

Name: _____ Date: _____ Year of Relevant Catalog: **2023-2024**

Associate of Applied Science Degree

General Education Prerequisite Courses

General Education Prerequisite Courses		Status	Credits
Written Communications (3 credit hours)			
ENG 101	English Composition I		3
Verbal Communications (3 credit hours)			
COM 102	Interpersonal Communications		3
COM 105	Public Speaking		3
Mathematics (3 credit hours)			
MAT 105	Intermediate Algebra		3
MAT 150	College Algebra		3
Science (15 credit hours)			
BIO 150	Human Anatomy & Physiology		5
BIO 200	Microbiology		5
CHM 101	General Chemistry		5
Psychology (3 credit hours)			
PSY 101	General Psychology		3
PSY 105	Human Development		3
Total General Education Prerequisite Credits			27

Additional Required General Education Course		Status	Credits
Sociology (3 credit hours)			
SOC 101	Sociology – Can be taken with Hygiene courses during 3 rd or 4 th semester		3

Technical Education Program Courses

First Year

Fall Semester				Spring Semester			
Course Title	Status	Credits	Course Title	Status	Credits		
HYG 110		5	HYG 120		3		
HYG 115		4	HYG 150		4		
HYG 125		2	HYG 155		3		
HYG 130		3	HYG 165		2		
			HYG 225		2		
Total Credits			Total Credits			14	14
Total First Year Education Credits							28

Second Year

Fall Semester				Spring Semester			
Course Title		Status	Credits	Course Title		Status	Credits
HYG 210	Clinical Dental Hygiene III (Pre-req: HYG 150, HYG 155, HYG 165, HYG 225)		6	HYG 250	Clinical Dental Hygiene IV (Pre-req: HYG 130, HYG 210, HYG 215, HYG 230)		6
HYG 215	General and Oral Pathology (Pre-req: HYG 150, HYG 155, HYG 165, HYG 225)		3	HYG 265	Dental Hygiene Seminar and Theory (Pre-req: HYG 130, HYG 210, HYG 215, HYG 230)		2
HYG 230	Dental Public Health (Pre-req: HYG 150, HYG 155, HYG 165, HYG 225)		2	HYG 260	Ethics and Jurisprudence (Pre-req: HYG 130, HYG 210, HYG 215, HYG 230)		3
SOC 101	Sociology (Can be taken during 3 rd or 4 th semester)		3				
Total Credits			14	Total Credits			11
Total Second Year Education Credits						25	
Total General Education Prerequisite Credits						27	
Total First Year Education Credits						28	
Total Second Year Education Credits						25	
Total AAS Credits						80	

All courses listed with a prerequisite required must be passed with a C or better before moving on to the next course.

PROGRAM OUTCOMES

- Promote values of oral and general health and wellness to the public and organizations within and outside the profession.
- Advance the profession through service activities and affiliations with professional organizations.
- Provide care to all clients using an individualized approach that is empathetic and caring while adhering to state and federal laws, recommendations and regulations in the provision of oral health care.
- Students will demonstrate mastery knowledge, skills and attitudes necessary for successful complete the dental hygiene program competencies and licensure examinations to meet the employment needs of the dental community and ADA standards.

GENERAL EDUCATION PROGRAM OUTCOMES

- Compose coherent written communication.
- Deliver coherent oral communication.
- Show proficiency in locating, analyzing, documenting, and ethically using information sources.
- Perform and interpret calculations.
- Develop logical problem-solving skills and/or critical thinking skills.
- Identify appropriate strategies for gathering, analyzing, and displaying data to draw conclusions from scientific data.
- Collaborate effectively, which cultivates a respect for human diversity.
- Demonstrate technology literacy appropriate to area of study.

