MASTER OF SCIENCE: DENTAL HYGIENE EDUCATION

About the Program
The Master of Science Degree program in Dental Hygiene Education at the University of Missouri - Kansas City (UMKC) prepares students for careers in dental hygiene education. The 36 credit hour graduate program and core curriculum is offered through a combination of online and onsite teaching and learning modalities. Out of state students who complete coursework on a part-time basis are eligible for in-state tuition. To be eligible for this, the student must enroll in no more than 6 credit hours in the fall and spring semesters and no more than 3 credit hours in the summer.

The curriculum provides academic experiences based on the career goals and interest of the graduate student. Although the curriculum is focused on preparing the student for a career in dental hygiene education, elective courses may be taken through a personalized approach – pursuing excellence together.

The graduate program has a thesis or non-thesis option. The completion of a thesis or non-thesis research project (manuscript ready for publication) is required as part of the graduate student’s academic program. The core curriculum is completed online. Full time students are required to attend a minimum of two academic years.

Requirements for Admission
Graduation from an accredited school or program of dental hygiene, a baccalaureate degree from an accredited college or university, and a minimum 3.0 undergraduate GPA are required. The deadline for application is Feb. 1 for the class beginning the following summer semester. An interview is a required component of the admissions process. Enrollment is limited.

Questions about this program may be answered by contacting the program director’s office at (816) 235-2049 or villalpandot@umkc.edu.

A check list for applying to the program can be found at http://dentistry.umkc.edu/Future_Students/DHMasterScience.shtml.

Request completion of three (3) reference forms, one of which must be completed by the Director of the Dental Hygiene program from which you graduated. Have them sent directly to: Director, Graduate Dental Hygiene Education; UMKC School of Dentistry; 650 East 25th Street; Kansas City, MO 64108. All application material must be received in the division of dental hygiene office by the deadline of February 1.

Tuition and Fees Schedule
Master of Science Degree Program in Dental Hygiene Education
Click here for the current Tuition and Fee schedule. (http://dentistry.umkc.edu/Future_Students/asset/pdfs/TuitionScheduleMasterdentalhygiene.pdf)

Scholarships
Please see the UMKC Master of Science in Dental Hygiene Education website located at http://dentistry.umkc.edu/Future_Students/DHMasterScience.shtml for a full list of scholarships available.

Program Goals
Career Opportunities
The program will prepare the student to assume roles in a variety of employment opportunities including education, research, and administration

Research
The program will provide the foundational skills necessary to contribute to the body of knowledge in dental hygiene research
Lifelong Learning
The program will foster the skills of reflective thinking, problem-solving, scholarly inquiry, and evidence-based decision making in an effort to promote lifetime learning.

Vision Statement
The UMKC School of Dentistry Graduate Dental Hygiene Program will serve as a model dental hygiene graduate program that increases the education of the dental hygienist unrelated to geographic location.

Mission Statement
The UMKC School of Dentistry Graduate Dental Hygiene Program provides a comprehensive education of both theory and practical applications and prepares the dental hygienist to assume a variety of employment opportunities where advanced communication skills, critical thinking, problem-solving, evidence-based decision making, and lifelong learning are needed.

Program and Graduation Requirements
Student Learning Outcomes/Graduate DH Core Competencies
The Graduate Dental Hygiene Program at the University of Missouri – Kansas City School of Dentistry builds upon the foundation of the baccalaureate degree dental hygienist. The program provides a variety of coursework to ensure the framework necessary to obtain employment in education, research, or administration. Upon completion of the 36 credit hours necessary for graduation, the student will be able to do the following:

1. Our graduates will be prepared to conduct original and scholarly research projects
   - Apply the research process to an identified problem using the National Dental Hygiene Research Agenda as a guide.
   - Synthesize information from evidence-based literature to apply a research problem.
   - Apply the (scientific) research process to an identified problem.
   - Develop a research proposal, obtain IRB approval, grant monies if needed, and report findings in a manuscript format ready for submission to a peer-reviewed journal.
   - Discuss research findings with peers, faculty, and other allied health professionals.
   - Demonstrate effective and professional written, oral, and electronic communication skills.
   - Design and disseminate to other professionals appropriate to your area of research a scholarly presentation at a regional, state, or national conference with other health professionals.

2. Our graduates will utilize information technology to advance teaching and education
   - Discuss different technologies used in classroom and online delivery modalities in dental hygiene education.
   - Design courses that use technology to reach individuals regardless of geographic location.
   - Create teaching opportunities that employ technology to engage student learning in the clinical and classroom setting.
   - Develop an electronic program portfolio.

