

Class	Hours Per Week			Credit
	Lab	Clinic		

## DENTAL

**DEN 100 Basic Orofacial Anatomy**      **2**      **0**      **0**      **2**

Prerequisite(s): Enrollment in the Dental Assisting program

Corequisite(s): None

This course provides a basic introduction to the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to demonstrate knowledge of normal structures and development and how they relate to the practice of dental assisting. *This is a diploma-level course.*

**DEN 101 Preclinical Procedures**      **4**      **6**      **0**      **7**

Prerequisite(s): Enrollment in the Dental Assisting program

Corequisite(s): None

This course provides instruction in procedures for the clinical dental assistant as specified by the North Carolina Dental Practice Act. Emphasis is placed on orientation to the profession, infection control techniques, instruments, related expanded functions, and diagnostic, operative, and specialty procedures. Upon completion, students should be able to demonstrate proficiency in clinical dental assisting procedures. *This is a diploma-level course.*

**DEN 102 Dental Materials**      **3**      **4**      **0**      **5**

Prerequisite(s): Enrollment in the Dental Assisting program

Corequisite(s): None

This course provides instruction in identification, properties, evaluation of quality, principles, and procedures related to manipulation and storage of operative and specialty dental materials. Emphasis is placed on the understanding and safe application of materials used in the dental office and laboratory. Upon completion, students should be able to demonstrate proficiency in the laboratory and clinical application of routinely used dental materials. *This is a diploma-level course.*

**DEN 103 Dental Sciences**      **2**      **0**      **0**      **2**

Prerequisite(s): Enrollment in the Dental Assisting program

Corequisite(s): None

This course is a study of oral pathology, pharmacology, and dental office emergencies. Topics include oral pathological conditions, dental therapeutics, and management of emergency situations. Upon completion, students should be able to recognize abnormal oral conditions, identify classifications, describe actions and effects of commonly prescribed drugs, and respond to medical emergencies. *This is a diploma level-course.*

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<b>DEN 104 Dental Health Education</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>3</b>
Prerequisite(s): Enrollment in the Dental Assisting program				
Corequisite(s): None				
This course covers the study of preventive dentistry to prepare dental assisting students for the role of dental health educator. Topics include etiology of dental diseases, preventive procedures, and patient education theory and practice. Upon completion, students should be able to demonstrate proficiency in patient counseling and oral health instruction in private practice or public health settings. <i>This is a diploma-level course.</i>				
<b>DEN 105 Practice Management</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s): Enrollment in the Dental Assisting program				
Corequisite(s): None				
This course provides a study of principles and procedures related to management of the dental practice. Emphasis is placed on maintaining clinical and financial records, patient scheduling, and supply and inventory control. Upon completion, students should be able to demonstrate fundamental skills in dental practice management. <i>This is a diploma-level course.</i>				
<b>DEN 106 Clinical Practice I</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>5</b>
Prerequisite(s): DEN 101				
Corequisite(s): None				
This course is designed to provide experience assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to utilize classroom theory and laboratory and clinical skills in a dental setting. <i>This is a diploma-level course.</i>				
<b>DEN 107 Clinical Practice II</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>5</b>
Prerequisite(s): DEN 106				
Corequisite(s): None				
This course is designed to increase the level of proficiency in assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to combine theoretical and ethical principles necessary to perform entry-level skills including functions delegable to a DA II. <i>This is a diploma level-course.</i>				

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<b>DEN 110 Orofacial Anatomy</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>3</b>
Prerequisite(s):	Enrollment in the Dental Hygiene program			
Corequisite(s):	None			
This course introduces the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to relate the identification of normal structures and development to the practice of dental assisting and dental hygiene.				
<b>DEN 111 Infection/Hazard Control</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s):	Enrollment in the Dental Hygiene or Dental Assisting program			
Corequisite(s):	None			
This course introduces the infection and hazard control procedures necessary for the safe practice of dentistry. Topics include microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic technique, infectious diseases, OSHA standards, and applicable North Carolina laws. Upon completion, students should be able to understand infectious diseases, disease transmission, infection control procedures, biohazard management, OSHA standards, and applicable North Carolina laws.				
<b>DEN 112 Dental Radiography</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>
Prerequisite(s):	Enrollment in the Dental Hygiene or Dental Assisting program			
Corequisite(s):	None			
This course provides a comprehensive view of the principles and procedures of radiology as they apply to dentistry. Topics include techniques in exposing, processing, and evaluating radiographs, as well as radiation safety, quality assurance, and legal issues. Upon completion, students should be able to demonstrate proficiency in the production of diagnostically acceptable radiographs using appropriate safety precautions.				
<b>DEN 120 Dental Hyg Preclinic Lecture</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s):	Enrollment in the Dental Hygiene program			
Corequisite(s):	DEN 121			
This course introduces preoperative and clinical dental hygiene concepts. Emphasis is placed on the assessment phase of patient care as well as the theory of basic dental hygiene instrumentation. Upon completion, students should be able to collect and evaluate patient data at a basic level and demonstrate knowledge of dental hygiene instrumentation.				

