School of Dentistry

Degrees Offered

- Bachelor of Science in Dental Hygiene

Nature of the Program

The establishment of the integrated baccalaureate degree program in dental hygiene at West Virginia University in September 1961 was a milestone in dental hygiene education. The program stands out as one of the top dental hygiene programs nationally as shown by the students' commitment to excellence. With the addition of the degree completion program in 1987 and the master of science program in 1989, the Department of Dental Hygiene provides graduates the opportunity to further their education. The integrated curriculum in dental hygiene combines the advantages of both liberal arts and the professional aspects of education. Graduates from the program are awarded a bachelor of science degree in dental hygiene, with the option to obtain a master of science degree with the completion of a minimum of one additional year.

The dental hygiene curriculum is rigorous and provides excellent preparation for the practice of dental hygiene in numerous practice settings. The curriculum requires successful completion of a total of 133-34 hours and was constructed in accordance with the standards specified for a school of dental hygiene by the American Dental Association Commission on Dental Accreditation. The program has been fully accredited by this organization since 1965.

The dental hygiene program has a strong commitment to providing care and educational programs to residents of West Virginia, which is demonstrated by the required 125 hours of service learning and clinical care courses. To provide students in dental hygiene program with the necessary clinical experience that is required, the School of Dentistry maintains and operates dental clinics in the Robert C. Byrd Health Sciences Center School of Dentistry. Through the West Virginia University Institute for Community and Rural Health (WVUICRH), students are required to provide direct patient care for the citizens of West Virginia at a rural site during the summer session between their junior and senior year.

The WVU dental hygiene program has an excellent reputation for producing outstanding clinicians and many faculty members as well as graduates are recognized as leaders in dental education and organized dentistry. Please visit Dental Hygiene Excellence and Distinction (https://dentistry.hsc.wvu.edu/students/bachelor-of-science/excellence-and-distinction/) for more information.

The Profession

Dental hygiene is an exciting profession with many rewarding and challenging career opportunities which include clinical/patient care, administration, education, research, and sales/marketing. Dental hygienists are employed in diverse settings such as private dental practices; clinics; hospitals; long-term care facilities/rehabilitation centers; dental hygiene education; national, state, and local government agencies; and private business/industry. As a licensed health professional and oral health educator, the dental hygienist has an important role in the overall health and welfare of the public. The dental hygienist is an integral part of the dental team, providing direct patient care based on the prevention of disease. The duties and responsibilities of dental hygienists vary from state to state but may include oral prophylaxis (removing stains and deposits from teeth); root debridement; exposing radiographs; application of preventive and therapeutic agents; local delivery of antimicrobial agents; nutritional counseling; oral, head, and neck cancer screenings; monitoring nitrous oxide sedation; and administration of local anesthesia. The educational background of a dental hygienist provides the knowledge, attitudes, and skill necessary to be successful in a wide variety of careers. From providing clinical care to research to public administration, dental hygiene opens the door to many successful career options (https://dentistry.hsc.wvu.edu/students/bachelor-of-science/career-possibilities/). For an overview of the profession, please visit the undergraduate Dental Hygiene website (https://dentistry.hsc.wvu.edu/students/bachelor-of-science/).

Academic and Professional Standards

Students enrolled in the Dental Hygiene Program are held to high Academic and Professional Standards throughout their time in the Program. Please visit the Dental Hygiene Student Resources page (https://dentistry.hsc.wvu.edu/students/bachelor-of-science/dental-hygiene-student-resources/) for the Dental Hygiene Academic and Professional Standards, Student Rights and Responsibilities, additional policies, and guidelines.

FACULTY

CHAIR AND PROGRAM DIRECTOR

- Amy D. Funk, Professor - MSDH
  (West Virginia University)

PROFESSORS

- M. Suann Gaydos - MSDH, NCTTP
  (West Virginia University)
- Alcinda K. T. Shockey - DHSc, MA, BSDH, RDH, CHS-IV, CTTS, CNTA
  (NOVA Southeastern University)
ASSOCIATE PROFESSOR
• Ashlee Sowards - BSDH, MSDH, TTS (WVU)

ASSISTANT PROFESSORS
• Lisa E. Lisauckis - BSDH, MSDH (WVU)
• Elizabeth Southern Puette - RDH, MSDH, CTTS (Old Dominion University)
• Marlana R. Thomas - RDH, MS, CDA (Old Dominion University)

CLINICAL INSTRUCTOR
• Julie A. Teter - RDH, BS, MEd (Frostburg State University)

Admissions
Major Code: 8014

APPLICATION DEADLINES FOR 2022 - 2023
• First Time Freshman (fall 2023 admission) = August 1, 2022 - February 1, 2023
• Spring Admit Freshman* (spring 2023 admission) = August 1, 2022 - October 1st, 2022
• Advanced Standing Sophomore* (fall 2023 admission) = August 1, 2022 - February 1, 2023

*Must be granted departmental approval; more information provided below.