3. Our graduates will have an understanding of the relationship between higher education and oral health care policy (issues) in dental hygiene
   - Identify issues related to higher education policy and procedures.
   - Examine methods used to facilitate access to care and development of new workforce models’ impact on oral and overall health.
   - Recognize the impact of interacting with diverse communities and cultures to serve individuals of all backgrounds.
   - Evaluate the impact of legislation and policy on trends in oral health at the national, state, and local levels.

4. Our graduates will have the knowledge to demonstrate through behavior, high standards of ethics, integrity, and responsibilities in professional situations
   - Display the ability to self-assess in enhancing professional self-development.
   - Demonstrate a commitment to life-long learning in the profession of dental hygiene.
   - Recognize responsibility and accountability for actions in various roles of the dental hygienist.
   - Explain the obligation to be active in society to make changes in one’s health and welfare.
   - Foster high standards of personal and organizational integrity, honesty, and respect for people of all communities.
   - Exhibit knowledge of legal, ethical, and social issues related to developing technology and communication/social networks.

5. Our graduates will have the ability to plan and integrate new teaching and educational programs in dental hygiene
   - Demonstrate the process of program development including assessment, planning, implementation, and evaluation to accomplish program goals.
   - Be knowledgeable in the process of seeking funds for the implementation of new programs.
   - Articulate a plan for the development of new programs.
   - Use basic organizational, administrative and human relations skills in a group environment.

6. Our graduates will be leaders in their communities, organizations, institutions and work environments
   - Analyze interactions of human, social, and dental hygiene theories and how they affect individuals and professions.
• Apply leadership skills when working with groups to attain personal and professional goals.
• Support change and improvements in the profession of dental hygiene through service and affiliations with professional associations.
• Successfully communicate to others with effective written, oral and electronic correspondence skills.

Core curriculum courses are taken in conjunction with students enrolled in the UMKC degree-completion program. In addition to a UMKC campus program orientation (usually in August), online students are required to attend class sessions on average an additional two times during the student’s program of study. More information on these campus visits can be discussed with the program director. Additional on-site campus visits for the graduate student are determined between the research committee chair and the student. The student is encouraged to attend another on-campus visit as their research project deems necessary.

### Required Courses

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DENT-HYG 4130</td>
<td>Introduction to Instructional Technologies and Online Learning</td>
<td>1</td>
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<tr>
<td>DENT-HYG 5502</td>
<td>Foundations of Teaching</td>
<td>2</td>
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<tr>
<td>DENT-HYG 5500</td>
<td>Introduction to Educational Methodology</td>
<td>3</td>
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<tr>
<td>DENT-HYG 5510</td>
<td>Student Teaching and Conference I</td>
<td>2-4</td>
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<tr>
<td>DENT-HYG 5516</td>
<td>Special Issues in Higher Education for Health Professional</td>
<td>3</td>
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<tr>
<td>DENT-HYG 5530</td>
<td>Clinical Instruction and Conference I</td>
<td>2-4</td>
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<tr>
<td>DENT-HYG 5553</td>
<td>Evidence Based Decision Making in the Clinical Practice of Dental Hygiene</td>
<td>2</td>
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<td>DENT-HYG 5595</td>
<td>Writing in Science</td>
<td>2</td>
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<tr>
<td>DENT-HYG 5599</td>
<td>Research And Thesis</td>
<td>1-6</td>
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<tr>
<td>RES-ME 5700</td>
<td>Introduction To Research Methodology</td>
<td>3</td>
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<tr>
<td>RES-ME 5703</td>
<td>Thesis Writing</td>
<td>1</td>
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<td>RES-ME 5704</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
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<td>DENT-HYG 5585</td>
<td>Portfolio Capstone Course</td>
<td>1</td>
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<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>27-36</strong></td>
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*It is highly recommended that the student take the following:*

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<tr>
<th>Code</th>
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<tr>
<td>DENT-HYG 5512</td>
<td>Student Teaching and Conference II</td>
<td>2-4</td>
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<tr>
<td>DENT-HYG 5532</td>
<td>Clinical Instruction and Conference II</td>
<td>2-4</td>
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For students who do not reside in the Kansas City area (online students) some courses (DHGR510 Student Teaching and Conference I and DHGR530 Clinical Instruction and Conference I) require teaching (didactic or clinically) at a college/university setting other than UMKC. In those cases, an affiliation agreement is required. It is the student’s responsibility to get permission from the sponsoring institution to teach in their facility. Once the student has initiated contact, the UMKC program director will contact the program director of the sponsoring institution.

