College of Health Professions

Linda C. Hatzenbuehler, Ph.D., Dean
Delane C. Krisky, Ph.D., Associate Dean

The College of Health Professions offers programs of professional education leading to the Associate of Science degree in Radiography; the Bachelor of Arts degree in Health Education; Bachelor of Science degrees in Dental Hygiene, Dietetics, Health Care Administration, Health Education, Nursing, Physician Assistant Studies, Radiography, and Speech Pathology and Audiology; Master of Counseling degrees in Mental Health Counseling, School Counseling, and Student Affairs and College Counseling; Master of Occupational Therapy, Master of Public Health, Master of Science degrees in Audiology, Deaf Education, Health Education, Nursing, and Speech-Language Pathology; a Master of Physical Therapy degree; and a Doctor of Philosophy degree in Counselor Education and Counseling. A Dietetic Internship Certificate Program is offered at the postgraduate level. Each curriculum combines a core of liberal arts and professional subjects with clinical experience.

The College of Health Professions cooperates with the Creighton University Boyne School of Dentistry and basic science departments at Idaho State University in offering the first year of dental education through the Idaho Dental Education Program (IDEP). Students then spend their second, third, and fourth years at Creighton University in Omaha, Nebraska. The college also administers a Medical Residency program leading to a Certificate in Family Practice.

For the purpose of providing opportunities for students to obtain appropriate clinical experience, the Department of Dental Hygiene operates an on-campus dental hygiene clinic and the Department of Speech Pathology and Audiology operates a speech and hearing center. The Family Practice Center provides outpatient medical services to the community.

The College delivers outreach Bachelor of Science and Master of Science programs in Nursing in Twin Falls. Outreach programming also includes the Master of Counseling in Mental Health Counseling, the Master of Science in Nursing, the Master of Public Health, and the Master of Science in Speech Pathology, all offered in Boise. The Master of Science in Nursing includes a nurse practitioner option which is offered in Pocatello, Boise and Lewiston.

Department of Counseling

Chair and Professor: Allen
Professors: Feit, Kline, Lloyd
Assistant Professors: Kleist, Paulson, Schwartz, Swanson
Instructors: DeTienne, Fullerton, Hilbert, Mandeville, McCullough, Naftzger, Rupp
Adjunct Clinical Faculty: Schmidt, Thuerer
Adjunct Assistant Professors: Bolinger, DeNagy, Gerlach, Johnsen, Katz, Lyda, Pehrsson, Singarajah
Professors Emeriti: Anderson, Edgar

Counseling

Graduate-level preparation for (1) counselors who seek employment in schools, universities, community mental health and various other settings, and (2) college student affairs professionals.

Pre-Counseling and Pre-Student Affairs

Preparation should consist of a broad undergraduate course of study including some work in psychology (learning and personality theory), sociology, and the communication skills. For those seeking positions in public elementary and secondary schools, state certification requirements should be considered.

Degree Programs

Degree programs offered by the department include Doctor of Philosophy, Educational Specialist, and Master of Counseling. Majors are available in Counselor Education and Counseling (Ph.D.); Counseling (Ed.S); Mental Health Counseling (M.Coun.); School Counseling (M.Coun.); and Student Affairs and College Counseling (M.Coun.).

Accreditation

The programs for school counselor preparation are accredited by the National Council for the Accreditation of Teacher Education and NASDTEC (both through 2002).

The Counselor Education programs are approved by the Council for Accreditation of Counseling and Related Educational Programs through June 30, 2002 as follows:

Mental Health Counseling (M.Coun.), Accredited Status; School Counseling (M.Coun.), Accredited Status; Student Affairs and College Counseling (M.Coun.), Accredited Status; Counselor Education and Counseling (Ph.D.), Accredited Status.

Admission

Graduate applications for admission to the Department of Counseling must be submitted by February 15. Application forms will be mailed only from August 1 through January 1. Applications are accepted from December 1 through February 15. Application materials can be obtained from the Department of Counseling.

A maximum of 20-25 students are admitted to the program each year. Classes begin in the Fall semester each year.

Counseling Courses

COUN 150 Career and Life Planning 1 credit. Centers on theories and actual processes of effective decision-making with direct application to participants’ short and long range life goals. Course will emphasize self-understanding and methods for gathering appropriate external information. Career decisions are emphasized. PREREQ: PERMISSION OF INSTRUCTOR. Graded S/U. F

COUN 200 Multicultural Development 1 credit. Acquaints students with information related to the appreciation of individual differences as it relates to race, gender, and national origin in a pluralistic society. F, S

COUN 210 Human Relations at Work 3 credits. The development of knowledge and skills to enhance cooperation between employees and employees in various work settings. Exploration of current thought on the nature, process, and diversity of human interaction as it applies to the world of work. D

COUN 300 Interpersonal Skills in Health Professions 2 credits. Theory and practice in the use of effective interpersonal communication skills and styles for health care providers. R1
COUN 350 Self Fulfilling Behavior 1 credit. Course objective is to assist the student in developing satisfying personal and interpersonal emotional skills and habits. Combines instruction in principles of mental health with practical methods for applying principles to problems of everyday life. PREREQ: PERMISSION OF INSTRUCTOR. Graded S/U. D

COUN 423 Vocational Guidance and Counseling 3 credits. Study of occupational trends, job opportunities, factors involved in selecting an occupation and means of evaluating interests in terms of capabilities. D

COUN 450 Peer Counseling Seminar 1-2 credits. Supervised experience in assisting another student. Students meet out of class on a weekly contact basis. Course provides ongoing training for the peer counselors. May be repeated up to 6 credits. PREREQ: PERMISSION OF INSTRUCTOR. D

COUN 484 Guidance Principles and Practices 3 credits. Survey of the various guidance practices in secondary education. Each service is discussed from the point of view of its role in the total educational program. D

COUN 485 Independent Problems 1-2 credits. Individual work under staff guidance. Field and/or library research on specific educational problems of interest to majors. Experience in research composition. PREREQ: PERMISSION OF INSTRUCTOR. D

COUN 491 Seminar 1-3 credits. Critical analysis of the literature in one or more areas. Limited enrollment. May be repeated up to 8 credits. PREREQ: PERMISSION OF INSTRUCTOR. May be graded S/U or with letter-grades in separate sections. F, S, Su.

COUN 494 Elementary School Guidance 2 credits. Study of (1) the function of guidance in relation to children’s needs; (2) principles and techniques of elementary school guidance; (3) analysis of representative programs of guidance in the elementary schools; and (4) research related to elementary school guidance and resulting trends. D

Department of Dental Hygiene

Chair and Associate Professor: Rogo
Professors: Bowen, Paarmann
Associate Professors: Christie, Herzog, Hodges, Miller
Assistant Professors: Calley, Kawamura
Instructors: Hess, Eisenhauer, T. Johnson, Long, Omann
Adjunct Faculty: Akers, Bean, E. Brinthurst, L. Brinthurst, Bybee, Jacobson, McCune, Naftzger, Ormond, Peck, Spain, VanDyke, Wilson, Zollinger
Affiliate Faculty: R. Johnson, Kelley, Luedtke, Miller, Salisbury

As licensed professional oral health educators and clinicians, dental hygienists utilize knowledge of biomedical, dental, and clinical sciences to assist individuals and groups in achieving and maintaining optimum oral health. In many states, the role of the dental hygienist has been extended by the delegation of duties which are beyond this traditional scope of responsibility (advanced functions). As a specialist, the dental hygienist serves as one member of the dental team who plays an integral role in insuring quality, comprehensive care for dental patients.

The basic dental hygiene program is designed to provide the student with knowledge and experience for the delivery of a broad spectrum of preventive and therapeutic oral health services to the public. The curriculum provides liberal arts and professional courses leading to a Bachelor of Science degree in dental hygiene. Two years of college prerequisites are required for admission, followed by two years in the professional dental hygiene program. The dental hygiene program is fully accredited by the American Dental Association Commission on Dental Accreditation.