GENERAL INFORMATION
Students are admitted into the Dental Hygiene Program through a competitive process in which all applications are reviewed by the Dental Hygiene Admissions Committee. Applicants that do not meet minimum requirements for admission will be placed in Healthcare Pathways in the Center for Learning, Advising, and Student Success (CLASS) (https://www.wvu.edu/events/decide/offices/class/). Current college students and/or graduates may be considered for admission as a first time freshman or as an advanced standing student based on the availability of openings in the class. There is not a separate application for advanced standing; please review the Advanced Standing Admission information below.

The Dental Hygiene Admissions committee reviews all applications and emphasis is placed on scholastic achievement in science courses as well as overall grade point average and involvement in community service activities. Physical strength with the ability to sit and stand is required, fine precision bilateral manipulative hand/motor skills, adequate visual acuity, eye/hand/foot coordination, and emotional stability are essential characteristics for individuals who wish to enter and continue in the dental hygiene program. Applicants must meet other medical qualifications as required. Reasonable accommodations will be considered for students in conjunction with the WVU Office of Accessibility Services (https://accessibilityservices.wvu.edu/).

FIRST TIME FRESHMAN (FTF) ENTRY
As an integrated four year program, there are no prerequisite college courses required for first time freshman entry, but additional science courses on the high school level are recommended. There are two opportunities for FTF admission to the WVU Dental Hygiene Program - Direct Admission and Healthcare Pathways with Dental Hygiene Interest.

All applicants must meet all of the University admission requirements (https://admissions.wvu.edu/how-to-apply/first-time-freshmen/admission-requirements/) - to be eligible for enrollment, the applicant must be a graduate of an accredited high school or preparatory school that is acceptable for college entrance.

DIRECT ADMISSION
Applicants that meet the direct admission requirements listed below are provisionally accepted and will be guaranteed an interview with the Dental Hygiene Admissions committee. If the applicant has a successful interview and has submitted all required information by the deadline (test scores, transcripts, departmental documents, etc.), then the direct admit applicant will have a dedicated position in the upcoming class. No applicants will be interviewed or considered for direct admission until the testing requirements are completed.

To be provisionally accepted via direct admission, applicants must:
• Complete all departmental admission criteria (see How to Apply below) AND
• Minimum high school grade point average of 3.7 AND
• At least one of the following:
  • ACT Composite score 24 (math score 22) OR
  • SAT EBRW and Math 1180 (math score 540) OR
  • ALEKS math placement test score 45 or higher *Please routinely check your MIX email account for more information on ALEKS (https://www.access.wvu.edu/courses/aleks/).

Applicants that do not meet the minimum requirements for direct admission will be placed in Healthcare Pathways with Dental Hygiene interest in CLASS. Applicants in Healthcare Pathways with Dental Hygiene Interest may be considered for admission into the Dental Hygiene Program (first time freshman entry) provided there are remaining openings in the class.

ADVANCED STANDING ADMISSION
Applicants may be eligible to enter the program as a spring semester freshman or an advanced standing sophomore. Admission is limited by class size and successful completion of college courses does not guarantee advanced standing admission. Interested students must contact the Department directly to request consideration and be granted approval to apply for either spring or advanced standing sophomore admission.

Advanced standing spring admission:
To be considered for Spring admission, applications are due by October 1st of the preceding fall semester. Admission is based on a minimum cumulative and science grade point average of 3.0 and successful completion (with a grade of C or better) of Chemistry 111 and Chemistry 111L or a higher level Chemistry course (didactic and laboratory) and additional courses as prescribed in the first semester of the Dental Hygiene Curriculum Plan.

Advanced standing sophomore admission:
To be considered as an advanced standing sophomore, applications are due by February 1st of the preceding spring semester. Admission is based on a minimum cumulative and science grade point average of 3.0 and successful completion (with a grade of C or better) of all science courses prescribed in the first year of the Dental Hygiene Curriculum Plan.

