
232 / Criminal Justice, Dental Hygiene

CJAd 390 (F) 3 hrs. cr.

Crime Analysis

A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences, and the initiation of target profile analysis.

CJAd 400 (Demand) 3 hrs. cr.

Homicide Investigation

Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal, or criminal cause.

CJAd 410 (Demand) 3 hrs. cr.

Juvenile Procedures

Examines the evolution of the juvenile justice system as well as current practice and procedure in juvenile and family courts. Focus on law, jurisdiction, constitutional requirements and court rules. Also considers topics such as juvenile gangs, child abuse and neglect, child custody, and status offenders.

CJAd 411 (Demand) 3 hrs. cr.

Juvenile Corrections

(Writing Intensive)

Overview of the design and legal requirements of juvenile correctional institutions including an analysis of the juvenile interstate compact laws and management principles of juvenile correctional institutions.

CJAd 412 (Demand) 3 hrs. cr.

Correctional Practices

(Writing Intensive)

History of corrections as it relates to correctional practices. In-depth study of the rights of the incarcerated inmate as well as the powers and duties of the correctional officer.

CJAd 430 (Demand) 3 hrs. cr.

Family Violence

Introduces the dynamics of family violence from the perspective of law enforcement. Examines the relationships between victims, offenders, and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system.

CJAd 440 (Demand) 3 hrs. cr.

Victims and the Criminal Justice System

Introduces the study of victimization. Examines the relationship between victims and the criminal justice system.

CJAd 450 (Demand) 3 hrs. cr.

Criminal Evidence

Rules of evidence, admissibility, presumptions, inferences, burden of proof, and exceptions to the hearsay rule. Prerequisite: LE 210, LE 250, or permission.

CJAd 460 (Demand) 3 hrs. cr.

Cultural Diversity

Students seeking cross-cultural knowledge and sensitivity in criminal justice learn practical methods for dealing with diverse cultures, ethnic groups, and those who are physically, mentally, and emotionally challenged.

CJAd 490 (F,S) 4-8 hrs. cr.

Internship in Criminal Justice

Extensive practical experience with an area criminal justice agency, subject to individual committee approval. Not open to those who have taken LE 180. Prerequisite: Junior or senior standing, CJAd major, department approval, overall GPA 2.5, and a CJAd GPA 3.2.

CJAd 498 (Demand) 1-3 hrs. cr.

Advanced Topics in Criminal Justice Administration

A survey of current advances in the field. Precise topics to be announced. For upper division majors in CJAd or those who have completed the A.S. degree in law enforcement. Prerequisite: Permission of instructor.

CJAd 499 (F,S) 1-3 hrs. cr.

Independent Study in Criminal Justice

Individually directed study for advanced majors in area of criminal justice selected with adviser approval. Proposal must be approved by program director and school dean. Prerequisite: 3.5 GPA in major area or permission.

DENTAL HYGIENE

Ummel Technology Building 102, 417-625-9709

Faculty Scorse DeTar - Head, Moore, Rogers, Strait, White

The dental hygienist is a dynamic health care professional who is the only member of the dental health team, other than the dentist, licensed to provide direct care to the patient. The diverse duties of the dental hygienist are rewarding and include oral prophylaxis (cleaning); exposing, processing and mounting radiographs; collecting and evaluating medical history information; performing head and neck examinations; periodontal assessment and therapy; applying agents for the prevention of decay; applying desensitizing and antimicrobial agents; and administering local anesthesia and nitrous oxide analgesia. The dental hygienist also acts as a dental health educator and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental schools; industrial clinics; the armed services; and research institutions. Missouri Southern offers an Associate of Science degree in Dental Hygiene. Upon satisfactory completion, graduates are eligible to take the National Board Examination and practical examinations required for licensure in Missouri and other states.

Admission to Missouri Southern does not automatically grant admission to the Dental Hygiene Program. In addition to meeting admission requirements for the University, candidates must apply for admission to the Department of Dental Hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by January 31. Applicants must have an overall GPA of 2.75 to apply or a GPA of 2.50 with an ACT composite score of 25 or better.