OTHER REQUIREMENTS:

Clinical/Class Participation

- Students must earn a minimum of a C in all courses to advance to the next semester
- Students must have a minimum of 90% attendance in the program.
- Students must pass CPR, HIPAA and OSHA certification prior to clinical participation.
- Students must meet requirements for patient care as directed by CODA

Notes

- It is strongly recommended that students work a limited number of hours due to the heavy course load required by this program.
- Background screening will be conducted.
- TB skin test is required for clinicals
- Record of immunizations must be submitted

Testing

- NBDHE – National Board Dental Hygiene Exam (written)
- CRDT – Central Regional Dental Testing (clinical)
- Kansas Ethics and Jurisprudence Exam (written)

Student Signature

Advisor

The physical demands described here are representative of those that must be met by a student to successfully perform the essential functions of working in this field. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this program, students are regularly required to sit, walk and stand; talk or hear, both in person and by telephone; use hands repetitively to handle, feel or operate standard office equipment; reach with hands and arms. The student is occasionally required to stand; walk and stoop, kneel, crouch, or crawl. The student must frequently lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this field include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

DENTAL HYGIENE COURSE DESCRIPTIONS

GENERAL EDUCATION PREREQUISITE COURSES

ENG 101 English Composition I

3 credits

(Prerequisites: Qualifying placement test Writing score or ENG 100)

This course is an introduction to expository writing and emphasizes clear and effective writing, the writing process, audience, purpose, analytical reading, peer conferencing, and research procedures. The course provides instruction and practice in development of ideas, methods of organization, sentence structure, grammar, mechanics, documentation, and MLA format. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

COM 102 Interpersonal Communications

3 credits

(Prerequisites: Qualifying placement test Reading score or concurrent enrollment in REA 090)

This course is a broad introduction to interpersonal communication, which focuses on the principles of effective speech communication in small groups and one-on-one relationships. Students develop an understanding of the dynamic and complex system involved in human communication. Theory and practice of interpersonal communication are studied and applied to a variety of life situations. The course focuses on perception, self-concept, listening, conflict, language, stereotyping, shyness, disclosure, friendship, and communication in interpersonal relationships nonverbal communication and culture as they relate to interpersonal relationships. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

COM 105 Public Speaking

3 credits

(Prerequisites: Qualifying placement test Reading score or concurrent enrollment in REA 090)

This course will emphasize the fundamental basics of favorable private and public speaking experiences. The course will cover speech organization, development of ideas, delivery, listening, peer and audience analysis, and understanding of all types of public speeches. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

MAT 105 Intermediate Algebra

3 credits

(Prerequisite: Qualifying test score or the grade of "C" or better in any of the following: MAT 090, MAT 095 or MAT 101)

The focus of this course is to prepare the student for College Algebra. Students learn how to perform common calculations in several applied occupational fields.

MAT 150 College Algebra

3 credits

(Prerequisite: MAT 105 or qualifying placement test score)

Students learn how to interpret mathematical symbols and notations, simplify expressions, factor polynomials, solve equations (including absolute value, quadratic and systems of linear equations), perform operations on radical expressions, write equations of lines and evaluate functions. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

BIO 150 Human Anatomy & Physiology

5 credits

This course provides a physio-chemical study of the systems forming the human body. The course will focus on the relationships between the systems and the maintenance of a homeostatic condition within the body. Diseases, defects, and abnormalities are covered with each system. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

BIO 200 Microbiology

5 credits

This course will provide a study of the morphology, physiology, and classification of microorganisms associated with disease. The course will also focus on methods of disease prevention through sanitation, disinfection and sterilization, sources and means of infection, and body defenses.

CHM 101 General Chemistry

5 credits

Atomic theory, chemical bonding, chemical reactions, energy, gasses, solids, liquids, and solutions. Laboratory experiments include analysis, synthesis and acquisition of quantitative data. Lecture and lab. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

PSY 101 General Psychology

3 credits

(Prerequisites: Qualifying placement test Reading score or concurrent enrollment in REA 090; qualifying placement test Writing score or ENG 100)

This course provides an introduction to the scientific study of human behavior as it applies to daily living. The scope of this course includes history, basic theories, and biological bases of behavior, development, cognitive processes, individual awareness, motivation, emotion, personal adjustment and social psychology. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