Employment Opportunities

Upon completion of the dental hygiene curriculum, graduates are qualified to take the Dental Hygiene National Board Examination and licensure exams in every state, the District of Columbia, Puerto Rico, Canada and abroad. Graduates are eligible for positions in private dental offices, public health programs, school health programs, dental hygiene education and research. In addition, the dental hygiene program provides instruction and experience in advanced procedures to broaden capabilities for clinical practice.

Admission

Formal application for admission to the dental hygiene program must be submitted before January 15 of the year the student wishes to enter. Applicants must have completed prerequisite courses and completed specific requirements for consideration. Application materials must be forwarded to the Department of Dental Hygiene. Applications for the dental hygiene program and information regarding current admission criteria and procedures can be obtained directly from the department. Admission to Idaho State University is a separate procedure and must be completed simultaneously with application to the dental hygiene program.

Academic Standards

To enroll in upper division courses with a dental hygiene prefix, students must be accepted for admission to the dental hygiene program. Each student is responsible for completing the required course work in proper sequential order. To be eligible for graduation and progression in the dental hygiene program, the student must have a cumulative grade point average of 2.25. Course work for which the student receives a grade below “C” will not be accepted as fulfilling requirements for the Department of Dental Hygiene. Deviations from these standards must be approved by the department chairperson.

Services

Preventive and therapeutic oral health services are provided by staff and experienced students in the dental hygiene clinic. Services for the public include oral prophylaxis, x-rays, nonsurgical treatment for periodontal (gum) disease, fluoride treatments, and patient education in the care of the mouth. Selected advanced services are available for full-time ISU students, faculty and staff. Individuals desiring information should inquire about the availability of services with the dental hygiene clinic receptionist.
Graduation Requirements
Prerequisite courses 40-51 cr
(department requirements and general education)
Required dental hygiene courses 67 cr
Other courses (including general education),
minimum of: 15 cr
Electives 6 cr
TOTAL: 134 cr

Bachelor of Science in Dental Hygiene

Required Dental Hygiene Courses

DENT 307 Medical Emergencies in Dental Practice 3 cr
DENT 308 Oral Histology and Embryology 2 cr
DENT 309 Oral Pathology 2 cr
DENT 311 Tooth Morphology 2 cr
DENT 312 Head and Neck Anatomy 3 cr
DENT 313 Clinical Dental Hygiene I 2 cr
DENT 313C Clinical Dental Hygiene I, Clinic 3 cr
DENT 314 Clinical Dental Hygiene II 2 cr
DENT 314C Clinical Dental Hygiene II, Clinic 3 cr
DENT 315 Preventive Dentistry 2 cr
DENT 316 Dental Materials 2 cr
DENT 317 Oral Radiology I 1 cr
DENT 318 Oral Radiology II 2 cr
DENT 318L Oral Radiology Laboratory 1 cr
DENT 319 Pre-clinical Expanded Functions 3 cr
DENT 320 Local Anesthesia 2 cr
DENT 321 Introduction to Periodontology 2 cr
DENT 401 Research Methodology 3 cr
DENT 402 Periodontology 3 cr
DENT 403 Clinical Dental Hygiene III 2 cr
DENT 403C Clinical Dental Hygiene III, Clinic 4 cr
DENT 404 Clinical Dental Hygiene IV 2 cr
DENT 404C Clinical Dental Hygiene IV, Clinic 4 cr
DENT 405 Special Procedures 1 cr
DENT 406 Oral Health Care for Patients with Special Needs 1 cr
DENT 408 Ethics and Jurisprudence 2 cr
DENT 409 Communication and Behavior Management in Dentistry 1 cr
DENT 410 Community Dental Health 3 cr
DENT 411 Expanded Functions I 2 cr
DENT 411C Expanded Functions I, Clinic 1 cr
DENT 412 Expanded Functions II 2 cr
DENT 412C Expanded Functions II, Clinic 1 cr

Dental Hygiene Electives

DENT 305 Personal and Career Development 1 cr
DENT 330C Summer Interim Clinic 2 cr
DENT 420 Dental Hygiene Specialty Emphasis 2 cr
DENT 481-482 Independent Problems in Dental Hygiene 1-6 cr

Other Required Courses

PSCI 314 Basic and Applied Pharmacology for Dental Hygiene 3 cr

Prerequisite Courses

(Pre-Dental Hygiene)

Biol 202 General Zoology 3 cr
AND
Biol 202L General Zoology Laboratory 1 cr
BIOS 221 Introductory Microbiology 3 cr
BIOS 223 Introductory Microbiology Laboratory 1 cr
BIOS 301 Anatomy and Physiology 4 cr
BIOS 302 Anatomy and Physiology 4 cr
CHEM 101 Essentials of Chemistry I 5 cr
AND
CHEM 1028 Essentials of Chemistry II 5 cr
COMM 101 Principles of Speech (satisfies Goal 5) 3 cr
DENT 201 Principles of Dental Hygiene 2 cr
ENGL 101 English Composition 3 cr
ENGL 201 Critical Reading and Writing 3 cr
CPS 239 Nutrition 3 cr
HCA 110 Introduction to Allied Health Professions 2 cr
MATH 143 College Algebra or competency exam 4 cr
MATH 253 Introduction to Statistics (satisfies Goal 3) 3 cr
PSYC 101 Intro to General Psychology I (satisfies Goal 12) 3 cr
SOC 101 Introduction to Sociology (satisfies Goal 12) 3 cr

IN ADDITION: Fulfillment of two of the following General Education Goals: 6, 7, 8.
Fulfillment of two of the following Goals: 9, 10, 11.
Elective DENT 220 is highly recommended for pre-dental hygiene students without dental office experience.

Dental Hygiene Courses

DENT 201 Principles of Dental Hygiene 2 credits. Prevention of dental diseases, role of the dental hygienist and oral healthcare team are presented at the pre-professional level. Dental hygiene career content assists in formulating a career decision. F,S

DENT 220 Introduction to the Dental Office 2 credits. Introduction to dental terminology and office procedures including duties and responsibilities of various dental personnel through lectures, activities and field experiences. F

DENT 305 Personal and Career Development 1 credit. Incorporation of time management, stress management and assertiveness skills into career and life planning. F

DENT 307 Medical Emergencies in Dental Practice 3 credits. Lectures, discussions and preclinical simulations related to common medical emergencies occurring in dental practice. Emphasis on precautions, treatment alterations and management. PREREQ: ACCEPTANCE IN DENTAL HYGIENE PROGRAM. COREQ: DENT 313C, F

DENT 308 Oral Histology and Embryology 2 credits. Study of the embryologic and histologic development of the face and oral structures and the histologic response of oral tissues specifically related to health and disease. Utilization of laboratory, microscopic and diagnostic aids. F

DENT 309 Oral Pathology 2 credits. Study of common oral lesions and neoplasms including general, dental and oral pathological processes with emphasis on etiology and clinical manifestations. Utilization of patient history, laboratory, roentgenographic and other diagnostic aids. PREREQ: DENT 308. S

DENT 311 Tooth Morphology 2 credits. Morphological characteristics and development of the teeth and oral structures. Emphasis on root anatomy and preparation for advanced clinical skills. F

DENT 312 Head and Neck Anatomy 3 credits. Descriptive anatomical study of regions of the head and neck, including skeletal, blood, and nervous tissues. Special emphasis on structures related to clinical dental hygiene procedures. COREQ: DENT 311. F

DENT 313 Clinical Dental Hygiene I 2 credits. Didactic instruction to infection control, comprehensive patient assessment procedures, basic instrumentation and their sharpening techniques, professional topical fluorides and their application. PREREQ: ACCEPTANCE IN DENTAL HYGIENE PROGRAM. COREQ: DENT 313C. F

DENT 313C Clinical Dental Hygiene I, Clinic 3 credits. Preclinical application of principles, techniques, and concepts presented in DENT 307 and 313. PREREQ: ACCEPTANCE IN DENTAL HYGIENE PROGRAM. COREQ: DENT 313. F