* For students not in the Kansas City area (online students) six of the 36 credit hours must be transferred in from another institution. The six transfer credits must include a 3 credit hour course in Research Methodology and a 3 credit hour course in Biostatistics/Statistics. However, these two courses are offered onsite at UMKC SOD. Both courses must be at the graduate level and need to be approved by the program director. Prospective applicants will need to contact the program director for advising.

The total number of credit hours required for completion of the Master of Science Degree Program in Dental Hygiene Education is 36 credit hours for either the thesis or the non-thesis option.

### Graduation Requirements

1. A minimum of a 3.0 GPA.
2. Successful completion of 36 credit hours with a thesis or graduate research project option.
3. All other requirements for graduation as stated in the General Graduate Academic Regulations and Information section of the UMKC General Catalog. For more information - please visit www.umkc.edu/sgs (http://www.umkc.edu/sgs)
4. Design and disseminate to other professionals appropriate to your area of research a scholarly presentation at a regional, state, or national conference with other health professionals.
5. Successful completion of a portfolio as presented in DENT-HYG 5585. The final portfolio must be turned into the program director 6 weeks prior to the student’s anticipated graduation date.
Other Requirements

Students will be expected to comply with all rules, regulations and requirements in the General Graduate Academic Regulations and Information section of this catalog.

Graduate students, regardless of classification, must maintain a 3.0 (B) grade-point average in all coursework taken for graduate credit at UMKC and must meet any additional academic requirements imposed by the school, department or Interdisciplinary Ph.D. discipline. Students are responsible for keeping apprised of their academic status by referring to term grades and their permanent academic record on file in the UMKC Registration and Records Office.

Whenever the cumulative GPA for UMKC courses taken for graduate credit by a graduate student of any classification falls below 3.0, the student's status for the next term becomes: "On Probation - See principal graduate advisor." (Interdisciplinary Ph.D. students will be directed to consult their interim advisor or research advisor.) The principal graduate advisor, interim advisor or research advisor will review the student's progress and provide counsel, and the following conditions apply:

- A graduate student on probation who is not restored to good academic standing by the end of two successive regular semesters following the term in which the cumulative GPA fell below 3.0 will be declared ineligible to re-enroll.
- While on probation, a graduate student must achieve a 3.0 term GPA in order to enroll for the following term.
- A graduate student on probation will not be restored to good standing until a cumulative graduate-credit GPA of at least 3.0 is achieved.

UMKC is An Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer

Courses

DENT-HYG 3000 Dental Morphology And Occlusion Credits: 2
This course is designed to provide the dental hygiene student with a sound knowledge base in dental morphology and occlusion through discussion and laboratory experiences. Students will learn to identify anatomical structures of each tooth and be able to communicate these findings effectively with colleagues and patients in both verbal and written forms. Throughout the course, the clinical application and relevance of dental morphology in the practice of dental hygiene will be emphasized. Special consideration will be given to root morphology as it relates to periodontal instrumentation. Activities will include: identification of extracted teeth, terminology exercises, dental charting experiences and identifying classifications of occlusion.

DENT-HYG 3020 Dental Radiology Credits: 2
Lecture and clinical practice of dental radiographic procedures. Topics included are radiation hygiene, taking and developing radiographs, processing and mounting films, and radiographic interpretation. Clinical experience is required throughout the remaining semesters.

DENT-HYG 3030 Introduction to Histopathology of Oral Tissues Credits: 2
A comparison of the microscopic anatomy of healthy and diseased oral tissues. The major goal of this course is to integrate basic sciences (embryology, descriptive histology, and cell biology of oral tissues) with clinical sciences. The gap between the basic and clinical sciences is not always easy to bridge; this course is designed to bridge the "gap." This course provides students with an introduction to oro-facial histology and embryology and pathology that may arise from the tissues of the head, neck, and oral cavity.

Prerequisites: Dental hygiene student.

DENT-HYG 3080 Introduction to the Preventive Practice of Dental Hygiene Credits: 4
This course will introduce theories and rationales for basic clinical dental hygiene care (infection control, oral examination and fundamentals of instrumentation) in diverse populations. Practical application of specific clinical skills will be introduced in the classroom and applied in the clinical setting.

DENT-HYG 3080L Preclinical Dental Hygiene Credits: 2
This course emphasizes the practical application of the fundamental concepts and principles of patient care in a diverse society discussed in DENT-HYG 3080. Emphasis is placed on patient assessment and techniques of instrumentation for examination and dental hygiene treatment. After the student has mastered basic skills, he/she will begin to provide direct dental hygiene services.