HOW TO APPLY
To apply to the program, please visit the Bachelor of Science in Dental Hygiene Apply Now (https://dentistry.hsc.wvu.edu/apply-now/bachelor-of-science-in-dental-hygiene/) page and follow the directions provided. Applications for the 2023 fall semester are available from August 1, 2022 to February 1, 2023. To be considered for the Dental Hygiene Program, applicants must choose Dental Hygiene in the WVU on-line application. Additionally, all applicants, regardless of admission type, must complete all of the Departmental Admission requirements before your application will be reviewed by the Dental Hygiene Admissions Committee.

DEPARTMENTAL ADMISSION REQUIREMENTS
Please send these documents electronically to Ms. Lori Groover (lgroover@hsc.wvu.edu).

1. Shadowing forms (https://dentistry.hsc.wvu.edu/media/1673/dental-hygiene-applicant-shadowing-form.pdf) - a minimum of eight hours of direct observation of a registered dental hygienist are required, although more are recommended
2. Shadowing essay – describe the shadowing experience (procedures, patients, communication, infection control, personal protective equipment, etc.)
3. Personal essay – one page essay outlining “Why do you want to be a dental hygienist?”
4. Submission of all current transcript(s)

The most qualified applicants will be invited to interview with the Dental Hygiene Admissions Committee. This personal interview will be conducted in a question/answer format. After the interview, if for any reason the Committee does not feel that the applicant is an acceptable candidate for the Program, they will not be offered admission to the Program. This also applies to those applicants that have been offered provisional admission through the direct admit process. Prior to the interview, applicants must confirm via email (lgroover@hsc.wvu.edu), receipt of the email message from the Department of Dental Hygiene that they will be attending the scheduled interview session. Failure to respond within 10 working days from the aforementioned email will forfeit further review of your application.

Following the interview with the Dental Hygiene Admissions Committee, successful applicants will be offered conditional acceptance and will receive an email via their MIX account from the Dental Hygiene Admissions Committee outlining the New Student Requirements (https://dentistry.hsc.wvu.edu/students/bachelor-of-science/new-student-requirements/). Final acceptance to the Department of Dental Hygiene at West Virginia University is contingent on successful completion of new student requirements and of the following:

1. Successful completion and submission of all courses currently enrolled and submit all final transcripts.
2. Complete the Criminal Background document. Scan and email this document to Ms. Lori Groover (lgroover@hsc.wvu.edu) as soon as possible to reserve the offered position in the Program.
3. Complete required health evaluation forms by August 1st prior to the first semester of the program or an alternative date provided by the Program.
4. Attend WVU New Student Orientation on one of the dates provided by the Dental Hygiene program.
5. Attend the Dental Hygiene Welcome Back/Orientation event.

If you are not offered a position in the Dental Hygiene Program, you may still be accepted into WVU.

DEGREE COMPLETION PROGRAM

Registered dental hygienists may be admitted to the Department of Dental Hygiene as a full-time student. Interested dental hygienists must contact the Department directly to request consideration and be granted approval to apply for the degree completion program. Admission is limited by class size and successful completion of a certificate or associate’s degree from an accredited dental hygiene program in the United States or Canada does not guarantee entrance into the Program. Lower level credits may be transferred (see “Suggested Dental Hygiene Curriculum”) based on their equivalency to current WVU coursework. Applicants are required to submit official transcripts, a copy of their dental hygiene license and/or proof of successful completion of both national and clinical board exams, minimum of 3.0 overall and science grade point averages, and a personal essay on why you want to complete your baccalaureate degree in Dental Hygiene. Additionally, please submit the previous/current program of study with catalog descriptions of the courses completed. Applicants are responsible for the submission of a complete record package. Applications can be obtained after August 1st of the year preceding application to the program. Please contact the Dental Hygiene office (lgroover@hsc.wvu.edu) for more information about this program.

Accreditation

The Bachelor of Science in Dental Hygiene program within the School of Dentistry has specialized accreditation through the Commission on Dental Accreditation of the American Dental Association. Since the beginning of the program, it has held full accreditation status.

