

# DOCTOR OF DENTAL MEDICINE (DMD)

The program will accomplish its goals through academic work in four themes and two threads, which are woven throughout the four years of the program. The program includes a variety of educational formats to deliver the curricula, including problem-based learning sessions, team-based learning, independent study, seminars, experiential learning opportunities, traditional lectures, laboratories, standardized patient experiences, and patient-based comprehensive care. An important goal of the curriculum is to help students become better prepared in independent learning, critical thinking skills, and the use of evidence. The curriculum includes the following themes and threads:

## Themes

### Health and Well-Being

This theme contains all curricula – both didactic and clinical – that apply to health and the normal structure and functioning of the body and of the oral complex. The traditional content areas of physiology, biochemistry, anatomy, histology, among other dental science classes, are integrated through cases to form a better bridge between the basic sciences and the clinical sciences.

### Disease Processes

The Disease Processes theme includes content related to general and oral diseases. These topics are often melded with healthy structure and function content to provide students with a global perspective of the implications of disease on usual functioning.

### Restoration of Health

This theme contains content related to therapies necessary for treatment of medical disease and dental disease. A focus on restoring oral health is accomplished through virtual reality clinical skills training, training on models and progression to comprehensive dental care in conjunction with didactic knowledge.

### Maintenance of Health

The Maintenance of Health theme focuses on curriculum which explores strategies for preserving health through general and oral health therapies, patient education, disease risk assessment, and disease prevention. This theme provides viewpoint from which students can develop life-long care plans for their patients.

## Threads

### Inquiry

This thread that runs throughout the four-year program supports student growth in skills in clinical decision making. Students develop an understanding of what scientific evidence is, how to make clinical decisions, and to value scientific discovery in all aspects of dentistry.

### Leadership

This thread contains curriculum for the development of students as ethical, sensitive, caring practitioners who are stewards of oral health of the individual patient, the community, and society. An important focus in Leadership curriculum is content that helps students advance in their role as a professional. It also supports the integration of all students into the practice management curriculum centered within their clinical preceptor groups.

## Years

### Year 1

This year includes curriculum describing normal healthy functioning and disease processes. Basic science content is taught in the context of clinical cases. Foundational work in understanding human structure and function is paired with learning about disease. Dental clinical sciences study the foundational elements of oral health.

### Year 2

This year continues with an integrated approach to curricula in health and disease with an emphasis on the development of dental clinical skills. Further development of students as clinicians proceeds with their involvement in the clinical preceptor groups. Students will make a transition to increasing patient-centered clinical care as they demonstrate competency in clinical skills and didactic knowledge.

### Year 3

This year includes didactic work related to advancing levels of knowledge and clinical experience. Students spend time in didactic classes that are directly related to clinical practice and in rotations to specialty clinical areas while accomplishing comprehensive patient care.

### Year 4

Students gain clinical experience in the Comprehensive Care Clinics and finish didactic work which may include enrichment courses. They participate in practice management activities of their preceptor group, developing critical skills for general practice dentistry.

## Doctor of Dental Medicine (DMD)

### First Year Courses

#### First Term

DSPR 136	Cariology	-
HEWB 121	Foundations of Life Science	-
HEWB 130	Oral Histology	-
HWDP 131	Heart and Lungs in Health and Disease	-
LDRS 100	Introduction to Interprofessional Education and Collaboration (graded in the spring)	-
LDRS 111	Epidemiology for Public Health and Clinical Practice	-
MAHE 141	Preventive Periodontics	-
MAHE 144	Preventive Periodontics Clinic (graded in the spring)	-
MAHE 145	ACE: Outreach Preventive Dentistry	-
REHE 151	Dental Anatomy	-
REHE 153	Dental Anatomy Laboratory	-

#### Second Term

HEWB 123	Facial Growth	-
HEWB 124	Masticatory Dynamics	-
HEWB 126	Masticatory Dynamics Lab	-
HEWB 128	Body as Host	-
HEWB 134	Head and Neck Structure and Function	-
INQU 102	ACE: Knowing the Patient	-
LDRS 100	Introduction to Interprofessional Education and Collaboration	-
LDRS 116	Promoting Evidence-based Dentistry I	-
MAHE 144	Preventive Periodontics Clinic	-
MAHE 147	ACE Clinical Outreach Preventive Dentistry	-

REHE 152	Basic Procedures in Fixed Prosthetics	-
REHE 154	Basic Procedures in Fixed Prosthetics Lab	-
REHE 158	Dental Materials I	-
REHE 162	Basic Procedures in Operative Dentistry I	-
REHE 172	Basic Procedures in Operative Dentistry I Lab	-
HEWB Foundations of Life Science		
Total Units		0