DENT-HYG 3200 General and Oral Pathology Credits: 2-3
An introduction to the principles of general pathology and organ system pathology including inflammation, immunity and diseases of immune origin, genetic diseases, neoplasia with emphasis on oral cancer, and diseases of selected organ systems including pulmonary, cardiovascular, hematopoietic, endocrine, skeletal, gastrointestinal, hepatic, pancreatic and other systems as time permits.

DENT-HYG 3210 Applied Nutrition and Biochemistry Credits: 2
This course introduces biochemistry and nutrition, encouraging identification of sources and application of specific nutrients for health. Contents familiarize students with roles of nutrition and places emphasis on the hygienist’s role as nutritional educator- utilizing skills of recognition, prevention and treatment of related disease(s) and support of good oral health. Topics build on previous knowledge of chemistry, biology and physiology in application to health, coupled with deficient/optimal nutrition. Students will utilize motivational interviewing pertaining to counseling to help patients assign values, prioritize, and meet agreed upon goals. The format will include face-to-face lectures, online supplements, short labs, and group assignments/presentations.

Prerequisites: CHEM 211 and CHEM 211L; LS-PHYS 117.
DENT-HYG 3220 Dental Biomaterials Credits: 2
This course is designed to provide the dental hygiene student with a sound knowledge base in the science and manipulation of dental biomaterials. Through lectures and laboratory session, the student’s ability to make clinical judgments regarding the application of dental biomaterials and the ways in which materials react to the oral environment will be enhanced.

DENT-HYG 3260 Principles Of Periodontics Credits: 2
This course in Periodontics will cover the biological and clinical aspects of periodontal health and pathology. An introduction to the supporting structures of the teeth will provide the foundation of understanding pathogenesis, histopathology and subsequent therapeutic treatment of periodontal diseases. The dental hygienist’s role in recognition, prevention and treatment of periodontal diseases and maintenance of periodontal health is examined.

DENT-HYG 3280C Dental Hygiene Clinic I Credits: 3
Students will further develop clinical skills and techniques learned in DENT-HYG 3080L and previous courses by providing services to patients.

DENT-HYG 3285 Seminar In Dental Hygiene I Credits: 2-3
This course expands on theory and background presented in DENT-HYG 3080. Topics include expanding dental hygiene skills required for the care of patients and continued development of problem solving abilities and critical thinking skills as they relate to the provision of dental hygiene care. Provide students with a more insightful view of the role of the dental hygienist in the delivery of comprehensive patient care.

DENT-HYG 3300 Radiographic Interpretation Credits: 0.5
The purpose of the course is to introduce interpretation of radiographic anomalies and pathology just prior to the clinical experience. Since there was little time for an emphasis on radiographic interpretation during your second year radiology course, this lecture and participation course supplement clinic instruction in diagnosis of the patient’s oral needs and formulation of a treatment plan. Upon completion of this course, the student should be able to recognize simple pathology and radiographic anomalies.

DENT-HYG 3320 Oral Health Behavior Change Credits: 3
The purpose of this hybrid course is to prepare the junior dental hygiene student to effectively assess and individualize preventive oral health care through the use of brief motivational interviewing. The course will include evidenced based information in dental caries and caries risk assessment, caries preventive measures, introduction to periodontal disease, dental stains, and management of xerostomia, halitosis, and dentinal sensitivity, oral healthcare products and how to care for an oral appliance. The student will subsequently apply course concepts to facilitate patient behavior change in the clinical setting.

Prerequisites: a course in General Psychology.

DENT-HYG 3340 Principles Of Public Health Credits: 2
This course introduces the student to principles of public health, the field of epidemiology, health care delivery systems, public health terminology and teaching methodologies to use in culturally diverse community settings. Students will have the opportunity to assess a target population, plan, implement and evaluate appropriate programs. Students will also apply theories and skills of communication and education while preparing and presenting oral health education programs for various population groups. The material presented in this course will extend to the subsequent course DENT-HYG 4220.

DENT-HYG 4020 Local Anesthesia And Pain Control Credits: 3
This course is designed to prepare dental hygiene students for the safe, effective administration of local anesthesia and nitrous oxide sedation. Included are content areas in anatomy, physiology, pharmacology, and emergency management as they relate to the administration of local anesthetics, nitrous oxide, and pain control. Laboratory sessions are structured to develop actual experiences in administration of local anesthetics and nitrous oxide. Various mechanisms for pain control are also covered. Methods of presentation include lecture, large group discussion, laboratory and clinical participation.