Click here to view the Suggested Plan of Study (p. 6)

Bachelor of Science in Dental Hygiene

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (http://registrar.wvu.edu/gef/)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

General Education Foundations

<table>
<thead>
<tr>
<th>F1 - Composition &amp; Rhetoric</th>
<th>3-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>Introduction to Composition and Rhetoric</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>and Composition, Rhetoric, and Research</td>
</tr>
<tr>
<td>or ENGL 103</td>
<td>Accelerated Academic Writing</td>
</tr>
</tbody>
</table>

| F2A/F2B - Science & Technology | 4-6 |
| F3 - Math & Quantitative Reasoning | 3-4 |
| F4 - Society & Connections | 3 |
| F5 - Human Inquiry & the Past | 3 |
| F6 - The Arts & Creativity | 3 |
| F7 - Global Studies & Diversity | 3 |
| F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree) | 9 |

Total Hours: 31-37

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

Degree Requirements

University Requirements: 13
Dental Hygiene Major Requirements: 120
Total Hours: 133

University Requirements

General Education Foundations (GEF) 1, 2, 3, 4, 5, 6, 7, and 8 (31-37 Credits)
Outstanding GEF 1, 6, and 7: 12
## Dental Hygiene Major Requirements

A minimum grade of C- is required in BIOL, CHEM, HN&F, MICB, PALM, PCOL, and DTHY courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 102</td>
<td>General Biology 2</td>
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<tr>
<td>BIOL 102L</td>
<td>General Biology 2 Laboratory</td>
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</tr>
<tr>
<td>CHEM 111</td>
<td>Survey of Chemistry 1</td>
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<tr>
<td>&amp; 111L</td>
<td>and Survey of Chemistry 1 Laboratory (GEF 2B)</td>
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<tr>
<td>CHEM 112</td>
<td>Survey of Chemistry 2</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 112L</td>
<td>and Survey of Chemistry 2 Laboratory</td>
<td></td>
</tr>
<tr>
<td>COMM 104</td>
<td>Fundamentals of Public Communication (GEF 5)</td>
<td>3</td>
</tr>
<tr>
<td>HN&amp;F 171</td>
<td>Introduction to Human Nutrition (GEF 8)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 124</td>
<td>Algebra with Applications (GEF 3)</td>
<td>3</td>
</tr>
<tr>
<td>MICB 200</td>
<td>Medical Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>PALM 107</td>
<td>Introduction to Human Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>PALM 207</td>
<td>Human Anatomy and Physiology 2</td>
<td>4</td>
</tr>
<tr>
<td>PALM 309</td>
<td>Oral Histology</td>
<td>2</td>
</tr>
<tr>
<td>PALM 300</td>
<td>Introduction to Pathology</td>
<td>3</td>
</tr>
<tr>
<td>PALM 302</td>
<td>Oral Pathology</td>
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</tr>
<tr>
<td>PCOL 260</td>
<td>Pharmacology</td>
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<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology (GEF 4)</td>
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<td>PSYC 241</td>
<td>Introduction to Human Development (GEF 8)</td>
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<td>SOC 101</td>
<td>Introduction to Sociology (GEF 8)</td>
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<td>DTHY 101</td>
<td>Introduction to Dental Hygiene</td>
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<tr>
<td>DTHY 185</td>
<td>Oral Anatomy</td>
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<tr>
<td>DTHY 186</td>
<td>Dental Anatomy</td>
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<tr>
<td>DTHY 205</td>
<td>Theory and Practice of Prevention</td>
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</tr>
<tr>
<td>DTHY 210</td>
<td>Dental Radiology</td>
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<td>DTHY 211</td>
<td>Dental Radiology</td>
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<tr>
<td>DTHY 220</td>
<td>Dental Nursing Techniques</td>
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<tr>
<td>DTHY 225</td>
<td>Dental Hygiene Techniques</td>
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<tr>
<td>DTHY 226</td>
<td>Clinical Dental Hygiene</td>
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<tr>
<td>DTHY 300</td>
<td>Anesthesia for Dental Hygiene</td>
<td>1</td>
</tr>
<tr>
<td>DTHY 350</td>
<td>Public Health</td>
<td>2</td>
</tr>
<tr>
<td>DTHY 351</td>
<td>Dental Health Education (Fulfills Writing and Communication Skills Requirement)</td>
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<tr>
<td>DTHY 360</td>
<td>Dental Materials</td>
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<td>DTHY 361</td>
<td>Expanded Functions</td>
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<td>DTHY 363</td>
<td>Periodontics 1</td>
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<td>DTHY 364</td>
<td>Periodontics 2</td>
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<tr>
<td>DTHY 366</td>
<td>Technical Expression and Dental Literature</td>
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<tr>
<td>DTHY 370</td>
<td>Dental Hygiene Clinical Methods</td>
<td>2</td>
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<tr>
<td>DTHY 372</td>
<td>Clinical Dental Hygiene 1</td>
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<td>DTHY 374</td>
<td>Clinical Dental Hygiene 2</td>
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</tr>
<tr>
<td>DTHY 378</td>
<td>Dental Hygiene Teaching Methods</td>
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<td>DTHY 402</td>
<td>Dental Hygiene Ethics and Practice</td>
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<td>DTHY 405</td>
<td>Advanced Clinical Dental Hygiene 1</td>
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<td>DTHY 406</td>
<td>Advanced Clinical Dental Hygiene 2</td>
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<td>DTHY 407</td>
<td>Advanced Dental Hygiene Methods 2</td>
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<td>DTHY 440</td>
<td>Senior Integration Seminar</td>
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<td>DTHY 445</td>
<td>Applied Pharmacology</td>
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<td>DTHY 450</td>
<td>Dental Health Education 2</td>
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### Suggested Plan of Study