DENT 314 Clinical Dental Hygiene II 2 credits. Continued didactic instruction expanding on principles of patient communication and implementation of dental hygiene procedures for a variety of clients. PREREQ: DENT 313, 313C, 315. COREQ: DENT 314C. S


DENT 316 Dental Materials 2 credits. Survey of physical and chemical properties of dental materials. Manipulation and practical applications used in general restorative dentistry also are included. F

DENT 317 Oral Radiology I 1 credit. Survey of principles of x-ray production and radiographic equipment with emphasis on radiographic safety and protection. F
DENT 318 Oral Radiology II 2 credits. Principles and technique of exposing and interpreting oral radiographic surveys. PREREQ: DENT 312, 313, 313C, 317. S

DENT 318L Oral Radiology Laboratory 1 credit. Laboratory instruction and supervision for the production, processing, evaluation and interpretation of oral radiographs. Proficiency examination and educational training model experience precede patient exposure. PREREQ: DENT 317. COREQ: DENT 314C, 318. S

DENT 319 Preclinical Expanded Functions 3 credits. Didactic and laboratory application of dental materials and dental hygiene restorative expanded duties. Duties relate to amalgam, tooth colored and temporary restorations; four-handed dentistry; impressions and study models. PREREQ: DENT 311, 316. S

DENT 320 Local Anesthesia 2 credits. Didactic and clinical instruction in the administration of local anesthetic agents, with emphasis on techniques of field and nerve block anesthesia. PREREQ: DENT 307, 312. S


DENT 330C Summer Interim Clinic 2 credits. Continued clinical application of dental hygiene procedures emphasizing total patient care. For students who require additional clinical course experience for DENT 314C or DENT 404C sufficient for progression or graduation. PREREQ: PERMISSION OF DEPARTMENT. Su

DENT 401 Research Methodology 3 credit. Fundamental and working knowledge of the scientific method employed in oral health research. Development of lifelong learning skills through critical analysis of research findings. PREREQ: MATH 253, ENGL 201. F

DENT 402 Periodontology 3 credits. Continued study of periodontal diseases with emphasis on aggressive forms, periodontal treatment planning, maintenance procedures, related systemic diseases and therapy. PREREQ: DENT 314, 314C, 321. COREQ: DENT 404, DENT 404C. F

DENT 403 Clinical Dental Hygiene III 2 credits. Advanced clinical procedures in all phases of dental hygiene practice including nonsurgical periodontal therapy, ultrasonic scaling, instrument recontouring, assessment procedures and dietary counseling. PREREQ: DENT 314, 314C. COREQ: DENT 403C. F


DENT 404 Clinical Dental Hygiene IV 2 credits. Continued study of advanced clinical procedures. Emphasizes periodontal instrumentation and advanced ultrasonic techniques, subgingival irrigation, airpolishing, job interviewing, resume writing and professional practice management. PREREQ: DENT 403, 403C. COREQ: DENT 404C. S

DENT 404C Clinical Dental Hygiene IV, Clinic 4 credits. Comprehensive care including assessment planning, implementation and evaluation is practiced. Emphasis on proficiency in nonsurgical periodontal therapy, ethical/professional case management and practice management. PREREQ: DENT 403, 403C. COREQ: DENT 404. S

DENT 405 Special Procedures 1 credit. Principles and techniques of special dental hygiene procedures including margining, finishing/polishing restorations, panoramic surveys, alginate impressions, study casts, pit and fissure sealants and other legally delegated oral health services. COREQ: DENT 403C, 411C. F

DENT 406 Oral Health Care for Patients with Special Needs 1 credit. Modifications of dental hygiene care for individuals with transient or lifelong special needs emphasizing the elderly, people with disabilities and individuals from diverse cultures. F

DENT 408 Ethics and Jurisprudence 2 credits. The study of legal, ethical and moral responsibilities of health care professionals as related to the practice of dental hygiene. License, legal terminology and the Idaho Dental Practice Act will be discussed. F

DENT 409 Communication and Behavior Management in Dentistry 1 credit. Principles of communication and behavior management as related to patient-provider relationships, management of dental fears/anxiety, and interpersonal interactions in the employment setting. S

DENT 410 Community Dental Health 3 credits. Concepts of preventive dentistry, public health, and research are applied to achieve a sustained improvement in the oral health behavior, knowledge, and attitude of a group of subjects not normally seen as patients. Field experiences required. PREREQ: DENT 315, DENT 401. S

DENT 411 Expanded Functions I 2 credits. Didactic and laboratory application of advanced procedures emphasizing pain control methods, preventive and restorative expanded functions and four-handed dentistry procedures. PREREQ: DENT 319, 320. COREQ: DENT 411C. F

DENT 411C Expanded Functions I, Clinic 1 credit. Clinical application of advanced procedures emphasizing pain control methods, restorative expanded functions and four-handed dentistry techniques. PREREQ: DENT 319, 320. COREQ: DENT 411. F

DENT 412 Expanded Functions II 1 credit. Didactic and laboratory application of periodontic, prosthodontic, and other specialty expanded functions for the dental hygiene. PREREQ: DENT 411. COREQ: DENT 412C. S

DENT 412C Expanded Functions II, Clinic 1 credit. Continuation and amplification of skills developed in DENT 411C. PREREQ: DENT 411, 411C. COREQ: DENT 412, S

DENT 420 Dental Hygiene Specialty Emphasis 2 credits. Didactic and clinical instruction offered in three dental hygiene specialties, including community dental health, dental hygiene education, and advanced clinic and periodontology. Students select one emphasis. PREREQ: DENT 402. S

DENT 481-482 Independent Problems in Dental Hygiene 1-3 credits. Students will select an area of special interest to pursue through independent study. The student normally is required to present a report giving results of his/her work. F, S, Su

Department of Family Medicine

Director and Associate Professor: Cree
Associate Director and Assistant Professor: Woodhouse
Assistant Professors: Dickey, Rush
Assistant Professors: Dickey, Force

Family Practice Residency Program

The Idaho State University Family Practice Residency is a postgraduate training program for physicians who have an M.D. or D.O. degree. The program is affiliated with the medical schools of the University of Utah and the University of Washington and is accredited by the Accreditation Council for Graduate Medical Education. The Family Medicine Clinic, located on the ISU campus, is the outpatient training site; hospital rotations are scheduled at Bannock Regional Medical Center and Pocatello Regional Medical Center.

Accepting four residents per year, the program trains Family Physicians to practice in rural Idaho. The curriculum includes family medicine, obstetrics/gynecology, surgery, internal medicine, pediatrics, geriatrics, emergency medicine, community medicine, behavioral science, rural medicine, orthopedics and other subspecialties.
Regardless of the degree sought, students must fulfill all department and university requirements for the Bachelor of Arts or the Bachelor of Science degree. In addition, each prospective student must be assigned to a subject area advisor prior to beginning their program.

Bachelor of Arts or Bachelor of Science in Health Education

There is little doubt in today’s world that health promotion/disease prevention strategies are on nearly every national health care agenda. As a society, we have learned that a fuller measure of health, a better quality of life, is within the grasp of most all people. The lifestyle choices a person makes today may influence that individual’s health forever.

The undergraduate program in health education is designed to prepare students to teach preventive health strategies. More specifically, they learn to assess, plan, implement, deliver, and evaluate health promotion programs that facilitate the voluntary adoption of actions which are conducive to the health of individuals, groups, or communities. To earn a degree, each student must complete the core requirements listed below, and then she/he may choose courses which prepare for practice in either the public school setting or the community/worksite setting.

Admission

Application for admission to the health education program is required of all students desiring to progress toward a major or minor. Current Idaho State University students may apply for program admission during the first semester of their sophomore year (October 1 for spring admission or March 15 for fall admission). Transfer students must submit a copy of all transcripts completed at other colleges or universities other than Idaho State University to the department admissions committee by March 15 for fall admission or by October 1 for spring admission. Applicants will be notified of their status by April 15 for fall admission or October 15 for spring admission.

