

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

*Required course satisfies major requirements and Core requirements.
 ** Both Sociology and Psychology are required. One course is built into the Core Curriculum and the other should be taken as a dental hygiene requirement.
 *** Three hours of upper division electives needed after completion of the Dental Hygiene and Health Science Core.

Emphasis – Radiology Technology

Core Requirements (p. 32) 51*	44
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 and Natural Science	3
Bio 380 Epidemiology OR	
Bio 370 Environmental Health	3
HS 390 Health Care System	3
Radiology Core Requirements	57
Bio 121 Anatomy and Physiology I* (Area 3A)	4
Bio 221 Anatomy and Physiology II	5
Bio 240 Radiation Biology	3
Rad 101 Introduction to Radiology	3
Rad 110 Clinical Training I	2
Rad 111 Medical Term	3
Rad 132 Principles of Radiographic Exposure	3
Rad 142 Radiographic Positioning I	3
Rad 170 Radiologic Physics	3
Rad 210 Clinical Training II	3
Rad 241 Radiographic Positioning II	3
Rad 290 Clinical Training III	2
Rad 301 Film Critique & Quality Management	2
Rad 320 Radiographic Positioning III	3
Rad 350 Patient Care in Radiology	2
Rad 340 Clinical Training IV	3
Rad 360 Clinical Training V	3
Rad 370 Advanced Topics in Radiology (WI)	2
Rad 380 Clinical Training VI	2
Rad 399 Advanced Radiology (20 upper division in Radiology Core)	3
Electives	5
TOTAL	124

* Required course satisfies major requirements and Core requirements.

Emphasis - Respiratory Therapy

Core Requirements (p. 32) 51*	44
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 and Natural Science	3
Bio 380 Epidemiology OR	
Bio 370 Environmental Health	3
HS 390 Health Care System	3
Respiratory Requirements	61
Bio 121 Anatomy and Physiology I* (Area 3A)	4
Resp 101 Respiratory Therapy Foundations	3
Resp 102 Cardiopulmonary Sciences	3
Resp 105 Cardiopulmonary Anatomy and Physiology	3
Resp 107 Respiratory Therapy Procedures	3
Resp 108 Respiratory Procedures Lab	3
Resp 120 Cardiopulmonary Pathology	3
Resp 125 Respiratory Therapy Clinical I	3
Resp 129 Cardiopulmonary Pharmacology	3
Resp 222 Introduction to Mechanical Vent.	4
Resp 226 Cardiopulmonary Diagnostic	3
Resp 239 Respiratory Therapy Clinical II	5
Resp 311 Neonatal/Pediatric Care	3
Resp 307 Cardiopulmonary Assessment	6
Resp 312 Mechanical Ventilation	3
Resp 313 Alternate Site Respiratory Care (WI)	3
Resp 340 Advanced Level Clinical Practice	5
Resp 341 Research, Issues, Methods (21 Upper Division Hours in Respiratory Core)	1
Elective Upper Division	1
TOTAL	124

* Required courses satisfy major requirements and Core requirements.
 **HS 490 Internship is optional for one hour upper division elective needed after completion of the Respiratory and Health Science Core.

Emphasis – Business / Life-Health Science

Core Requirements (p. 32) 51*	44
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 and Natural Science	3
Bio 380 Epidemiology OR	
Bio 370 Environmental Health	3
HS 390 Health Care System	3
Health Science Business Emphasis Requirements Minor in General Business (p. 163) 21**	15
Life/Health Science Requirements	20-23
Bio 121 Human Anatomy and Physiology I* AND (Area 3A)	4
Bio 221 Human Anatomy and Physiology II OR	5
Bio 101 General Biology* (Area 3A)	4

AND		
Bio 201	Human Anatomy	4
AND		
Bio 301	Human Physiology	4
Kine 385	Nutrition for Human Development	3
Rad 111	Medical Terminology	3
Chem 100	Introductory Chemistry	5
Electives		17-23
Total		124

*Required course satisfies major requirements and Core requirements.

**MM 350 Principles of Management included in Health Science Core and Econ 202 Area 5C).

12-16 hours of upper division electives required after completing Core listed above.

For additional information contact:

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Course Descriptions

HS 390 3 hrs. cr.

Health Care Systems

This course incorporates a discussion of the three major health care systems that have evolved in the United States, the impact of diseases on systems development, how financing has influenced the structure, and effect on access to care. Three lecture hours a week. Prerequisites: Econ 180, Psc 120, Psy 100, or Soc 110.

HS 499 (Demand) 1-3 hrs. cr.

Independent Study

Individually directed study for advanced majors in the areas of health science. The adviser with approval of the department head structures the independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The adviser, the department head, and the dean of the school must approve registration in the course.

Other course descriptions for course requirements in the Health Science curriculum are listed in the School Arts and Sciences section under Biology, Communication, and Philosophy; School of Business, and School of Education under Psychology.

LAW ENFORCEMENT

Justice Center 109, 417.625.9302

Faculty Wolf - Head, Hulderman, Scott, Spencer, Spurlin, Thomason

The Associate of Science degree in Law Enforcement helps prepare students for entrance into police work, a field which has become highly specialized and complex at the local, state, and national levels. The University also offers the four-year Bachelor of Science degree in Criminal Justice Administration. See page 229.

**Associate of Science in Law Enforcement
 Option A**

Major Code 5505

Core Requirements (p. 33) 25-26

Law Enforcement Requirements 39

Required Courses:

Computer Literacy Requirement	3
LE 100 Introduction to Criminal Justice Administration	3
LE 210 Criminal Procedure	3
LE 225 Patrol Procedures	3
LE 230 Community Policing	3
LE 232 Ethics in Criminal Justice	3
LE 250 Criminal Law	3
LE 280 Interview & Report Writing (WI)	3
LE290 Police Supervision & Management	3
Electives (adviser approved LE or CJAd electives)	12

Option B

(For Basic Law Enforcement Academy)

Major Code 5506

Core Requirements (p. 33) 25-26

Law Enforcement Requirements 39

Required Courses:

Computer Literacy Requirement	3
LE 100 Introduction to Criminal Justice	3
LE 250 Criminal Law	3
LE 180 Basic Law Enforcement Academy	13
LE 181 Basic Law Enforcement Academy II	13

Select 4 hours from the list below:

LE 200 Criminal Investigation I	3
LE 210 Criminal Procedure	3
LE 225 Patrol Procedures	3
LE 230 Community Policing	3
LE 290 Police Supervision & Management	3
LE 298 Topics in Law Enforcement	1-3