**First Year**

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<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tr>
<td>CHEM 111 &amp; 111L (GEF 2B)</td>
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<td>BIOL 102</td>
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<td>COMM 104 (GEF 5)</td>
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**Second Year**

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<td>DTHY 210</td>
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<td>DTHY 225</td>
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<tr>
<td>MICB 200</td>
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<td>PSYC 241 (GEF 8)</td>
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<td>SOC 101 (GEF 8)</td>
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**Third Year**

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<tr>
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**Fourth Year**

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<td>1</td>
<td>DTHY 406</td>
<td>3</td>
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<td>DTHY 405</td>
<td>4</td>
<td>DTHY 407</td>
<td>2</td>
</tr>
<tr>
<td>DTHY 440</td>
<td>1</td>
<td>DTHY 451</td>
<td>2</td>
</tr>
<tr>
<td>DTHY 445</td>
<td>1</td>
<td>DTHY 490</td>
<td>2</td>
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<td>DTHY 450</td>
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<tr>
<td>DTHY 478</td>
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Degree Designation Learning Outcomes

BACHELOR OF SCIENCE IN DENTAL HYGIENE (BSDH)

Program Goals:

1. Provide a high quality program of instruction that prepares dental hygienists to:
   • Possess a heightened awareness of social and cultural diversity, ethics and professionalism.
   • Apply critical thinking to integrate current scientific principles/technology with the provision of evidenced-based, comprehensive health care.
   • Perform to the level of clinical competency those legally approved oral health services as defined by the West Virginia State Board of Dental Examiners and the WVU School of Dentistry.
   • Perform to the level of laboratory competency those legally approved oral health services (beyond the scope of the West Virginia practice act) stipulated in the practice acts of other states, districts, or territories of the United States.
   • Coordinate and administer oral health services for a variety of populations in diverse settings (public health agencies, hospitals, school systems, etc.).
   • Engage in intra and interprofessional collaborative activities with community leaders and health care professionals to manage the oral health needs of rural West Virginia.
   • Provide didactic and clinical instruction in allied dental education programs.
   • Pursue professional development through self-study, continuing education, research and advanced studies at the masters and doctoral levels.
2. Recruit, admit and retain students with the potential to succeed within the dental hygiene program.
3. Create an environment conducive to faculty promotion, retention, and satisfaction.

Program Competencies:

1. Apply the concepts of professionalism, ethics, law, and regulation to the provision and/or support of oral health care services.
2. Demonstrate an awareness of social/cultural diversity issues.
3. Apply basic, dental hygiene, and dental science concepts to the provision and/or support of oral health care services.
4. Provide the dental hygiene process of care which includes assessment, planning, implementation, and evaluation components that are both evidence-based and patient-centered.
5. Provide dental hygiene care to children, adolescents, adults, geriatrics, special needs patients, and persons with medically compromising conditions.
6. Implement evidence-based tobacco cessation strategies utilizing the 5 A’s (Ask, Advise, Assess, Assist, & Arrange) for all tobacco using patients.
7. Provide dental hygiene care for all types of classifications of periodontal disease, including patients who exhibit moderate to severe periodontal disease.
8. Provide dental hygiene/dental supportive treatment that is both evidence-based and patient-centered.
9. Provide appropriate life support measures for any medical emergencies that may be encountered in dental hygiene practice.
10. Assess, plan, implement, and evaluate community-based oral health programs to promote health and prevent disease among a variety of population groups in diverse settings.
11. Demonstrate interpersonal and group communications skills to effectively interact with diverse population groups.
12. Apply biostatistical principles in the analysis of scientific literature and the design and interpretation of a student-based research project.
13. Design courses, provide didactic and clinical instruction, and implement evaluation strategies in allied dental education programs.
14. Identify career options within the dental hygiene profession.
15. Participate in activities that promote life long learning and professional growth.
16. Engage in intra and interprofessional team building activities that foster collaborative learning.