DENT-HYG 4040 Foundations of Teaching Credits: 2
This course provides an introduction to the evidence-based best practices in course design for students who are preparing for a career in teaching and for those who simply wish to learn more about classroom instruction. Students will explore outcomes centered course design and practical and effective instructional strategies. Content application activities include syllabus development, writing objectives, constructing lesson plans, preparing presentations and developing course management sites.

DENT-HYG 4050 Periodontics II Credits: 2
This course in Periodontics will provide and introduction to Phase II and III therapy. Periodontal decision making will be emphasized. The dental hygienists’ role in recognition, prevention and treatment of periodontal diseases and maintenance of periodontal health is further examined.

Prerequisites: DENT-HYG 3260.

DENT-HYG 4060C Dental Hygiene Clinic II Credits: 2
The student will continue to develop competency in basic dental hygiene skills. Principles of periodontal techniques, such as non-surgical periodontal therapy, supportive treatment procedures and comprehensive patient care in a diverse society will be emphasized. The student will be asked to demonstrate professional management skills and productivity.
DENT-HYG 4065 Seminar in Dental Hygiene II Credit: 1
This seminar course is offered in conjunction with DENT-HYG 4060C, and expands upon theory and background presented in other dental hygiene courses within the curriculum which will involve further development of their critical thinking/problem solving skills regarding patient care. Students will be provided with further instruction regarding advanced instrumentation, cultural diversity, motivational interviewing and other technological advancements utilized in dental hygiene care.
Co-requisites: DENT-HYG 4060C.

DENT-HYG 4080 Introduction to Research and Evidence Based Decision Making Credits: 2
This is a lecture/discussion course with assigned exercises in the research process and evaluating scientific studies. Students will apply basic principles of research design and methodology to the critical analysis of contemporary oral health related literature focusing on the review and evaluation of literature as it relates to the practice and profession of dentistry and dental hygiene with the intent of utilizing an evidence-based approach to care.

DENT-HYG 4100 Pharmacology Credits: 3
An overview and introduction to the major drug groups and common drugs taken by dental outpatients. Course includes the basic principles and general theories of drug action, basic pharmacokinetics, their mechanisms of action and therapeutic uses and the relative dental significance of each.

DENT-HYG 4110 Introduction to Research Methodologies Credits: 2
This is a lecture/discussion course with assigned exercises in the research process and evaluating scientific studies. Students will learn the basic principles involved in research design and methodology and will apply those principles to the critical analysis of contemporary health related literature. Focus on the review and evaluation of literature as it relates to the practice and profession of dentistry with the intent of utilizing an evidence-based approach to care will be stressed.

DENT-HYG 4115 Practicing in the Dental Hygiene Public Health Safety Net Credits: 3
The course is designed to increase the knowledge base of the practicing dental hygienist in the area of public health dentistry, including health promotion, disease prevention, current legislation, evidence based treatment, school based portable dentistry, coalitions, treating the geriatric and disabled populations, as well as how to write and secure.

DENT-HYG 4120 Seminar in Dental Hygiene Credits: 2
This course is offered in conjunction with DENT-HYG 4120C Preventive Dentistry Clinic III, and is a part of the clinical education continuum. Major content emphasis includes developing problem solving abilities, managing patients with special needs and diverse backgrounds (oncology, gerontology and physical disabilities), and managing emergencies in the dental office. Skills in preventive treatment program planning and evaluation of patient care will be reinforced through community experiences and self reflection.

DENT-HYG 4120C Dental Hygiene Clinic III Credits: 4
The student will continue to develop competency in intermediate dental hygiene skills. Principles of periodontal techniques, such as root planning, pain control and supportive techniques will be stressed. Comprehensive treatment planning and implementation of comprehensive care to a diverse patient population will be the focus of this course. Continued development of professionalism, management and critical thinking skills will be emphasized.

DENT-HYG 4125 ECP III Training Course Credits: 2
The ECP III Training Course is designed to prepare a registered dental hygienist to apply for the Kansas Extended Care Permit III. Hygienists with the ECP III certificate can practice under the sponsorship of a dentist in a variety of public health settings including schools and long term care facilities in Kansas.

DENT-HYG 4130 Introduction to Instructional Technologies and Online Learning Credit: 1
The web-based multimedia course will examine the mediated communication process using Internet tools and is designed to help the incoming student become prepared to succeed in their degree program using online technologies. Students will exam the changes and challenges associated with mediated synchronous and asynchronous technologies. The course will be delivered in four different modules.