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<b>DEN 121 Dental Hygiene Preclinic Lab</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>2</b>
Prerequisite(s): Enrollment in the Dental Hygiene program				
Corequisite(s): DEN 120				
This course provides the opportunity to perform clinical dental hygiene procedures discussed in DEN 120. Emphasis is placed on clinical skills in patient assessment and instrumentation techniques. Upon completion, students should be able to demonstrate the ability to perform specific preclinical procedures.				
<b>DEN 123 Nutrition/Dental Health</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s): Enrollment in the Dental Hygiene program				
Corequisite(s): None				
This course introduces basic principles of nutrition with emphasis on nutritional requirements and their application to individual patient needs. Topics include the study of the food pyramid, nutrient functions, Recommended Daily Allowances, and related psychological principles. Upon completion, students should be able to recommend and counsel individuals on their food intake as related to their dental health.				
<b>DEN 124 Periodontology</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s): DEN 110				
Corequisite(s): None				
This course provides an in-depth study of the periodontium, periodontal pathology, periodontal monitoring, and the principles of periodontal therapy. Topics include periodontal anatomy and a study of the etiology, classification, and treatment modalities of periodontal diseases. Upon completion, students should be able to describe, compare, and contrast techniques involved in periodontal/maintenance therapy, as well as patient care management.				
<b>DEN 130 Dental Hygiene Theory I</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s): DEN 120				
Corequisite(s): DEN 131				
This course is a continuation of the didactic dental hygiene concepts necessary for providing an oral prophylaxis. Topics include deposits/removal, instrument sharpening, patient education, fluorides, planning for dental hygiene treatment, charting, and clinical records and procedures. Upon completion, students should be able to demonstrate knowledge needed to complete a thorough oral prophylaxis.				

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<b>DEN 131 Dental Hygiene Clinic I</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>3</b>
Prerequisite(s): DEN 121				
Corequisite(s): DEN 130				
This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of the recall patients with gingivitis or light deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.				
<b>DEN 140 Dental Hygiene Theory II</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
Prerequisite(s): DEN 130				
Corequisite(s): DEN 141				
This course provides a continuation of the development, theory, and practice of patient care. Topics include modification of treatment for special needs patients, advanced radiographic interpretation, and ergonomics. Upon completion, students should be able to differentiate necessary treatment modifications, effective ergonomic principles, and radiographic abnormalities.				
<b>DEN 141 Dental Hygiene Clinic II</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>
Prerequisite(s): DEN 131				
Corequisite(s): DEN 140				
This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with early periodontal disease and subgingival deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.				
<b>DEN 220 Dental Hygiene Theory III</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s): DEN 140				
Corequisite(s): DEN 221				
This course provides a continuation in developing the theories and practices of patient care. Topics include periodontal debridement, pain control, subgingival irrigation, air polishing, and case presentations. Upon completion, students should be able to demonstrate knowledge of methods of treatment and management of periodontally compromised patients.				

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<b>DEN 221 Dental Hygiene Clinic III</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>4</b>	
Prerequisite(s): DEN 141					
Corequisite(s): DEN 220					
This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with moderate to advanced periodontal involvement and moderate deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.					
<b>DEN 222 General and Oral Pathology</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	
Prerequisite(s): BIO 163 or BIO 168					
Corequisite(s): None					
This course provides a general knowledge of oral pathological manifestations associated with selected systemic and oral diseases. Topics include developmental and degenerative diseases, selected microbial diseases, specific and nonspecific immune and inflammatory responses with emphasis on recognizing abnormalities. Upon completion, students should be able to differentiate between normal and abnormal tissues and refer unusual findings to the dentist for diagnosis.					
<b>DEN 223 Dental Pharmacology</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	
Prerequisite(s): None					
Corequisite(s): BIO 163 or BIO 168					
This course provides basic drug terminology, general principles of drug actions, dosages, routes of administration, adverse reactions, and basic principles of anesthesiology. Emphasis is placed on knowledge of drugs in overall understanding of patient histories and health status. Upon completion, students should be able to recognize that each patient's general health or drug usage may require modification of the treatment procedures. Also included in this course are the procedures for handling dental office emergencies.					
<b>DEN 224 Materials &amp; Procedures</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>2</b>	
Prerequisite(s): DEN 111					
Corequisite(s): None					
This course introduces the physical properties of materials and related procedures used in dentistry. Topics include restorative and preventative materials, fabrication of casts and appliances, and chairside functions of the dental hygienist. Upon completion, students should be able to demonstrate proficiency in the laboratory and/or clinical application of routinely used dental materials and chairside functions.					

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<b>DEN 230 Dental Hygiene Theory IV</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
Prerequisite(s): DEN 220				
Corequisite(s): DEN 231				
This course provides an opportunity to increase knowledge of the profession. Emphasis is placed on dental specialties and completion of a case presentation. Upon completion, students should be able to demonstrate knowledge of various disciplines of dentistry and principles of case presentations.				
<b>DEN 231 Dental Hygiene Clinic IV</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>4</b>
Prerequisite(s): DEN 221				
Corequisite(s): DEN 230				
This course continues skill development in providing an oral prophylaxis. Emphasis is placed on periodontal maintenance and on treating patients with moderate to advanced/refractory periodontal disease. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.				
<b>DEN 232 Community Dental Health</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>
Prerequisite(s): Enrollment in the Dental Hygiene program				
Corequisite(s): None				
This course provides a study of the principles and methods used in assessing, planning, implementing, and evaluating community dental health programs. Topics include epidemiology, research methodology, biostatistics, preventive dental care, dental health education, program planning, and financing and utilization of dental services. Upon completion, students should be able to assess, plan, implement, and evaluate a community dental health program.				
<b>DEN 233 Professional Development</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Prerequisite(s): Enrollment in the Dental Hygiene program				
Corequisite(s): None				
This course includes professional development, ethics, and jurisprudence with applications to practice management. Topics include conflict management, state laws, resumes, interviews, and legal liabilities as health care professionals. Upon completion, students should be able to demonstrate the ability to practice dental hygiene within established ethical standards and state laws.				