The following criteria must be met for an applicant to be eligible for consideration for admission to the health education program:

1. A minimum cumulative grade point average of 2.75 at the time of application (second semester of sophomore year).
2. Completion of a declaration of major/minor form including the name of an assigned advisor.
3. Completion of, or concurrent enrollment in: ENGL 101, COMM 101, MATH 107, HE 200, HE 202, HE 205, HE 221, CFS 139 OR 239.
4. Submission of a health education philosophy statement and a statement describing an occupational goal that includes the use of health education.

Major in Health Education

The following courses are required in addition to the university general education requirements for the B.A. or B.S. degree:

Core Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE 200</td>
<td>Promoting Wellness</td>
<td>2 cr</td>
</tr>
<tr>
<td>HE 221</td>
<td>Introduction to Health Education</td>
<td>1 cr</td>
</tr>
<tr>
<td>HE 332</td>
<td>Community and Public Health</td>
<td>2 cr</td>
</tr>
<tr>
<td>HE 339</td>
<td>Methods of Teaching Health</td>
<td>2 cr</td>
</tr>
<tr>
<td>HE 340</td>
<td>Fitness and Wellness Programs</td>
<td>3 cr</td>
</tr>
<tr>
<td>HE p460</td>
<td>Healthy Lifestyle Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>HE p401</td>
<td>Issues in Health and Wellness</td>
<td>4 cr</td>
</tr>
<tr>
<td>HE p420*</td>
<td>Health Planning and Evaluation</td>
<td>2 cr</td>
</tr>
<tr>
<td>HE 430**</td>
<td>Curriculum in Health</td>
<td>2 cr</td>
</tr>
<tr>
<td>CFS 239</td>
<td>Nutrition</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

TOTAL: 26 cr

Choose issues classes from the following: stress management, aging and health, death and dying, consumer health, violence prevention, HIV/AIDS, suicide prevention, alcohol and addictive behaviors, mental health, computer applications in health, comprehensive school health programs, trust and self-esteem development.

*Restricted to those individuals planning to practice in a community setting.

**Restricted to those individuals planning a school teaching career.

Completion of above courses satisfies the requirements for a minor. In the core and in health education electives, grades lower
than a “C” will not be accepted and must be repeated.

In Addition:
The student must present a current First Aid Card to advisor or complete H E 205, First Aid and Safety.

Eight additional credits of electives from any of the other courses listed below or approved by the advisor must be completed.

HCA 210 Medical Terminology and Communication 2 cr
HCA 350 Organizational Behavior in Health Care 3 cr
HCA g375 Health Care Law 3 cr
HCA g382 Health Services Organization and Policy 3 cr
HCA g383 Epidemiology 3 cr
HCA g473 Marketing For Health Care Organizations 2 cr
H E g401 Issues in Health and Wellness 2 cr
H E g420 Health Planning and Evaluation 2 cr
H E 485 Independent Study in Health 1-3 cr
CFS/NTD 405 Community Nutrition Issues 2 cr
CFS/NTD g439 Sports Nutrition 3 cr
NTD g420 Nutrition Education Strategies 3 cr
P E 243 Anatomical Foundations of Human Activity 2 cr

Health Education Courses

H E 100 Driver Training and Traffic Safety 1 credit. Basic instruction and procedures in the operation of motor vehicles, defensive driving, and general traffic safety. Classroom, driving simulation, and range and road experience. D

H E 160 Rape Aggression Defense 1 credit. Strategies for self-defense in physically threatening situations. Methods to enhance possibilities for avoidance of physical harm are also covered. Cross-listed as P E and W S 160. F, S

H E 200 Promoting Wellness 2 credits. A survey of the issues and topics that most affect health and wellness. Particular emphasis is placed on the intelligent self-direction of health behaviors. Topics address individual health assessments and decision-making skills. F, S, Su

H E 201 Selected Topics in Health Education 1 credit. Topical courses emphasizing the effects of individual lifestyle choices on health. Topics include: stress and emotional health; consumer health; trust and self-esteem. May be repeated to 3 credits. F, S

H E 202 Computer Applications in Health 1 credit. A study of the use of word processing, database management, and spreadsheet programs as they apply to health education. Various health education software programs are also explored. F, S, Su

H E 205 First Aid and Safety 2 credits. Principles and practices of first aid and CPR. Includes prevention programming for preparing students to assume safety responsibilities at home or in the worksite. F, S, Su

H E 211 Health Education Methods/Elementary 1 credit. A study of subject content of the health education program with emphasis on methods and materials to be used by the elementary classroom teacher. F, S, Su

H E 221 Introduction to Health Education 1 credit. Study of aims, objectives, current practices, similarities and differences in health education programs in various settings. F, S

H E 270 Peer Education in Health 2 credits. Covers methods and techniques of presenting health information to college students. Interview required with instructor prior to enrolling. May be repeated to 4 credits. PREREQ: INSTRUCTOR APPROVAL REQUIRED. F, S

H E 332 Community and Public Health 2 credits. A basic study of the structure and function of community and public health with specific application to the educational setting. F, S

H E 339 Methods of Teaching Health 2 credits. Subject content of the health education program and the materials, methods and evaluative procedures utilized by the teacher. F, S

H E 340 Fitness and Wellness Programs 3 credits. A study of the theory, development, and application of components necessary for providing fitness and wellness programs in a variety of settings. F, S, Su

H E 350 Driver and Traffic Safety Education 1 2 credits. Comprehensive study of factors basic to responsible driving. Practical application to improved driving skills and understanding of the organization, administration, and planning of a driver traffic safety education curriculum. Su

H E g397 Professional Education Development V 1-3 credits. A course for the practicing educator aimed at the development and improvement of educational skills. Various sections will have different subtitles. A maximum of 10 credits may be applied to fifth year programs. Graded S/U. D

H E g401 Issues in Health and Wellness 1 credit. Study of wellness issues emphasizing educational interventions. Topics include: death and dying, internet health resources, aging, helping skills. Repeatable to 4 credits. PREREQ: PERMISSION TO HEALTH EDUCATION PROGRAM OR INSTRUCTOR PERMISSION. D

H E g420 Health Planning and Evaluation 2 credits. Provides both a theoretical framework for and skill development in organizing, planning, implementing, and evaluating community health interventions. Key topics include: planning models, assessing community needs, evaluation design, and budgeting. F, S

H E 430 Curriculum in Health Education 2 credits. Health education planning and implementation of content into the public school curriculum is emphasized. External influences on health programs such as state guidelines, legislation, and parent and community groups will be discussed. F, S

H E g441 Driver and Traffic Safety Education II 2 credits. Development of student learning activities in driver and traffic safety education. Directed laboratory teaching experience includes teaching of beginning drivers in classroom and behind-the-wheel phases. PREREQ: H E 350. S

H E g442 Environmental Health and Health Education 2 credits. Study of a variety of issues related to protecting and preserving the environment with an emphasis on school and community educational programs. PREREQ: PERMISSION TO HEALTH EDUCATION PROGRAM OR INSTRUCTOR PERMISSION. S

H E g443 Substance Abuse and Health Education 2 credits. Study of the physical, psychological, sociological, and environmental factors related to drug use with emphasis on school and community prevention programs. PREREQ: PERMISSION TO HEALTH EDUCATION PROGRAM OR INSTRUCTOR PERMISSION. F

H E g444 Human Diseases and Health Education 2 credits. Study of diseases that affect humans with an emphasis on school and community education interventions to prevent disease. PREREQ: PERMISSION TO THE HEALTH EDUCATION PROGRAM OR INSTRUCTOR PERMISSION F

H E g445 Human Sexuality and Health Education 2 credits. Study of the multifaceted nature of human sexuality with an emphasis on school and community-level educational programs. PREREQ: PERMISSION TO HEALTH EDUCATION PROGRAM OR INSTRUCTOR PERMISSION S