DENT-HYG 4150 Portfolio Capstone Credit: 1
The capstone course serves as the culminating experience for students in the BSDH Degree Completion Program. During the Capstone course, students will create a coherent and cohesive body of work reflective of attainment of the competencies for the BSDHDC program—in the form of an e-Portfolio.

DENT-HYG 4210 Practice Management Credits: 3
Current relevant issues impacting dental hygiene practice are discussed. Dental practice economics, communicating and management in a diverse society are included. Also included in this course is the study of jurisprudence as it relates to the practice of dental hygiene.

DENT-HYG 4230 Principles of Public Health Credits: 2
This course introduces the student to principles of public health, the field of epidemiology, health care delivery systems, public health terminology and teaching methodologies to use in culturally diverse community settings. Students will have the opportunity to assess a target population, plan, implement and evaluate appropriate programs. Students will also apply theories and skills of communication and education while preparing and presenting oral health education programs for various population groups.

DENT-HYG 4240 Ethics In Professional Practice Credit: 1
Study of ethics and ethical issue related to the practice of dental hygiene within a diverse society. Includes application of ethical principles to real-life situations.
DENT-HYG 4260 Senior Seminar Credits: 2
This course serves as a means of synthesizing information from all courses in the dental hygiene curriculum and applying content to patient cases and practice management issues. Case-based learning (CBL) will be utilized to review significant content areas as well as to introduce subjects not previously encountered during previous clinical experiences. Case based/problems based learning (PBL) with faculty facilitation will assist students in managing patient cases. This course is also designed to assist in preparing senior dental hygiene students for the written and clinical examinations required for licensure.

DENT-HYG 4260C Dental Hygiene Clinic IV Credits: 4
The student will have the opportunity to reach competency in all clinical skills. Emphasis will be placed on decision-making, problem-solving, critical thinking, appointment and time management. The course will focus on comprehensive dental hygiene care to a diverse population.

DENT-HYG 4320 Special Patient Care Practicum Credits: 2-4
Through outside agency affiliation, students will have the opportunity of applying the course content from Principles of Public Health, Dental Health Education and DHE-Practicum. Sites for participation include hospitals, nursing homes, and residential and day activity centers for developmentally disabled.

DENT-HYG 4340 Community Dentistry Practicum Credits: 2-4
The community dentistry practicum provides the student with an opportunity for personal exploration of the many settings of community dentistry. These experiences may lead the students into clinical activities or design and implementation of dental health educational programs. The student will have the opportunity to work with various community health professionals in the Kansas City area. The student will need reliable transportation and should expect some experiences to require travel. Possibilities for practicum experiences are broad and will be defined after an initial assessment of the student's interest and goals. An individual learning contract will be written following the assessment. The student will be required to meet as a group periodically throughout the semester.

DENT-HYG 4350 Periodontal Therapy Practicum Credits: 1-4
This course is designed for the dental hygiene student who desires increased experience with periodontal skills. The course involves practical experience in the graduate periodontics clinic working with a periodontology resident. Two clinic sessions per week; one seminar scheduled weekly.

DENT-HYG 4360 Practice Management Practicum Credits: 3
Current relevant issues impacting dental hygiene practice are discussed. Dental practices, economics, communication and management are included. Practical application of course would include the development of a dental office operating manual.

DENT-HYG 4380 Research Practicum Credits: 2-4
This course provides an opportunity to apply the content in the previous course Introduction to Research Design. The protocol identified may be a basic science, clinical or community dental hygiene problem. The field experience may deal with a basic or applied, descriptive or explanatory research question.

DENT-HYG 4500 Seminar on Issues in Higher Education for Health Professionals Credits: 2-4
This course is designed to introduce the student to matters encountered in higher education. Specific to dental hygiene education. Weekly readings, assignments, and sessions will familiarize the student in topics such as: writing resumes and cvs, case-based learning, accreditation, promotion and tenure, and assessment.

DENT-HYG 4600 Evidence Based Decision Making in the Clinical Practice of Dental Hygiene Credits: 2-4
This course is designed for the graduate and degree completion dental hygiene student and expand on the student's basic knowledge of the dental hygiene process of care. Utilization of evidence based decision making skills will be explored in an effort to incorporate current scientific literature, personal clinical experience and patient preferences as it relates to the delivery of comprehensive patient care. Skills taught in this course will enhance background knowledge related to the dental hygiene process of care and help to foster an attitude of critical analysis and lifelong learning.