COURSES

DTHY 100. Health Care Terminology. 1 Hour.
This course provides the foundation for understanding common terminology used in health care. The components, pronunciation, proper use, and abbreviations of medical terminology will be discussed. Emphasis will be placed on dental terminology.

DTHY 101. Introduction to Dental Hygiene. 2 Hours.
PR: Consent. Historical evolution of the profession, the professional association, specialties of dentistry and the various roles of a dental hygienist will be emphasized. This course incorporates the University’s required first-year experience objectives.
DTHY 185. Oral Anatomy. 2 Hours.
PR: Acceptance into dental hygiene. The human neck bones, muscles, nerves, blood supply, lymphatics, glandular tissue, fascia/spaces, TMJ, and spread of dental infection are the focus of this course.

DTHY 186. Dental Anatomy. 2 Hours.
PR: DTHY 100 and DTHY 185 and NBAN 301. Classroom and laboratory study of normal human dental morphology, tooth anomalies, pulp function, eruption patterns and occlusal relationships.

DTHY 191. First-Year Seminar. 1-3 Hours.
Engages students in active learning strategies that enable effective transition to college life at WVU. Students will explore school, college and university programs, policies and services relevant to academic success. Provides active learning activities that enable effective transition to the academic environment. Students examine school, college and university programs, policies and services.

DTHY 205. Theory and Practice of Prevention. 2 Hours.
PR: Enrollment in dental hygiene. Philosophy and techniques of preventive dentistry.

DTHY 210. Dental Radiology. 2 Hours.

DTHY 211. Dental Radiology. 1 Hour.
PR: DTHY 210. The application of radiology principles and techniques. Clinical integration and case presentations will be emphasized.

DTHY 220. Dental Nursing Techniques. 2 Hours.
PR: Enrollment in dental hygiene. Emergency first aid and principles of nursing applicable to the dental office.

DTHY 225. Dental Hygiene Techniques. 4 Hours.
PR: Enrollment in dental hygiene. Fundamental principles and techniques of dental hygiene are presented through lectures, laboratory, and clinical participation.

DTHY 226. Clinical Dental Hygiene. 1 Hour.
PR: DTHY 225. This course enables the sophomore dental hygiene student to gain proficiency in the treatment of patients.

DTHY 293. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

DTHY 300. Anesthesia for Dental Hygiene. 1 Hour.
Application of neuroanatomy, physiology, and pharmacology to the administration of regional anesthesia using local anesthetic agents. Management of complications encountered and the techniques of administering these agents will be presented.

DTHY 301. Public Health. 1 Hour.

DTHY 320. Dental Radiology. 2 Hours.

DTHY 322. Dental Radiology. 1 Hour.
PR: DTHY 320. The application of radiology principles and techniques. Clinical integration and case presentations will be emphasized.

DTHY 350. Public Health. 2 Hours.

DTHY 351. Dental Health Education. 3 Hours.
PR: Enrollment in dental hygiene. Methods, materials, and resources used in teaching dental health to various population groups.

DTHY 360. Dental Materials. 3 Hours.
PR: Enrollment in dental hygiene. Lecture and laboratory covering the science and manipulation of dental materials.

DTHY 361. Expanded Functions. 2 Hours.
PR: DTHY 360. Lecture and laboratory covering specialty topics in dentistry and four-handed dental assisting. Assisting, and the placing and carving of amalgam and resin restorations in dentiform teeth. (1 hr. lec., 4 hr. lab.).

DTHY 363. Periodontics 1. 1 Hour.
PR: Enrollment in dental hygiene. Tissues of the periodontium, histopathology of periodontal disease with emphasis on etiology, assessment, diagnosis, treatment, and prevention within the scope of dental hygiene.