H E g460 Healthy Lifestyle Management 3 credits. Provides a basic understanding of the social, emotional, and lifestyle factors related to health behavior. Strategies designed to identify barriers to behavior and to enhance the health of selected populations are examined. F, S, Su

H E g485 Independent Problems in Health Education 1-3 credits. Individual work under staff guidance. Field and/or library research on specific health education problems of interest to majors and minors. Permission of instructor. May be repeated up to 6 credits. F, S, Su

H E 490 Practicum - Health Education 8-16 credits. Practical experience in a field based setting, congruent with student’s employment goals. Required for community/worksite health option students. PREREQ: SENIOR STANDING IN HEALTH EDUCATION. Graded P/NP. F, S, Su

H E g491 Health Education Workshop 1-3 credits. A critical analysis of one or more areas of health education. Limited enrollment. PREREQ: PERMISSION OF INSTRUCTOR. F, S, Su

H E 495 Health Education: Student Teaching 7-14 credits. Observation and teaching under supervision in approved health education programs with the opportunity to assume direct responsibility for the learning activities of secondary level students. PREREQ: PERMISSION TO TEACHER EDUCATION PROGRAM AND APPROVED APPLICATION FOR STUDENT TEACHING. Graded S/U. F, S
Major in Dietetics
(Didactic Program in Dietetics)

The Bachelor of Science degree in Dietetics is approved by the American Dietetic Association. Students may enter the Pre-Dietetics component of the program following admission to the university. All students seeking a major in Dietetics must be advised by a member of the Dietetics faculty in the Department of Health and Nutrition Sciences.

Students seeking admission into the Didactic Program in Dietetics (DPD) must complete or have already successfully completed the courses outlined under the Pre-Dietetics curriculum. In addition, a student’s cumulative grade point average in all previous college courses that are applied toward a degree in Dietetics must be 2.5 or above. No course grade lower than a “C” will be accepted in any of the following classes: CHEM 101, 102; BIOS 221, 223, 301, 302; ENGL 101, 201; or CFS 104, 204, 239. Fulfillment of the specific requirements does not ensure admission into the program.

Students should apply for admission into the Didactic Program in Dietetics (DPD) during the second semester of the sophomore year. The application deadline is March 10th for admission the following spring. All applications must be received by the Department of Health and Nutrition Sciences (208) 236-2729. A $35 fee will be charged for processing applications.

New students are admitted to the Didactic Internship Program during both fall and spring semesters. Candidates should submit all application materials no later than February 15th of the spring semester for admission the following fall, and no later than September 25th for admission the following spring. Application packets can be obtained from the Department of Health and Nutrition Sciences (208) 236-2729. A $35 fee will be charged for processing applications.

Candidates must have a Bachelor of Science degree in Dietetics, Family and Consumer Sciences (Home Economics), or Food and Nutrition and have completed Didactic Program in Dietetics requirements as established by the American Dietetic Association. A minimum grade point average of 2.75 is required for admission. Up to four students will be admitted to the program each semester. Enrollment in the Idaho State University Didactic Program in Dietetics and/or fulfillment of specific requirements does not ensure admission into the Didactic Internship Program.

Nutrition and Dietetics Courses

Course descriptions and numerical listings for lower division food and nutrition courses can be found under Family and Consumer Sciences (Home Economics) course listings. These courses serve as prerequisites for several upper division Nutrition and Dietetics courses listed below.

NDT 300 Clinical Nutrition I 5 credits. Introduction to dietetics, diet therapy, principles and practices of nutritional care. Development of skills through clinical experiences of nutritional care planning. Three hours lecture/six hours clinical. PREREQ: CFS 239; BIOS g301, g302. F

NDT 301 Clinical Nutrition II 5 credits. Continuation of NTD 300 with emphasis on calculations of intake, charting progress and menu writing. Therapeutic nutrition as related to disease is emphasized. Three hours lecture/six hours clinical. PREREQ: NTD 300. S

NDT 312 Quantity Foods 3 credits. Principles and procedures for preparation of quantity food. Experiences in food production facilities with coordination of management principles through cost control, supervision, and food production. One hour lecture/six hours clinical. Cross-listed as CFS 312. PREREQ: CFS 204. F
**Bachelor of Science in Health Care Administration**

Courses Which Fulfill Both General Education Goals and Major Requirements (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 350</td>
<td>Organizational Behavior in Health Care</td>
<td>3 cr</td>
</tr>
<tr>
<td>HCA 360</td>
<td>Health Services Organization</td>
<td>3 cr</td>
</tr>
<tr>
<td>HCA 375</td>
<td>Health Services Organization</td>
<td>3 cr</td>
</tr>
<tr>
<td>HCA 382</td>
<td>Health Services Organization</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Other Required Courses in Liberal Arts (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 307</td>
<td>Professional Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 308</td>
<td>Business Communications</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENGL 402</td>
<td>Business Communications</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 253</td>
<td>Introduction to Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 227</td>
<td>Basic Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>MGT 216</td>
<td>Business Statistics</td>
<td>3 cr</td>
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</table>

Business Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Principles of Accounting I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 202</td>
<td>Principles of Accounting II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Introduction to Computer Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>FIN 315</td>
<td>Corporate Financial Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>FIN 478</td>
<td>Investments</td>
<td>3 cr</td>
</tr>
<tr>
<td>MGT 261</td>
<td>Legal Environment of Organizations</td>
<td>3 cr</td>
</tr>
<tr>
<td>MGT 329</td>
<td>Operations/Production Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>MKTG 325</td>
<td>Basic Marketing Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Health Care Administration Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCA 110</td>
<td>Introduction to the Allied Health Professions</td>
<td>2 cr</td>
</tr>
<tr>
<td>HCA 210</td>
<td>Medical Terminology and Communication</td>
<td>2 cr</td>
</tr>
<tr>
<td>HCA 350</td>
<td>Organizational Behavior in Health Care</td>
<td>3 cr</td>
</tr>
<tr>
<td>HCA g375</td>
<td>Health Care Law</td>
<td>3 cr</td>
</tr>
<tr>
<td>HCA g382</td>
<td>Health Services Organization and Policy</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Elective courses

The student is required to select 51 semester hours of goal and elective courses. Elective courses should be selected according to the student’s interests and career needs, in conjunction with a faculty advisor. No more than a total of 32 credit hours (required and elective) may be taken in the College of Business.

Recommended electives

The student is strongly encouraged to take the following 3 credits among the 51 semester hours:

- CIS 381 Management Information Systems 3 cr

Total required credits for Bachelor of Science in health care administration: 128.

Admission and Program Graduation Requirements

Application forms for admission as a major in health care administration should be requested from the department office. Completed application forms and copies of transcripts of previous college work must be submitted to the department not before the student’s second semester, sophomore year. Applications are considered by the department’s admission committee as they are received. Cumulative college or university grade point averages of 2.75 or higher are required for admittance as a major. The following courses are prerequisites for admission as health care administration major: ACCT 201, CIS 120 or equivalent, ECON 201, HCA 110, HCA 210, AND GOAL 1 and GOAL 3 REQUIREMENTS.

Students are required to earn a grade of C or better in all business, HCA and required courses. Students who receive a grade of D or below twice in the above required courses will not be admitted and if admitted will be dropped from the Bachelor of Science program. All such decisions will be reviewed by the department’s admission committee.

Students whose cumulative GPAs fall below 2.75 will be unable to continue in the program until the cumulative average is 2.75 or better.

HCA 400-level courses are reserved for HCA majors. Non-HCA majors must secure the permission of the instructor to enroll in HCA 400-level courses.