DENT-HYG 4620 Introduction to Educational Methodology Credits: 3
This course is designed to introduce the student to basic educational methodologies and to provide participants with a better understanding of the teaching/learning process. The course includes units on instructor/student relationships, educational approaches, educational ethics and professionalism, the scholarship of teaching and learning and curriculum theory.

DENT-HYG 4625 Dental Hygiene Administration Credits: 2
This course is designed for the post-certificate dental hygiene student. Major topic areas include accreditation of dental hygiene programs, the impact of National and State Board examinations on curriculum planning, selective admissions policies and procedures, faculty evaluation, promotion and tenure and students' rights.

DENT-HYG 4630 Practicum in Dental Hygiene Administration Credits: 2-4
Under the supervision of the Director of Dental Hygiene, the student will gain actual experiences in the daily administration of a dental hygiene program. The student may contract for responsibilities such as admissions, budget preparations, course scheduling, report writing and student academic counseling.

DENT-HYG 4635 Practicum In Clinical Supervision Credits: 2-4
Under the supervision and permission of the Dental Hygiene Clinical Supervisor, the student will gain actual experience in the duties involved in coordinating the clinical education of a dental hygiene student. The student may contract for responsibilities such as, coordinating mock board examinations, maintaining student clinical records, developing faculty and student clinic schedules and report writing.
DENT-HYG 4640 Student Teaching and Conference I Credits: 2-4
Under the direction of a supervising professor, the student may select teaching experience in the classroom areas of their choice. The student develops behavioral course objectives, comprehensive lesson plans, test and examination items, classroom presentations, and prepares student evaluations in the selected classroom teaching areas. The student may select teaching assignments in one of the developed externship student teaching programs. Conferences will be held in conjunction with the course.
Prerequisites: DENT-HYG 4040, DENT-HYG 4620.

DENT-HYG 4650 Student Teaching and Conference II Credits: 2-4
The student will continue to develop teaching skills in laboratory and/or classroom areas as selected by the student under the direction of a supervising professor.
Prerequisites: DENT-HYG 4640.

DENT-HYG 4660 Independent Study in Dental Hygiene Credits: 1-4
This course is designed for the dental hygiene student who desires independent study of a particular problem or area of interest in dental hygiene education.

DENT-HYG 4680 Dental Hygiene Clinical Instruction I Credits: 2-4
Continued development of competency as a clinical instructor under the supervision of the dental hygiene faculty. Requires a half-day in clinic student instructor.
Prerequisites: DENT-HYG 4640.

DENT-HYG 4685 Dental Hygiene Clinical Instruction II Credits: 1-4
A continuation of DENT-HYG 4680. Under the supervision of the dental hygiene faculty, students may continue to develop skills as a dental hygiene clinical instructor.
Prerequisites: DENT-HYG 4680.

DENT-HYG 5500 Introduction to Educational Methodology Credits: 3
This course is designed to introduce the student to basic educational methodologies and to provide participants with a better understanding of the teaching/learning process. The course includes units on instructor/student relationships, educational approaches, educational ethics and professionalism, the scholarship of teaching and learning and curriculum theory.

DENT-HYG 5502 Foundations of Teaching Credits: 2
This course provides an introduction to the evidence-based best practices in course design for students who are preparing for a career in teaching and for those who simply wish to learn more about classroom instruction. Students will explore outcomes centered course design. Content application activities include syllabus development, writing objectives, constructing lesson plans, preparing presentations, developing course management sites, and test development.
Prerequisites: Must be a student enrolled in the MSDHE program.

DENT-HYG 5510 Student Teaching and Conference I Credits: 2-4
Student teaching experience in classroom areas as selected by the student under the direction of a supervising professor. The student develops behavioral course objectives, test and examination items, classroom presentations, and prepares student evaluations in the selected classroom teaching areas. The student may select teaching assignments in one of the developed externship student teaching programs. Conferences will be held in conjunction with the course.
Prerequisites: DENT-HYG 4040, DENT-HYG 5500.

DENT-HYG 5512 Student Teaching and Conference II Credits: 2-4
This course is designed to provide the graduate dental hygiene student with additional experience in classroom teaching. Student teaching experiences will be selected by the student under the direction of and in conference with a supervising professor.

DENT-HYG 5516 Special Issues in Higher Education for Health Professional Credits: 3
This course is designed to introduce the student to matters encountered in higher education specific to dental hygiene education. Weekly readings, assignments, and sessions will familiarize the student in topics such as: writing resumes and cvs, motivational interviewing, accreditation, promotion and tenure, and social media.