Evidence of satisfactory completion of the following prerequisites with a "C" or better must be presented:

Bio 121 Human Anatomy & Physiology I
Eng 101 English Composition

Math 030	Intermediate Algebra (or higher)
Chem 100	Introductory Chemistry
Bio 231	General & Medical Microbiology
Bio 221	Human Anatomy & Physiology II
Comm 100	Oral Communications
Kine 103	Lifetime Wellness

DH 320	Pharmacology	2
DH 330	Ethics and Community Dentistry*	3
DH 390	Clinical Dental Hygiene III*	5
Bio 231	Medical Microbiology*	5
Bio 240	Radiation Biology*	3
Bio 221	Human Physiology and Anatomy*	5
Chem 100	Introductory Chemistry*	5
Soc 110	Introduction to Sociology	3
Psy 100	General Psychology	3

Enrollment is limited and applicants are admitted contingent upon a criminal record check, the completion of physical and dental examinations, and the rendering of an acceptable health status. Students are admitted to the Dental Hygiene Program only in the fall of each year.

*See course descriptions for prerequisites.

Interested individuals are encouraged to contact the Dental Hygiene Department Head for more specific information regarding admissions criteria.

Suggested Order of Study

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students: \$250 to \$1250 per semester for laboratory fees. Various expenses for transportation to off campus clinical sites and professional meetings will occur. In addition, approximately \$1000 for licensure exams, which will vary depending on state(s) in which license is desired.

Associate of Science - over three years
Major Code 5203
Dental Hygiene Major

The Associate of Science in Dental Hygiene requires a minimum of 89 credit hours, including the prerequisite courses. All courses in the Suggested Order of Study must be completed in the prescribed sequence. Course grades of "C" or above in dental hygiene and supporting science courses are necessary for retention in the dental hygiene program. (The successful dental hygiene applicants tend to be the ones who have completed the majority or all of the science and Core Curriculum courses with the exception of the dental hygiene courses.)

Fall Semester	Prerequisites	Hours
Bio 121	Human Anatomy/Physiology I	4
CORE	[Eng 101 Comp I]	3
Math 030	Inter Algebra (or higher)	3
Chem 100	Introductory Chemistry (w/lab)	5
		15

Spring Semester	Prerequisites	Hours
Bio 231	General & Medical Microbiology (w/lab)	5
Bio 221	Human Anatomy/Physiology II	5
CORE	[Comm 100 Oral Communication]	3
CORE	[Kine 103 Lifetime Wellness]	2
		15

The program in Dental Hygiene is accredited by the Commission on Dental Accreditation [and has been granted the accreditation of "approval without reporting requirements"]. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at 312.440.4653 or at 211 East Chicago Avenue, Chicago IL 60611.

Fall Semester	1st Year Dental Hygiene	Hours
DH 101	Fundamentals of Dental Hygiene I	4
DH 140	Dental Morphology	1
DH 150	Oral Histology & Embryology	3
Psy 100	General Psychology	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 or MO Const Test]*	3
		12-15

Associate of Science Degree in Dental Hygiene

	Semester Hours
Core Requirements (p. 33)	25
Dental Hygiene Requirements	64
DH 101	Fundamentals of Dental Hygiene I. 4
DH 102	Fundamentals of Dental Hygiene II* 4
DH 140	Dental Morphology 1
DH 150	Oral Histology and Embryology 3
DH 160	Dental Radiology 2
DH 190	Clinical Dental Hygiene I* 2
DH 300	Dental Health Education 3
DH 340	Perio-Pathology 4
DH 220	Dental Materials 3
DH 290	Clinical Dental Hygiene II* (WI) 5
DH 310	Nutrition 2

Spring Semester	1st Year Dental Hygiene	Hours
DH 102	Fundamentals of Dental Hygiene II	4
DH 160	Dental Radiology	2
DH 220	Dental Materials	3
DH 310	Nutrition	2
Bio 240	Radiation Biology	3
		14

Summer Session	1st Year Dental Hygiene	Hours
DH 190	Clinical Dental Hygiene I	2
DH 340	Perio-Pathology	4
		6

Fall Semester	2nd Year Dental Hygiene	Hours
DH 300	Dental Health Education	3
DH 290	Clinical Dental Hygiene II (WI)	5
DH 320	Pharmacology	2
CORE	[Hist 110 or 120]	3
		13