Health Care Administration Courses

HCA 110 Introduction to the Allied Health Professions 2 credits. Introduction to the allied health professions with emphasis on interrelationships and the team approach to health care. F, S

HCA 210 Medical Terminology and Communication 2 credits. Terminology and vocabulary basic to all areas of medical science, hospital services, and allied health specialties. Enables student to develop skills in correct usage, both written and oral, of medical terms. F

HCA 350 Organizational Behavior in Health Care 3 credits. Study of individual and group behavior in HCOs. Topics include social responsibility and ethics; decision making; motivation; leadership; communication; power, politics and stress; organizational culture, change and development. F

HCA 4375 Health Care Law 3 credits. Principles governing application of contemporary law to health care organizations and personnel, standards of care, and liability for breach of care. Examines tort, contract, and statutory law related to health care delivery. S

HCA g382 Health Services Organization and Policy 3 credits. U.S. health care organization and delivery and how governmental policy affects it. Emerging trends, vital statistics, the impact of economics and financing, cost containment, and political aspects will be examined. F

HCA g383 Epidemiology 3 credits. Patterns of disease in populations, with special emphasis on the control of disease and the ecological forces and changes in social structures that influence the occurrence and distribution of disease. S

HCA 384 Human Resource Management in Health Care Organizations 3 credits. EEO; job analysis, design, description and evaluation; wage and salary administration; recruitment and selection; personnel testing; assessing employee performance; communication; training and development; and employee discipline. S

HCA 401 Internship 8 credits. Exposure to administration of health facilities. Student completes 440 hours within a semester/summer in approved health facility. PREREQ: SENIOR, HCA MAJOR, COMPLETED GOAL AND REQUIRED COURSES, AND ONE HCA ELECTIVE OR PERMISSION OF INSTRUCTOR. S, Su

HCA 451 Hospital Management 2 credits. Topics include hospital governance, medical staff, hospital programs, nursing service, administrator’s tasks and functions, management of quality, costs and conflict, unionization and collective bargaining, and government financial regulations. PREREQ: HCA g382. F

HCA 452 Long Term Care Management 2 credits. The management of nursing homes and other long term facilities. Includes supervisory policies, labor relations, human relations, gerontology and geriatrics, nutrition and housekeeping, patient care, reimbursement policies, purchasing, inventory, and financial analysis. F

HCA 453 Health Care Finance 3 credits. Managerial aspects of financial analysis. Includes analysis of financial statements, costs, capital projects, and working capital; Medicare, Medicaid, changes and rate setting under reimbursement schedules; and strategic planning. PREREQ: ACCT 201, FIN 315. S

HCA 455 Health Care Organization Management 3 credits. Applies managerial concepts and roles to HCOs. Examines input-conversion-output models; allocation, utilization, and control of resources; using human resources; personnel considerations, and labor relations. PREREQ: ALL HCA 300 LEVEL COURSES. F

HCA g473 Marketing for Health Care Organizations 2 credits. Current marketing trends in the health care marketplace. Consumer orientation; health care marketing plans and strategy development. PREREQ: MKTG 325. S

HCA 481 Independent Problems in Health Services Administration 1-3 credits. Student selects an area of special interest through independent study. A report will be required giving results. May be repeated for a maximum of 6 elective credits. PREREQ: HCA MAJORS ONLY. D

HCA 491 Senior Seminar 3 credits. Capstone course. Brings together all learning activities including general education, business, and required health care administration courses. PREREQ: SENIOR, AND COMPLETION OF REQUIRED HCA 300 LEVEL COURSES OR PERMISSION OF INSTRUCTOR. F, S

HCA 491 Senior Seminar 3 credits. Capstone course. Brings together all learning activities including general education, business, and required HCA courses. PREREQ: SENIOR, HCA MAJOR, COMPLETED GOAL AND REQUIRED COURSES, AND ONE HCA ELECTIVE OR PERMISSION OF INSTRUCTOR. F, S
Idaho Dental Education Program (IDEP)

Program Director and Associate Professor: Friedrichsen
Adjunct Faculty: Hiller, Nielsen

The Idaho Dental Education Program (IDEP) is designed to provide residents of Idaho with access to a high quality dental education as if Idaho had its own dental school. The IDEP program is fully accredited by the American Dental Association. The program involves a first year curriculum at Idaho State University in Pocatello, followed by completion of the second through fourth years at Creighton University in Omaha, Nebraska. Students completing the four year program receive the Doctor of Dental Surgery (D.D.S.) degree and are eligible to take the licensure examinations necessary to become a practicing dentist. Students may also elect to pursue advanced training through residencies or specialty programs, eventually becoming board certified in one of the recognized dental specialties.

There are seven positions available for Idaho residents; a number which is designed to closely match the future need for dentists in Idaho. Applicants to the program must have completed the necessary prerequisites in English, Biology, Inorganic Chemistry, Organic Chemistry, Physics and other requirements as outlined in the Idaho Dental Education Program Bulletin. In addition to fulfilling the minimal prerequisites most students accepted into the program will have a bachelor’s degree at the time of entry into IDEP. Each year however, some exceptional students who have completed the junior level (upper division) of college coursework are admitted into the program.

Students are encouraged to work closely with their pre-dental academic advisor in making course selections which fulfill dental school and degree completion requirements.

Formal application for admission to the IDEP program follows the guidelines printed in the Idaho Dental Education Program Bulletin and the Creighton University School of Dentistry Bulletin. The application process involves: taking the Dental Aptitude Test (DAT), completion of the American Association of Dental Schools Application Service (AADSAS) centralized application, the Creighton Supplemental Application and the IDEP Residency Certification Form. Although the application process can be initiated as late as January 1 of the year the student plans to enter the program, earlier application is strongly encouraged to allow adequate time for completion of admission requirements and consideration by the admissions committee.

Further information concerning the program, admission requirements, Bulletins and Residency Certification forms can be obtained by contacting the program at the following address:
Steven W. Friedrichsen, DDS
Idaho Dental Education Program
Box 8088
Idaho State University
Pocatello ID 83209-8088
Phone: (208) 236-3289

Required Basic Science Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 500</td>
<td>Oral Histology and Embryology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 500L</td>
<td>Oral Histology and Embryology Lab</td>
<td>0 cr</td>
</tr>
<tr>
<td>BIOS 519</td>
<td>Mammalian Histology</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 519L</td>
<td>Mammalian Histology Lab</td>
<td>0 cr</td>
</tr>
<tr>
<td>BIOS 532</td>
<td>Biochemistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 540</td>
<td>Human Gross Anatomy</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 540L</td>
<td>Human Gross Anatomy Lab</td>
<td>0 cr</td>
</tr>
<tr>
<td>BIOS 546</td>
<td>Selected Topics in Physiology</td>
<td>1 cr</td>
</tr>
<tr>
<td>BIOS 550</td>
<td>Head and Neck Anatomy</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 550L</td>
<td>Head and Neck Anatomy Lab</td>
<td>0 cr</td>
</tr>
<tr>
<td>BIOS 555</td>
<td>Pathogenic Microbiology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 560</td>
<td>Neuroanatomy</td>
<td>2 cr</td>
</tr>
<tr>
<td>BIOS 568</td>
<td>Oral Microbiology</td>
<td>1 cr</td>
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Required Dental Science Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDEP g413/</td>
<td>Dental Anatomy Lecture I</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(OPD)113</td>
<td>Dental Anatomy Laboratory</td>
<td>3 cr</td>
</tr>
<tr>
<td>IDEP g414/</td>
<td>Dental Materials Science I</td>
<td>2 cr</td>
</tr>
<tr>
<td>CU(OPD)114</td>
<td>Interpersonal Relationships and Communication</td>
<td>1 cr</td>
</tr>
<tr>
<td>IDEP g415/</td>
<td>Preventive Dentistry</td>
<td>2 cr</td>
</tr>
<tr>
<td>CU(OPD)115</td>
<td>Community Dentistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>IDEP g426/</td>
<td>History of Dentistry</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(OPD)116</td>
<td>Community Dentistry</td>
<td>1 cr</td>
</tr>
<tr>
<td>IDEP g426/</td>
<td>Field Experience</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(OPD)134</td>
<td>Behavioral Growth</td>
<td>1 cr</td>
</tr>
<tr>
<td>IDEP g425/</td>
<td>Development</td>
<td>1 cr</td>
</tr>
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</table>