## Second Year Courses

First Term		
DSPR 239	Neoplasia	-
HWDP 232	Renal and Hematologic Systems in Health and Disease	-
HWDP 241	Gastrointestinal System in Health and Disease	-
HWDP 243	Endocrine and Reproductive Systems in Health and Disease	-
HWDP 245	Musculoskeletal System in Health and Disease	-
HWDP 246	Neuroscience in Health and Disease	-
MAHE 242	Periodontics (graded in the spring)	-
REHE 229	Introduction to Radiography	-
REHE 257	Prosthodontic Technology	-
REHE 259-1	Basic Procedures in Fixed Prosthodontics II	-
REHE 260-1	Basic Procedure Fixed Prosthodontics II Lab	-
REHE 262	Basic Procedures in Operative Dentistry II	-
REHE 272	Basic Procedures in Operative Dentistry II Lab	-
REHE 267	Prosthodontic Technology Lab	-
REMA 261	Preclinical Orthodontics	-
Second Term		
DSPR 232	Periodontics	-
DSPR 234	Oral and Maxillofacial Pathology	-
DSPR 244	Principles of Medicine	-
MAHE 214	ACE: Family First	-
MAHE 242	Periodontics	-
REHE 252	Pain Control	-
REHE 253	Basic Procedures in Esthetics	-
REHE 254	Pharmacology	-
REHE 256	Radiologic Interpretation	-
REHE 258	Principles of Treatment Planning I	-
REHE 259-2	Basic Procedures in Fixed Prosthodontics II	-
REHE 260-2	Basic Procedure Fixed Prosthodontics II Lab	-
REHE 263	Basic Procedure in Esthetics Lab	-
REHE 264	Endodontics	-
REHE 266	Partial Denture Design	-
REHE 276	Partial Denture Design Lab	-
REHE 268	Basic Procedures Competency	-
REHE 274	Endodontics Lab	-
REMA 270	Introduction to Pediatrics	-
Total Units		0

## Third Year Courses

Summer Term		
DSPR 333	Management of Medical Emergencies	-
DSRE 335	Clinical Pharmacology	-

DSRE 395	Introduction to Oral and Maxillofacial Surgery	-
HEWB 349	Dentofacial Morphology	-
LDRS 313	Dental Patient Management/Risk Management	-
REHE 358	Dental Materials II	-
First Term		
COMP 387	General Practice Dentistry A	-
COMP 389	General Practice Dentistry B	-
DSPR 341	Oral Diagnosis and Radiology	-
DSRE 391	Endodontics	-
DSRE 393	Principles of Oral and Maxillofacial Surgery I	-
DSRE 397-1	Temporomandibular Disorders and Occlusion	-
LDRS 317	Dental Auxiliary Management	-
REHE 351	Surgical Periodontics	-
REHE 353	Principles of Treatment Planning II	-
REHE 355	Esthetic Dentistry	-
REHE 360	Implant Dentistry	-
Second Term		
COMP 390	General Practice Dentistry A	-
COMP 394	General Practice Dentistry B	-
DSPR 342	Oral Cancer Diagnosis	-
DSRE 370	Principles of Oral and Maxillofacial Surgery II	-
DSRE 374	Fixed Prosthodontics	-
DSRE 392	Nitrous Oxide and Conscious Sedation	-
DSRE 397-2	Temporomandibular Disorders and Occlusion	-
LDRS 310	Professional Development	-
LDRS 316	Practice Management I	-
MAHE 340	Nutrition for Dentistry	-
REHE 362	Clinical Application of CAD/CAM Technologies	-
REMA 380	Introduction to Geriatric Dentistry	-
Total Units		0

## Fourth Year Courses

Summer Term		
COMP 322	Surgical Periodontics	-
COMP 328	Oral Diagnosis and Treatment Planning	-
COMP 348	Endodontics	-
COMP 358	Clinical Oral Surgery I	-
COMP 378	Pediatric Dentistry Clinic	-
COMP 384	General Dentistry Clinical Qualifying	-
COMP 386	Quality Assurance	-
LDRS 415	Practice Management II	-
REHE 413	Advanced Implant Dentistry I	-
First Term		
COMP 417	Community Oral Health Capstone Experience (graded in the spring)	-
COMP 422	Periodontics (graded in the spring)	-
COMP 428	Oral Diagnosis and Radiology (graded in the spring)	-
COMP 448	Endodontics (graded in the spring)	-
COMP 458	Clinical Oral Surgery II (graded in the spring)	-
COMP 464	Operative Dentistry (graded in the spring)	-
COMP 468	Removable Prosthodontics (graded in the spring)	-
COMP 474	Fixed Prosthodontics (graded in the spring)	-

COMP 478	Pediatric Dentistry (graded in the spring)	-
COMP 480	Clinical Geriatric Dentistry (graded in the spring)	-
COMP 482	Clinical Orthodontics (graded in the spring)	-
COMP 487	General Practice Dentistry A	-
COMP 489	General Practice Dentistry B	-
COMP 492	General Dentistry Clinical Competency (Graded in Spring)	-
DSPR 426	Oral Diagnosis Seminar	-
LDRS 416	Practice Management III	-
LDRS 420	Jurisprudence and Professional Ethical Responsibility	-
REHE 400-1	Regional Board Preparation	-
REHE 421	Periodontal Medicine and Cases	-
REHE 455	General Anesthesia, Oral Surgery	-
REHE 482	Orthodontics	-
REHE 488	Case Presentations I	-
Second Term		
COMP 417	Community Oral Health Capstone Experience	-
COMP 422	Periodontics	-
COMP 428	Oral Diagnosis and Radiology	-
COMP 448	Endodontics	-
COMP 458	Clinical Oral Surgery II	-
COMP 464	Operative Dentistry	-
COMP 468	Removable Prosthodontics	-
COMP 474	Fixed Prosthodontics	-
COMP 478	Pediatric Dentistry	-
COMP 480	Clinical Geriatric Dentistry	-
COMP 482	Clinical Orthodontics	-
COMP 490	General Practice Dentistry A	-
COMP 492	General Dentistry Clinical Competency	-
COMP 494	General Practice Dentistry B	-
COMP 498	Quality Assurance	-
REHE 400-2	Regional Board Preparation	-
REHE 414	Advanced Implant Dentistry II	-
REHE 489	Case Presentations II	-
Total Units		0