DENT-HYG 5530 Clinical Instruction and Conference I Credits: 2-4
Students will actively participate in clinical instruction under the supervision of a dental hygiene faculty member. Topics relative to clinical teaching will be discussed in weekly seminars. Students will be encouraged to apply knowledge gained in DENT-HYG 4620 and DENT-HYG 5500 during clinical instructional experiences. Additionally the student must participate in at least 1 day of clinic per week to equal another credit hour of course work.

DENT-HYG 5532 Clinical Instruction and Conference II Credits: 2-4
This course is a continuation of DENT-HYG 5530. Under the supervision of the dental hygiene faculty, the student will continue to develop skills as a dental hygiene clinical instructor.
Prerequisites: DENT-HYG 5530.
DENT-HYG 5553 Evidence Based Decision Making in the Clinical Practice of Dental Hygiene Credits: 2-4
This course is designed for the graduate and degree completion dental hygiene student and will expand on the student's basic knowledge of the dental hygiene process of care. Utilization of evidence based decision making skills will be explored in an effort to incorporate current scientific literature, personal clinical experience and patient preferences as it relates to the delivery of comprehensive patient care. Skills taught in this course will enhance background knowledge related to the dental hygiene process of care and help to foster an attitude of critical analysis and life-long learning.

DENT-HYG 5560 Practicum in Clinical Supervision and Management Credits: 2-4
Practical experience in functioning as a Clinic Supervisor. Clinical managerial projects will be assigned according to students' interests and goals by agreement between student and instructor.

DENT-HYG 5565 Advanced Special Patient Care Practicum I Credits: 1-4
This course is designed to familiarize the student with general principles of cancer therapy and the role of the dental team in the multidisciplinary care of patients undergoing oncology treatments. Special emphasis will be placed on the treatment of the patient with head and neck cancer, and preventive and palliative dental interventions for control of the orl complications associated with all cancer therapies. Cancer prevention issues and the psychosocial and economic impact of cancer diagnosis will also be discussed.

DENT-HYG 5566 Advanced Special Patient Care Practicum II Credits: 1-4
This course will provide the graduate dental hygiene student with the opportunity to explore the relationship of an oncology dental program to medical health care facilities.

DENT-HYG 5570 Administrative Practicum Credits: 1-4
Practical experience in administration. The student selects areas of responsibility based on their goals and interests in administration. Possible areas of involvement are: recruitment, admissions, curriculum and course development, course scheduling, grant and report writing and student advising.

DENT-HYG 5575 Practicing in the Dental Hygiene Public Safety Net Credits: 3
This course is designed to increase the knowledge base of practicing dental hygienists in the area of public health dentistry, including health promotion, disease prevention, current legislation, evidence based treatment, school based portable dentistry, coalitions, treating the geriatric and disabled populations, as well as how to write and secure grant monies. In addition, the course will expose dental hygienists to a variety of public health settings in which they can practice with an Extended Care Permit (in KS) or the Dental Hygiene Designation (in MO). Information on how to apply for the permits will also be shared.

DENT-HYG 5576 Extended Care Permit (ECP) III Training Course Credits: 2
The Extended Care Permit (ECP) III Training Course is designed to prepare a registered dental hygienist to apply for the Kansas Extended Care Permit III. Hygienists with the ECP III certificate can practice under the sponsorship of a dentist in a variety of public health settings including schools and long term care facilities in Kansas.

**Prerequisites:** Must be a student enrolled in the MSDHE program.

DENT-HYG 5579 Portfolio Capstone Course Credit: 1
This capstone course serves as the culminating experience for students in the MS in Dental Hygiene Education (MS in DHE). During the Capstone course, students will create a coherent and cohesive body of work reflective of attainment of the competencies for their respective programs - in the form of an e-Portfolio. This course should be taken in the semester of anticipated completion/graduation of the MS In DHE program.

DENT-HYG 5590 Independent Study Credits: 1-4
Independent study of a particular topic or area of interest to the student in dental hygiene/dentistry and/or higher education.

DENT-HYG 5595 Writing in Science Credits: 1-2
This seminar course is designed to provide advanced education students in the health professions the skills necessary to write and communicate in science. Course activities and topics include: critical analysis of the literature, literature summary tables, structure and organization of documents, style and usage, drafting, revising and finishing. Participants will practice the craft of scientific writing not only as the writer but also as the reader providing correction and reorganization where appropriate. While this course examines many writing tasks, exercise culminate with the development of a research protocol or scientific article.

DENT-HYG 5599 Research And Thesis Credits: 1-6
This course is designed to support the research process from protocol development through data collection and report of results. Research committee chairperson typically serves as the course director.