Optional Dental Science Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDEP g433/</td>
<td>Oral Hygiene Technique</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(CPD)132</td>
<td>Dental Materials Science II</td>
<td>3 cr</td>
</tr>
<tr>
<td>IDEP g434/</td>
<td>Occlusion Laboratory</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(CPD)135</td>
<td>Values and Ethics</td>
<td>1 cr</td>
</tr>
<tr>
<td>IDEP g435/</td>
<td>Residency Certification Form</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(FPR)132</td>
<td>Research</td>
<td>1 cr</td>
</tr>
<tr>
<td>IDEP g441/</td>
<td>Community Dentistry</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(CPD)143</td>
<td>Preventive Dentistry</td>
<td>2 cr</td>
</tr>
<tr>
<td>IDEP g454/</td>
<td>History of Dentistry</td>
<td>1 cr</td>
</tr>
<tr>
<td>CU(FPR)135</td>
<td>Oral Hygiene Technique</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

IDEP Courses

IDEP g413 and CU(OPD) 113 Dental Anatomy Lecture I 1 credit. Nomenclature, chronology and methods of designation of human teeth. Form, size and contour of the teeth, including external and internal anatomy of the permanent and deciduous dentitions, intertroot relations and occlusion. D

IDEP g414 and CU(OPD) 114 Dental Anatomy Laboratory 3 credits. Carving of plaster teeth larger than average measurements and carving of wax teeth to natural size. Mounting of study casts on a functional articulator and waxing of teeth in occlusion. F

IDEP g415 and CU(OPD) 115 Dental Materials Science I 2 credits. Composition, properties and application of the materials used in dentistry. Basic information on the design of preparatory work necessary for the mouth incident to the reception of these materials. F

IDEP g417 and CU(CPD) 111 Interpersonal Relationships and Communication 1 credit. To assist their orientation and adjustment to professional education, freshmen will participate in group introductions followed by a discussion on interpersonal relationships and communication in general, relationships with classmates, administrators, faculty, and staff; dealing with stress; and establishing study habits. Graded P/NP. F

IDEP g423 and CU(CPD) 113 Preventive Dentistry 2 credits. Introducing the philosophy and need for preventive dentistry by developing the student’s knowledge of and skills for effective oral hygiene. Concepts of self motivation, knowledge of dental diseases and abnormalities; application of the principles of fluoridation, nutrition, patient motivation, and home care. F

IDEP g424 and CU(CPD) 131 Community Dentistry 3 credits. Principles of cancer epidemiology, public health dentistry, dental health education, and preventive programs in the schools and community. Developing the elemental concepts of research design, measurement and statistics. S

IDEP g425 and CU(CPD) 115 History of Dentistry 1 credit. To acquaint the student with the history of dentistry from ancient times to present, emphasis is placed upon contributions by individuals and groups of individuals leading to the current status of dentistry in the United States. Graded P/NP. F
Department of Nursing

Chair and Professor: Clarke
Associate Chair and Assistant Professor: Mitchell
Associate Professors: Hayward, Hyde, Jacobson, Robinson, Sato
Assistant Professors: Arvidson, Branch, Drake, Hill, McRoberts, Watkins
Instructors: Hewett
Adjunct Faculty: Babb, Kaufmann, Olsen

The undergraduate nursing program at ISU is a four-year professional program which leads to the degree of Bachelor of Science with a major in nursing. The program is accredited nationally and approved by the Idaho Board of Nursing. The aim of the Department of Nursing is to prepare graduates to function as professional nurses wherever there are people who need nursing services. Students are provided an opportunity to learn and to practice nursing in special learning laboratories and in a variety of settings where people need nursing care. After an initial period of orientation, graduates are prepared to assume leadership responsibility. Graduates are eligible to write the National Council Licensure Examination for registered nurses (NCLEX-RN). The undergraduate program serves as a foundation for graduate study.

The Master of Science degree is nationally accredited and is offered with two options: 1) Leadership, and 2) Family Nurse Practitioner. (See the Graduate Catalog for admission and degree requirements.)

The courses listed below reflect a curriculum which is responsive to national trends and the health care needs of Idaho citizens. The focus in this curriculum is on multiple dimensions of client care, including the promotion of health as well as the alleviation of illness.

Admission

Students are admitted to the nursing program at the junior level. Admission to the program is granted only for the fall semester. All materials, including official transcripts of all courses completed at universities other than Idaho State University, and a $25 non-refundable application fee, must be submitted to the Department of Nursing Admissions and Advancement Committee by January 15 to insure consideration for fall enrollment. Applicants will be notified of the results of the review process by March 15.

1. The following criteria must be met for an applicant to be eligible for consideration for admission to the baccalaureate nursing program:
   a. minimum cumulative grade point average of 2.8 at the time of application (end of fall semester prior to application or the most current semester prior to application deadline);
   b. maintenance of minimum cumulative grade point average of 2.8 from the time of application to fall admission;
   c. completion of the following prerequisite courses, or equivalents, with a grade of “C” or better and a cumulative grade point average of 2.8 or better for all prerequisite courses (failure to do so will result in loss of admission status): ANTH 100 (or SOC 101 or SOC 112); BIOL 101; BIOS 221, 223, g301, and g302; CHEM 101 (or CHEM 111); CHEM 102 or CHEM 112; CFS 200 (or CFS 302 or PSYC 225); NURS 100; NURS 110, 220, 260, 261, 300, and 330; PSYC 101. Admission is competitive based on GPA in these courses. Idaho residents are given one additional point on the admission scale, as are members of the federally recognized minority groups. One additional point is given to students who were on the alternate admission list the previous year.

2. An alternate admission list is established when there are more eligible students than there are available positions. Alternate status is recognized only for the year of the application. Should the student not be admitted, s/he must reapply for the next year in order to be reviewed for admission with the new group of applicants. If positions become available to accommodate additional eligible students, those on the alternate list will be notified.

3. All students reapplying to the nursing program must meet the prevailing admission criteria in order to be eligible for readmission. Reapplication does not guarantee readmission. Reapplicants will be subject to the same scrutiny and consideration as an initial applicant.

4. a) All students (R.N.s included) must first be admitted to the University. Criteria for admission may be obtained from the Nursing Department in Pocatello (telephone 208-236-2185); Twin...
Professions

College of

A recommendation to the Chairperson of the Committee. The committee will make a request to continue, must have their records submitted that the unsafe behaviors have been corrected.

Student must submit the request in writing on a Department of Nursing petition and in such cases, the student may be called to appear before the committee.

A student who is in academic jeopardy (below a “C” grade in nursing course or below 2.0 GPA) at mid-semester will be notified in writing by the Department of Nursing. Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct as defined by the American Nurses Association code, departmental policy on safe practice in the clinical setting, and academic honesty.

Graduation

Each senior student must contact the graduation clerk in the fall preceding graduation. The student’s academic record will be formally reviewed for completeness of specified course work and university requirements. The Department of Nursing formally reviews the transcripts of senior students for completeness of departmental requirements. Failure to maintain a cumulative grade point average of 2.0 will result in non-conference of the degree and the inability of the person to apply for NCLEX-RN and licensure.

Expenses

Students in the Department of Nursing will incur certain expenses, such as the cost of clinical apparel and lab fees, in addition to the student expenses listed by the university. Clinical learning experiences are held in a variety of agencies, so transportation expenses may be incurred.

Financial Assistance

In addition to the financial aid available to all university students, special awards and funds may be available to qualified nursing students. For information about financial assistance, contact the Financial Aid and Scholarship Office.

Graduate Program

The Department of Nursing offers a graduate program leading to the degree of Master of Science with a major in nursing. See the Graduate Catalog for information. For further information write to the Department of Nursing, ISU Box 8101, Pocatello, Idaho 83209, or phone (208) 236-2720.

Bachelor of Science in Nursing

University General Requirements (Specific Goal Courses Required)

Courses Required for Major in Nursing

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Courses Required for Major in Nursing

Financial Assistance

In addition to the financial aid available to all university students, special awards and funds may be available to qualified nursing students. For information about financial assistance, contact the Financial Aid and Scholarship Office.