PSY 105 Human Development

3 credits

(Recommended Prerequisite PSY 101)

This course presents research and theories regarding human growth and change across life spans. Principles of growth in the physical, cognitive, social, emotional and personality aspects are covered. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

SOC 101 Sociology

3 credits

This course provides an introduction to sociology and the basic principles of sociological perspectives, theories, and research methods. The course will focus on the way culture patterns societies and social interaction and how these patterns are transmitted through socialization and social interaction. The course will also cover social stratification systems, social institutions, collective behaviors, social change, and perspectives on how social forces influence human activity and how human activity creates social forces. This course is part of the Kansas System Wide Transfer Matrix. See your advisor for more details.

TECHNICAL EDUCATION PROGRAM COURSES

HYG 110 Clinical Dental Hygiene I - Pre-Clinical

5 credits

This course prepares the student with the introductory knowledge and skills to properly and safely handle material and equipment in the dental clinic. It will prepare the students to provide clinical dental hygiene services. Students will also be learning the techniques for sterilization, infection control protocols, managing medical emergencies, and taking and recording medical histories, including vital signs. Students will be introduced to basic instrumentation skills, proper positioning and ergonomics, and time management for the dental hygiene student. There is also a lab associate with this course, which is designed to introduce the beginning student dental hygienist to clinical application through simulation and student experiences.

HYG 115 Embryology, Histology, and Oral Anatomy

4 credits

This course is a comprehensive study of oral facial embryology and the cellular structure of dental and associated glandular and mucosal tissues. Emphasis is on clinical considerations of the developmental process as relevant to dental hygiene practice.

HYG 120 Pharmacology

3 credits

This course focuses on applying pharmacology knowledge to dental hygiene clinical practice. Understanding the drug groups, pharmacologic effects, adverse reactions, drug contraindications and interactions will encourage treatment modification and ensure safe patient care.

HYG 125 Dental Radiography

2 credits

This course prepares the dental hygiene student to expose, process and critique intra and extraoral radiographs for clinical practice. Emphasis is placed on technique and individual patient radiographic need using standardized ALARA concepts. Students process, mount and evaluate radiographs for diagnostic value associated with patient care. Radiation production, biology and safety are required for students to make informed decisions and adjustments for optimum patient care.

HYG 130 Nutrition and Oral Health

3 credits

Nutrition in Dental Health will explore basic concepts of nutrition as they apply to general and oral health. Students will learn to identify clinic patients with dietary and nutritional deficiencies, provide nutritional counseling treatment plans, and adapt behavioral modification techniques.

HYG 150 Clinical Dental Hygiene II

4 credits

(Prerequisites or Corequisites: HYG 110, HYG 115, HYG 120, HYG 125)

This course introduces more advanced concepts in clinical dental hygiene, as well as refines assessment and instrumentation skills. Students will provide direct patient care in a supervised clinical setting in this course. The clinical experiences will include patient assessment, dental hygiene diagnosis, oral prophylaxis, periodontal therapy, oral health education, and radiographs. Students will provide dental hygiene care to level I and II patients including individuals of all ages and medically compromised patients. Emphasis will be placed on the students' ability to demonstrate comprehensive treatment planning. Students will be required to use the SOAP method of documentation.

HYG 155 Periodontics

3 credits

(Prerequisites or Corequisites: HYG 110, HYG 115, HYG 120, HYG 125)

The etiology of periodontal disease, as well as the assessment, diagnosis, and treatment options, will be discussed, including clinical procedures and associated surgical interventions. The clinical, histopathological, and pathogenesis of gingivitis and periodontitis is included, and emphasis will be placed on the progression of periodontal disease and the role of the dental hygienist in the management and treatment of disease. Evaluation of periodontal treatment, the maintenance phase of periodontal treatment, and the relationship between periodontics and other disciplines in dentistry will be discussed.

