minimum placement test reading score above 75, placement above or completion of MAT 080 or completion of Preparation for College math, and eligibility for ENG 101.
- Submission of three Health Recommendation Forms. It is recommended that at least two Health Recommendation Forms be requested from individuals who can evaluate the applicant’s performance in a work or classroom setting.
- Attendance at a Dental Hygiene Information Session is strongly encouraged.

Admission Information
Middlesex Community College currently accepts 32 students each fall into the Dental Hygiene Program. Admission to the program is selective.

The admission committee will review applications in their entirety. In addition to the admission requirements listed above, successful applicants will have documented success in science courses. Academic history will also be considered and students are required to have a minimum cumulative 2.5 GPA.

Non-Massachusetts residents will be admitted on a space available basis only. All Dental Hygiene classes are held during the day at Middlesex Community College’s Lowell campus.

Requirements After Admission to Dental Hygiene
- Students must submit the Student Health Record form, provided by Middlesex Community College, to the Center for Health & Wellness. Required documentation of health status includes a completed physical examination, a two-step Mantoux (TB/PPD) skin test or blood test (T-Spot or Quantiferon Gold) for tuberculosis, a color deficiency test, proof of immunization against Measles, Mumps, Rubella, Hepatitis B, Varicella, and one lifetime dose of TDAP (Tetanus/Diphtheria/Acellular Pertussis – after 2006).
- Earn and submit a current certification in CPR at the Health Care Provider-level, which includes a hands on skill portion (offered monthly at MCC), which is valid for the entire academic year and renewed annually.
- Students are expected to attend registration & orientation programs in the summer before classes begin.
- Students are required to purchase dental instruments, supplies, uniforms, and professional books.
- Students must maintain a grade of C or better in all courses to remain in the program.
- Science courses must be taken within 5 years of entrance to the program to be accepted for credit toward the Dental Hygiene degree.
- Students enrolled in the Dental Hygiene program must demonstrate a satisfactory level of performance in clinical settings in order to remain in the program. See Academic Catalog for additional information.
- Students are responsible for providing patients for their clinical experience.
- To obtain licensure after graduation, students must take National, Regional and State licensure examinations which require additional separate fees.
- Students will be asked to complete a CORI (Criminal Offender Record Information) and SORI (Sex Offender Registry Information) check. The results of these checks may impact the student's ability to participate in clinical courses.

Criminal Offender Record Information and Sex Offender Registry Information Checks
In order for a student to be eligible to participate in an academic, community or clinical program that involves potential unsupervised contact with children, the disabled, or the elderly, the student may be required to undergo a Criminal Offender Record Information (CORI) check and/or a Sex Offender Registry Information (SORI) check. Students found to have certain criminal convictions or pending criminal actions will be presumed ineligible to participate in such activities. The College is authorized by the Commonwealth’s Criminal History Systems Board, pursuant to Massachusetts General Laws, Chapter 6, Sections 167-178B, to access CORI records. The College shall refer to regulations issued by the Commonwealth’s Executive Office of Health and Human Services, 101 Code of Massachusetts Regulations 15.00-15.16, as guidance when assessing student CORI records. Sex Offender checks shall be performed pursuant to Massachusetts General Laws, Chapter 6, Sections 178C-178P.
For more information regarding the College’s CORI/SORI check process, please contact MCC’s Human Resources Department at 781-280-3532.

Services Available to Middlesex Community College Students
Advising is available in our Academic Planning Centers. Academic advising is a valuable service since all applicants are responsible for fulfilling the precise requirements of the program in order to be considered for admission. Advising appointments may be made by calling 1-800-818-3434.

Students are encouraged to apply for Financial Aid to help meet the expenses of attending college. The Financial Aid Office packages awards for each student, based upon the student’s eligibility and financial need, fund restrictions and fund availability. General information is available at the Student Information Centers, or by calling the Financial Aid Offices in Bedford 781-280-3650 or Lowell 978-656-3242.
### Dental Hygiene Associate in Science Program Requirements

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Number</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>Concepts in Dental Hygiene I</td>
<td>DHY 100</td>
<td>3</td>
<td></td>
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<tr>
<td>Dental Hygiene Clinical Practice I</td>
<td>DHY 101</td>
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<tr>
<td>Head and Neck Anatomy</td>
<td>DHY 103</td>
<td>2</td>
<td>BIO 231, BIO 232</td>
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<tr>
<td>Oral Anatomy, Histology and Embryology</td>
<td>DHY 104</td>
<td>3</td>
<td>BIO 231, BIO 232</td>
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<tr>
<td>Nutrition</td>
<td>DHY 105</td>
<td>2</td>
<td>CHE 131</td>
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<tr>
<td>Concepts in Dental Hygiene II</td>
<td>DHY 150</td>
<td>3</td>
<td>DHY 100, DHY 101</td>
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<tr>
<td>Dental Hygiene Clinical Practice II</td>
<td>DHY 151</td>
<td>3</td>
<td>DHY 100, DHY 101, DHY 105</td>
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<tr>
<td>Dental Radiology</td>
<td>DHY 152</td>
<td>3</td>
<td>DHY 103, DHY 104</td>
</tr>
<tr>
<td>Periodontology</td>
<td>DHY 153</td>
<td>3</td>
<td>DHY 100, DHY 102, DHY 104, BIO 235</td>
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<tr>
<td>Dental Hygiene Clinical Practice III</td>
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<td>Oral Pathology</td>
<td>DHY 202</td>
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<td>DHY 104, BIO 232, BIO 235</td>
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<td>Pharmacology</td>
<td>DHY 203</td>
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<td>Dental Materials</td>
<td>DHY 204</td>
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<td>DHY 151, CHE 131, CHE 132</td>
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<td>Dental Hygiene Clinical Practice IV</td>
<td>DHY 251</td>
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<td>DHY 200, DHY 201, DHY 203, DHY 204</td>
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<td>Community Health</td>
<td>DHY 252</td>
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<td>DHY 200, MAT 077</td>
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<td>Local Anesthesia</td>
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<td>DHY 103, DHY 150, DHY 151, DHY 203</td>
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<td>English Composition I</td>
<td>ENG 101</td>
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<td>Completion of ENG 070 or ENG 071 with a C- or better and completion of ENG 060; or placement by exam</td>
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<td>English Composition II: An Introduction to Literature</td>
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<td>C- or better in ENG 101</td>
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<td>Introduction to Microbiology</td>
<td>BIO 235</td>
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<td>BIO 131 or BIO 231 with a C or better within the past 5 years</td>
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<td>College Chemistry II</td>
<td>CHE 132</td>
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<td>A grade of C or better in CHE 131</td>
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<td>Applied Ethics in Dental Hygiene</td>
<td>PHL 108</td>
<td>3</td>
<td>Completion of DHY 200</td>
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<td>Statistics</td>
<td>MAT 177</td>
<td>3</td>
<td>Eligible for ENG 101, placement above or completion of MAT 080 with a C or better, or completion of Preparation for College Math</td>
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<td>Introduction to Psychology</td>
<td>PSY 101</td>
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<td>Eligible for ENG 101</td>
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<tr>
<td>Introduction to Sociology</td>
<td>SOC 101</td>
<td>3</td>
<td>Eligible for ENG 101</td>
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**Total Credits** 75

**Dental Hygiene Program Department Chair:** Karen Townsend, R.D.H., B.S. Northeastern, M.S., University of Maryland

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