DTHY 364. Periodontics 2. 2 Hours.
PR: DTHY 363. A sequential course to DTHY 363.

DTHY 366. Technical Expression and Dental Literature. 1 Hour.
PR: Dental hygiene major. Preparation and analysis of professional communications.

DTHY 370. Dental Hygiene Clinical Methods. 2 Hours.
PR: DTHY 225. Principles of oral debridement, instruction in the care of special patients, use of diagnostic aids, and nutritional counseling.
DTHY 372. Clinical Dental Hygiene 1. 2 Hours.

DTHY 374. Clinical Dental Hygiene 2. 3 Hours.

DTHY 378. Dental Hygiene Teaching Methods. 2 Hours.
PR: Enrollment in dental hygiene. Concepts and principles of administration, curriculum, and clinical teaching unique to dental auxiliary education. Emphasis on overall role of the dental hygiene educator.

DTHY 380. Interdisciplinary Approach to Rural Health. 1 Hour.
Fundamental principles of and background information on Appalachian history, poverty, and cultural diversity for the assessment of rural health needs. Assess the delivery of health care services and community development in rural settings.

DTHY 402. Dental Hygiene Ethics and Practice. 1 Hour.
PR: Enrollment in Dental Hygiene. Scope of practice for the dental hygienist including ethical and legal considerations. Public and professional relations as well as practice management are discussed.

DTHY 405. Advanced Clinical Dental Hygiene 1. 4 Hours.

DTHY 406. Advanced Clinical Dental Hygiene 2. 3,4 Hours.
PR: Fourth year in dental hygiene. Continuation of clinical practice experience in dental hygiene procedures.

DTHY 407. Advanced Dental Hygiene Methods 2. 2 Hours.

DTHY 409. Clinical Dental Hygiene. 1 Hour.
PR: DTHY 374. This course enables senior dental hygiene student to gain proficiency in the treatment of patients.

DTHY 410. Clinical Dental Hygiene 3. 1-4 Hours.
This course enables the senior dental hygiene degree completion student to maintain proficiency in the treatment of patients.

DTHY 411. Clinical Dental Hygiene 4. 1-4 Hours.
This course enables the senior dental hygiene degree completion student to maintain proficiency in the treatment of patients.

DTHY 440. Senior Integration Seminar. 1 Hour.
PR: Consent. A thorough analysis and integration of didactic, laboratory and clinical content via lectures, discussions and cases in preparation for licensure.

DTHY 445. Applied Pharmacology. 1 Hour.
PR: PCOL 260. Case studies encountered in dental hygiene practice that require critical thinking and decision-making to manage the dental treatment needs and potential complications of patients taking multiple pharmacologic agents.

DTHY 450. Dental Health Education 2. 2 Hours.

DTHY 451. Dental Health Education 3. 2 Hours.
PR: DTHY 450. Advanced dental health education with field experiences in three settings. Case histories developed and research study completed.

DTHY 478. Clinical Evaluation. 1 Hour.
PR: DTHY 378. Preparation for clinical instruction and evaluation. Emphasis is placed on clinical evaluation procedures, proper instrumentation and the skills/strategies utilized to promote affective and psychomotor skill development in students.

DTHY 482. Intra-Oral Photography. 1 Hour.
PR: DTHY 405. Intra-oral photography is a one-semester course which deals with the principles and techniques of photography and its application to dentistry.

DTHY 490. Teaching Practicum. 1-3 Hours.
PR: Consent. Teaching practice as a tutor or assistant.

DTHY 491. Professional Field Experience. 1-18 Hours.
PR: Consent. (May be repeated up to a maximum of 18 hours.) Prearranged experiential learning program, to be planned, supervised, and evaluated for credit by faculty and field supervisors. Involves temporary placement with public or private enterprise for professional competence development.

DTHY 492. Directed Study. 1-3 Hours.
Directed study, reading, and/or research.

DTHY 493. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

DTHY 494. Seminar. 1-3 Hours.
PR: Consent. Presentation and discussion of topics of mutual concern to students and faculty.
DTHY 495. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

DTHY 496. Senior Thesis. 1-3 Hours.
PR: Consent.

DTHY 497. Research. 1-6 Hours.
Independent research projects.

DTHY 498. Honors. 1-3 Hours.
PR: Students in Honors Program and consent by the honors director. Independent reading, study or research.