234 / Dental Hygiene

Spring Semester	2nd Year Dental Hygiene	
DH 330	Ethics & Community Dentistry	3
DH 390	Clinical Dental Hygiene III	5
CORE	[Humanities or Fine Arts]	3
Soc 110	Introduction to Sociology	3
		14

*12 hours if Missouri Constitution Test is passed.
[Department Recommendation]

For additional information contact:

Sandra A. Scorse DeTar, D.D.S.
Office: Technology Building 111-E
Phone: 417.625.9709 / 417.625.9600 / 417.625.9711
Email: scorse-s@mssu.edu

Course Descriptions

DH 101 (F) 4 hrs. cr.
Fundamentals of Dental Hygiene I
Introduction to fundamental theories, principles, and procedures necessary to provide dental hygiene services. Theories and principles are applied in clinical laboratory setting. Two hours lecture, 6 hours lab per week.

DH 102 (S) 4 hrs. cr.
Fundamentals of Dental Hygiene II
Continuation of DH 101 with further enrichment of skills necessary to perform preventive oral health services. Theories and principles are applied in clinical laboratory setting. Two hours lecture, 6 hours lab per week. Prerequisites: DH 101 with minimum grade of "C" or instructor's permission.

DH 140 (F) 1 hr. cr.
Dental Morphology
Detailed study of morphology of deciduous and permanent teeth in relation to fossal cusps, grooves, ridges, roots, and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hour lecture per week.

DH 150 (F) 3 hrs. cr.
Oral Histology and Embryology
Study of the gross and microscopic development of the teeth, supportive structures of the teeth, and embryology and anatomy of head and neck region. Two hours lecture, three hours lab per week.

DH 160 (S) 2 hrs. cr.
Dental Radiology
Theory and technique of exposing, developing, mounting, and care of dental radiographs. Interpretation of radiograph findings is discussed; principles of radiation safety are emphasized. One hour lecture, four hours lab per week.

DH 190 (Summer) 2 hrs. cr.
Clinical Dental Hygiene I
Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications, and charting the oral

cavity. Sixteen hours lab per week, one hour of lab will be used per week for content and organizational review of course. Prerequisite: DH 102 with minimum grade of "C" and CPR Certification course C.

DH 220 (S) 3 hrs. cr.
Dental Materials

Information about various dental materials. Students learn to make alginate impressions, plaster models, and manipulate other materials. Required course for dental hygiene curriculum. Prerequisite: DH 101 Fundamentals of Dental Hygiene I with a "C" or above or instructor's permission. Two hours lecture, two hours lab per week.

DH 290 (F) 5 hrs. cr.
Clinical Dental Hygiene I/Local Anesthesia *(Writing Intensive)*

Continuation of DH 190 with added responsibilities as skills develop. Lecture information on advanced dental hygiene techniques and techniques for local anesthesia and pain control. Practical experience in infiltration anesthesia during the laboratory session. Multicultural experience is gained through rotations in extended campus facilities. One hour lecture, 16 hours clinical lab per week. Prerequisites: DH 190 with minimum grade of "C" or instructor's permission.

DH 300 (F) 3 hrs. cr.
Dental Health Education
Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups, and experience in providing dental health education to mentally and physically handicapped and geriatric patients. Three hours lecture per week.

DH 310 (S) 2 hrs. cr.
Nutrition
Nutrition and diet as related to dental health, biochemistry of digestion, and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hours lecture per week.

DH 320 (F) 2 hrs. cr.
Pharmacology
Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action, and drug interactions. Emphasis on drugs affecting oral health and drugs used in dentistry. Two hours lecture per week.

DH 330 (S) 3 hrs. cr.
Ethics and Community Dentistry
Professional ethics and commitment, professional organizations, state practice acts, and practical consideration of methods and problems associated with operating and maintaining a dental practice. Definition and identification of the scope of public and dental public health. Consideration of philosophy; health legislation; federal, state, and local health programs; needs and demands for dental care; and mechanisms for financing dental care. Three hours lecture per week. Prerequisites: DH 200 with minimum grade of "C."

DH 340 (Summer) 4 hrs. cr.
Perio-Pathology
Lecture periods are devoted to the study of oral pathological conditions, including etiology, degenerative process, inflammation and immunity. Etiology, assessment, treatment, and prevention of periodontal disease is stressed. Four hours lecture per week.