HYG 165 Pain Management

2 credits

(Prerequisites or Corequisites: HYG 110, HYG 115, HYG 120, HYG 125)

This course is designed to prepare the dental hygiene student with the necessary theory to appropriately treatment plan and successfully administer topical anesthesia and local infiltration anesthesia to increase patient comfort and control pain when providing dental hygiene services. Various modalities of pain control available to the dental hygienist will be discussed. Students will study both the theory and the practical application of pain control.

HYG 210 Clinical Dental Hygiene III

6 credits

(Prerequisites: HYG 150, HYG 155, HYG 165, HYG 225)

Students will provide direct patient care in a supervised clinical setting in this course. The clinical experiences will include patient assessment, dental hygiene diagnosis, oral prophylaxis, non-surgical periodontal therapies, periodontal maintenance, oral health education, and radiographs. Students will provide dental hygiene care to level I, II, and III patients including individuals of all ages and medically compromised patients. Emphasis will be placed on the students' ability to demonstrate comprehensive periodontal treatment planning. Students will be required to use the SOAP method of documentation. Additional clinical experiences will include the use of ultrasonic instrumentation, amalgam polishing, and application of pit and fissure sealants.

HYG 215 General and Oral Pathology

3 credits

(Prerequisites: HYG 150, HYG 155, HYG 165, HYG 225)

This course has been designed to integrate oral pathology and general pathology. Students will study principles of general pathology with emphasis on the relationships to oral diseases. Pathologic physiology is included such as tissue regeneration, the inflammatory process, immunology and wound healing. Clinical appearance, etiology, location and treatment options of general system diseases is presented, along with the oral manifestations. Special attention will be placed on common pathological conditions of the oral cavity and early recognition of these conditions.

HYG 225 Dental Materials for Dental Hygiene

2 credits

(Prerequisites or Corequisites: HYG 110, HYG 115, HYG 120, HYG 125)

This course is an introduction to the study of the physical and chemical properties of dental materials utilized in the dental office. Topics include: the clinical skills necessary for the dental hygienist in the proper manipulation of dental materials, considerations of the mechanical functions, clinical appearances, and biocompatible properties of dental materials.

HYG 230 Dental Public Health

2 credits

(Prerequisites: HYG 150, HYG 155, HYG 165, HYG 225)

Dental Health is the science and art of promoting oral health and preventing oral disease in a community setting. Through this course students acquire knowledge, attitudes, skills and behaviors necessary to promote dental health and prevent disease through organized community-based programs. Students are introduced to basic principles of research methodology and biostatistics, epidemiological indices, population needs, and community health planning methods for dental education of the public.

HYG 250 Clinical Dental Hygiene IV

6 credits

(Prerequisites: HYG 130, HYG 210, HYG 215, HYG 230)

In this course, students will provide direct patient care in supervised clinical settings. The clinical experiences will include patient assessment, dental hygiene diagnosis, oral prophylaxis, complete periodontal therapy, oral health education, and radiographs. Students will provide dental hygiene care to patient level I, II, III, and IV. Emphasis will be placed on the students' ability to demonstrate comprehensive periodontal treatment and improved time management by completing multiple patients in one clinic session. Students will be required to use the SOAP note method of documentation. Includes intramural dental hygiene and dental school rotations and extramural site assignments.

HYG 265 Dental Hygiene Seminar and Theory

2 credits

(Prerequisites: HYG 130, HYG 210, HYG 215, HYG 230)

This course is designed to guide the development of critical thinking skills and the application of theory to care at all levels of dental hygiene. Case studies will help students realize early on the link between theory and patient care. Additionally, this course will assist senior dental hygiene students in preparing for the credentialing examinations and the other procedures required for obtaining a dental hygiene license.

HYG 260 Ethics and Jurisprudence

3 credits

(Prerequisites: HYG 130, HYG 210, HYG 215, HYG 230)

Emphasis on the laws governing the practice of dentistry and dental hygiene, moral standards, and the ethical standards established by the dental hygiene profession. Practice settings for the dental hygienist, office operations, and preparation for employment. This course, in addition to the areas of ethics and jurisprudence, examines the economics of dentistry, dental office management, employment considerations, resume preparation, and job interviewing.