
240 / Criminal Justice Administration, Dental Hygiene

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 455 (Demand) 3 hrs. cr.
Interview and Interrogation
This course will present detailed information about interviewing and interrogation techniques. This course will also examine the law governing interviews and interrogations as well as certain aspects of admissibility of confessions as evidence in criminal cases. Prerequisites: LE210 or permission of the instructor.

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 475 (Demand) 3 hrs. cr.
Organized Crime
The course will provide an overview of American and internationally organized crime and the legal techniques used to address the problem. Emphasis will be placed on the major groups and their principal forms of criminal activity: drugs, trafficking of human beings, money laundering and financial crimes. The emerging effort to fight organized crime internationally will be examined. Prerequisites: LE 210 or permission.

CJAd 485 (Demand) 3 hrs. cr.
Child Exploitation and Child Pornography Investigation
The course will examine legal and criminalistic concepts and procedures for the legal investigation of sexual exploitation of children and child pornography. Prerequisites: LE 100 or permission.

CJAd 487 (Demand) 3 hrs. cr.
Rape and Sexual Assault Investigation
This course is designed to prepare students to investigate rapes and sexual assaults. This course will focus on sexual abuse of nursing home residents, children and adults. In addition, this course will address issues concerning the collection of evidence at crime scenes, interviewing the suspect and the forensic examination of sexual assault victims. Prerequisites: LE210 and LE250 or permission.

CJAd 490 (F, S, Su) 4 hrs. cr.
Internship in Criminal Justice
Extensive practical experience with a criminal justice agency, subject to individual committee approval. Prerequisite: Junior or senior standing, CJAd major, department approval, cumulative 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, Little, Moore, Rogers, Strait, White

Mission

The mission of the Missouri Southern State University Department of Dental Hygiene is to provide high quality education and training opportunities for qualified students to prepare them as graduates to assume and maintain the role of ethical, competent, and progressive professional practitioners. To achieve this mission, we are committed to addressing the oral health care needs of the community by providing affordable, quality patient care as well as community health promotion projects. Additionally, the faculty will provide continuing education programs for practicing dental professionals to support lifelong learning and consulting services for health care professionals. The faculty recognizes the value of scholarly activity to enhance dental hygiene theory development. The Dental Hygiene Department is also committed to supporting its alum-

ni and community. The department monitors the programs visibility by active participation in various committees and activities. In order to accomplish the overall mission, the faculty are strongly encouraged and supported to the pursuit of professional and personal. The Dental Hygiene Program strives to create a learning environment in which each dental hygiene graduate is instilled with the knowledge, skills and values to provide dental hygiene care to patients, along with a sense of responsibility to self, community and the profession.

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 screening 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 is an oral health educator who is responsible for patient education for oral health disease prevention and 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. The program in Dental Hygiene is accredited by the commission on Dental Accreditation [and has been granted the accreditation of "approval without reporting requirements."]

Admission to Missouri Southern does not automatically grant admission to the Dental Hygiene Program. In addition to meeting admission requirements for the College, 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 College Composition (WI)
- Math 030 Intermediate Algebra (or higher)
- Chem 100 Introductory Chemistry
- Bio 221 Human Anatomy & Physiology II
- Bio 231 General & Medical Microbiology
- Comm 100 Oral Communications
- Kine 103 Lifetime Wellness

Enrollment is limited by selection 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.

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

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students, \$1250 to \$1500 per academic year for laboratory fees. Various expenses for transportation to off campus clinical sites and professional meetings. In addition, approximately \$1500 for licensure exams, which will vary depending on state(s) in which license is desired.

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.)

Associate of Science Degree in Dental Hygiene

| | | |
|------------------------------------|--|---|
| | Semester Hours | |
| Core Requirements (p. 35) | 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 220 | Dental Materials | 3 |
| DH 290 | Clinical Dental Hygiene II* | 5 |
| DH 300 | Dental Health Education | 3 |
| DH 310 | Nutrition | 2 |
| DH 320 | Pharmacology | 2 |
| DH 330 | Ethics and Community Dentistry* | 3 |
| DH 340 | Perio-Pathology | 4 |
| 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 |

*See course descriptions for prerequisites.

Suggested Order of Study

**Associate of Science - over three years
Dental Hygiene Major**

Major Code 5203

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

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

| Fall Semester | 1st Year Dental Hygiene | |
|---------------|----------------------------------|--------------|
| 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 |

| Spring Semester | 1st Year Dental Hygiene | |
|-----------------|-----------------------------------|-----------|
| 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 | |
|----------------|---------------------------|----------|
| DH 190 | Clinical Dental Hygiene I | 2 |
| DH 340 | Perio-Pathology | 4 |
| | | 6 |

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

| 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 hr. 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 hrs. lecture, 3 hrs. lab per week.

DH 160 (S) 2 hrs. cr.

Dental Radiology

Theory and techniques of exposing, mounting, and care of dental radiographs utilizing traditional x-ray technology and state of the art digital radiography. Interpretation of radiographic findings and prediagnostic techniques. Principles of radiation safety. Recognition and identification of normal anatomical radiographic landmarks as well as abnormalities with emphasis on case studies and patient management. One hr. lecture, 2 hrs. lab per week.

DH 190 (Su) 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. 16 hours lab per week, 1 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 including the physical & chemical properties of dental materials and the application and manipulation of materials used in dentistry. 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 and DH 140 Dental Morphology and DH 150 Oral Histology and Embryology with a 'C' or above or instructor's permission. Two hrs. lecture, 2 hrs. lab per week.

DH 290 (F) 5 hrs. cr.

Clinical Dental Hygiene II/Local Anesthesia

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 hr. lecture, 16 hrs. 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 hrs. 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 hrs. 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 hrs. lecture per week.

DH 330 (S) 3 hrs. cr.

Ethics and Community Dentistry

Examination of the major ethical issues in the current practice of dentistry. Helps student dental hygienist develop and apply high professional and ethical standards to their work with patients, other members of a dental team and the community. This course is designed to increase student knowledge of concepts of community dentistry and dental epidemiology that is used in population based health care. Students are allowed to critically evaluate scientific literature, dental care delivery and mechanisms for financing dental care. Three hrs. lecture per week. Prerequisites: DH 300 with minimum grade of "C."

DH 340 (Su) 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 hrs. 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 hr. lecture, 16 hrs. lab week. Prerequisite: DH 290 with minimum grade of 'C' or instructor's permission.

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.

- Emphasis 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.
- Emphasis 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.

Option:

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

Option – Dental Hygiene

| | |
|---|-----------|
| Core Requirements (p. 34) 51* | 39 |
| Health Sciences | 18 |
| Comm 305 Intercultural Communication (WI) * | |
| (Area 5A) | 3 |
| MM 350 Fundamentals of Organizational Management (WI) | 3 |



Faculty Pippin, Plucinski, Schiska, Scorse, Strait

Mission

The mission of the Health Science degree is to provide a comprehensive baccalaureate degree that complements an associate allied health major. The degree is designed to promote critical thinking, leadership, communication and information skills, with a commitment to lifelong learning. Our graduates are academically prepared to pursue opportunities for advancement or graduate school.