DH 390 (S) 5 hrs. cr.

Clinical Dental Hygiene III

Continuation of DH 290. Clinical experience in advanced clinical procedures and dental assisting procedures, including experience in extended campus facilities. Principles of four-handed dentistry in the lecture portion and discussion of the eight recognized dental specialties including their relationship to preventive dentistry. One hour lecture, 16 hours lab per week. Prerequisite: DH 290 with minimum grade of "C" or instructor's permission.



Faculty Pippin, Schiska, Scorse, Strait, Wells

Health is widely acknowledged as a major growth industry, with employment opportunities forecast to continue their strong upward trends of recent years. Opportunities for advancement will be greatest for people with a baccalaureate degree.

Associate degree prepared health profession majors and clinicians in the field who desire a baccalaureate degree have limited options to fulfill their educational goals. Currently, the associate health profession majors actively pursuing a baccalaureate degree cannot utilize the upper division courses completed in the health curriculum toward a baccalaureate degree. Graduates and clinicians from the health professions continually inquire about baccalaureate degree options to meet their busy professional lives. The new Health Science degree is a specified course of study that would enhance a clinician's expertise and opportunities for advancement. The design of the Health Science curriculum is to prepare students for career paths in the health sector, including administration, management, and health promoters in educational or clinical settings in school, community, or public health environments.

Courses in the curriculum are offered on campus as well as web based. The demand for this degree will be great among current students, past graduates, and clinicians working in their field.

The Bachelor of Science degree in Health Sciences is granted to students who complete the required program of study. These requirements include the basic requirements for all Bachelor of Science degree programs, required science and other supportive courses in the health science areas of emphasis plus 18 hours of core identified for the health science major. The degree is designed with two options.

- **Option One:** Allows students who complete an Associate of Science in an allied health field to select a degree that will strengthen and utilize the associate curriculum within the Health Science degree.

- **Option Two:** Is available for students who do not have a health profession background but would like to pursue a Bachelor of Health Science degree. As a major in B.S. Health Science, students will undertake a course of study that blends three areas of emphasis that is comprised not only of the Health Science (18 hours) core requirements but includes courses in Business (21 hours) and the Life/Health Sciences (21-27 hours).

The courses in the curriculum are offered on campus as well as web based. The demand for this degree will be great among current students, past graduates, and clinicians currently working in the health industry. The following is the curriculum for the **Bachelor of Science Degree in Health Science.**

Emphasis:

- a. Dental Hygiene
- b. Radiology Technology
- c. Respiratory Therapy
- d. Business / Life-Health Science

Emphasis – Dental Hygiene

Core Requirements (p. 32) 51*	39
Health Sciences	18
Comm 305 Intercultural Communication (WI) *	
(Area 5A)	3
MM 350 Principles of Management (WI)	3
Phil 312 Biomedical Ethics	3
Psy 320 Applied Statistics for Behavioral & Natural Science	3
Bio 380 Epidemiology	
OR	
Bio 370 Environmental Health	3
HS 390 Health Care System	3
Dental Hygiene Core Requirements	68
Bio 231 General & Medical Microbiology	5
Bio 121 Anatomy & Physiology I * (Area 3A) ...	4
Bio 221 Anatomy & Physiology II	5
Chem 100 General Chemistry* (Area 3B)	5
Bio 240 Radiation Biology	3
Psy 100 General Psychology or Introduction to Sociology **	3
DH 101 Fundamental of Dental Hygiene	4
DH 102 Fundamental of Dental Hygiene II	4
DH 140 Dental Morphology	1
DH 150 Oral Histology and Embryology	3
DH 160 Dental Radiology	2
DH 300 Dental Health Education	3
DH 340 Periodontology & Pathology	4
DH 220 Dental Materials	3
DH 190 Clinical Dental Hygiene I	2
DH 290 Clinical Dental Hygiene II (WI)	5
DH 390 Clinical Dental Hygiene III	5
DH 310 Nutrition	2
DH 320 Pharmacology	2
DH 330 Ethics & Community Dentistry	3
(19 upper division in Dental Hygiene Core)	
TOTAL	125