Graduate Program

The Department of Nursing offers a graduate program leading to the degree of Master of Science with a major in nursing. See the Graduate Catalog for information. For further information write to the Department of Nursing, ISU Box 8101, Pocatello, Idaho 83209, or phone (208) 236-2720.

Bachelor of Science in Nursing

University General Requirements (Specific Goal Courses Required)

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Bachelor of Science in Nursing

University General Requirements (Specific Goal Courses Required)

Courses Required for Major in Nursing

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Required Nursing Courses

NURS 220 Introduction to Professional Nursing (for generic students only) 2 cr
NURS 260 Basic Clinical Nursing 1 cr
NURS 261 Basic Nursing Practicum (3 contact hours lab) 1 cr
NURS 300 Principles of Health Promotion 3 cr
NURS 301 Health Care Assessment (2 credits theory and 3 contact hours lab) 3 cr
NURS 312 Mental Health Nursing Concepts 4 cr
NURS 313 Mental Health Nursing Practicum (6 contact hours lab) 2 cr
NURS 330 Nursing Research 3 cr
NURS 348 Medical-Surgical Nursing I 2 cr
NURS 351 Medical-Surgical Nursing Practicum I (9 contact hours lab) 3 cr
NURS 352 Nursing Care of Children 2 cr
NURS 368 Medical-Surgical Nursing II 3 cr
NURS 371 Medical-Surgical Nursing Practicum II (12 contact hours lab) 4 cr
NURS 372 Nursing Care of Older Adults 2 cr
NURS 408 Families in the Community 2 cr
NURS 409 Families in the Community Practicum 2 cr
NURS 412 Childbearing Families 2 cr
NURS 413 Childbearing Families Practicum 2 cr
NURS 440 Nursing Leadership Practicum 5 cr
NURS 441 Nursing Leadership Practicum 5 cr
NURS 408 Families in the Community 2 credits. Use the nursing process to promote health maintenance/disease prevention for clients/families in the community. PREREQ: ALL JUNIOR NURSING COURSES. COREQ: NURS 409, 412, 413; PHIL 230. F, S
NURS 409 Families in the Community Practicum 3 credits. Application of the nursing process with clients/families in the community, focusing on health maintenance/disease prevention. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 408, 412, 413; PHIL 230. F, S
NURS 412 Childbearing Families 2 credits. Use the nursing process with clients focusing on health maintenance and disease prevention through the childbearing stage. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 408, 409, 413; PHIL 230. F, S
NURS 413 Childbearing Families Practicum 2 credits (6 contact hours). Application of the nursing process focusing on health maintenance and disease prevention through the childbearing stage. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 408, NURS 409, NURS 412, PHIL 230. F, S
NURS 417 Interdisciplinary Evaluation Team 1 credit. Introduction to principles, techniques of interdisciplinary evaluation. Disciplines emphasized: Audiology, Nursing, Physical Therapy, Psychology, Social Work, Special Education, Speech-Language Pathology. Cross-listed: PSYC g417, SOWK g417, SPA g417. PREREQ: PERMISSION OF INSTRUCTOR. S
NURS 440 Nursing Leadership Credits. Contemporary approaches to organizing care for groups of clients in acute care or community settings. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 441, PHIL 230. F, S, Su
NURS 441 Nursing Leadership Practicum 5 credits (15 contact hours). Provides nursing care for groups of clients. Facilitates transition from student to professional nurse role. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 440, PHIL 230. F, S, Su
NURS 491 Independent Study in Nursing Credit variable to 3. Independent study in a specific area of nursing of special interest. PREREQ: PERMISSION OF DEPARTMENT. F, S

NURS 305 Physical Assessment Practicum 1 credit. Presents in-depth physical assessment skills to licensed nurses for admission to baccalaureate nursing program. PREREQ: LPN OR RN STATUS, PERMISSION OF DEPARTMENT. D
NURS 312 Mental Health Nursing Concepts 3 credits. Holistic theoretical perspective of mental health nursing of clients of all ages. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 313, 368, 371, 372; PHAR 317. S
NURS 313 Mental Health Nursing Practicum 2 credits (6 contact hours lab). Clinical application of the nursing process utilizing mental health concepts. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 368, 371, 372; PHAR 317. S
NURS 330 Nursing Research 3 credits. Nursing research will be critiqued by students utilizing basic concepts of research methodology. PREREQ: PERMISSION OF DEPARTMENT. S
NURS 348 Medical-Surgical Nursing I 2 credits. Theory and process focusing on care of clients with alterations in health status, wellness, and/or restoration of health. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 351, 352; BIOS 305, PHAR 316. F
NURS 351 Medical-Surgical Nursing Practicum I 3 credits (9 contact hours). Focus on the course of disease and/or on the restoration of health. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 348, 352; BIOS 305, PHAR 316. F
NURS 352 Nursing Care of Children 2 cr
NURS 353 Nursing Care of Adults 2 cr
NURS 368 Medical-Surgical Nursing Practicum 2 credits (6 contact hours lab). Application of the nursing process to clients in acute care and community settings. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 348, 351; BIOS 305, PHAR 316. S
NURS 368 Medical-Surgical Nursing II 3 credits. Theory and process focusing on complex alterations in health status and wellness. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 313, 371, 372; PHAR 317. S
NURS 371 Medical-Surgical Nursing Practicum II 4 credits (12 contact hours). Application of the nursing process to clients in acute care and community settings. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 313, 368, 372; PHAR 317. S
NURS 372 Nursing Care of Older Adults 2 credits. Use of geriatric nursing principles to help older adults. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 313, 368, 371; PHAR 317. F
NURS 405 Socialization into Professional Nursing 1 credit. Limited to registered nurses. Linkage course that introduces the philosophy and conceptual framework of the Department of Nursing. Nursing theories are introduced for the guiding of nursing care. D

Professional Nursing Courses

NURS 220 Introduction to Professional Nursing 2 credits. Social forces affecting professional nursing are analyzed in the context of their impact on health care. Concepts of health promotion and adaptation of clients of all ages are presented. F, Su
NURS 260 Basic Clinical Nursing Theory 1 credit. Introduces basic skills associated with client care in long-term and community settings. Theoretical foundations are presented through discussion, simulation, and the nursing process. COREQ: NURS 220, 261. F, Su
NURS 261 Basic Nursing Practicum 1 credit lab (3 contact hours). Application and practice of basic skills associated with health care. COREQ: NURS 220, 260. F, Su
NURS 300 Principles of Health Promotion 3 credits. Emphasis on teaching/learning of wellness and health promotion to clients of all ages. S, Su
NURS 301 Health Care Assessment 3 credits (2 credits theory; 3 contact hours lab). Physical exams of bio-psycho-social, cultural, and spiritual domains for clients of all ages. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 348, 351, 352; BIOS 305; PHAR 316. F
NURS 305 Physical Assessment Practicum 1 credit. Presents in-depth physical assessment skills to licensed nurses for admission to baccalaureate nursing program. PREREQ: LPN OR RN STATUS, PERMISSION OF DEPARTMENT. D
NURS 312 Mental Health Nursing Concepts 3 credits. Holistic theoretical perspective of mental health nursing of clients of all ages. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 313, 368, 371, 372; PHAR 317. S
NURS 313 Mental Health Nursing Practicum 2 credits (6 contact hours lab). Clinical application of the nursing process utilizing mental health concepts. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 368, 371, 372; PHAR 317. S
NURS 330 Nursing Research 3 credits. Nursing research will be critiqued by students utilizing basic concepts of research methodology. PREREQ: PERMISSION OF DEPARTMENT. S
NURS 348 Medical-Surgical Nursing I 2 credits. Theory and process focusing on care of clients with alterations in health status, wellness, and/or restoration of health. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 351, 352; BIOS 305, PHAR 316. F
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College of Health Professions
Department of Physical and Occupational Therapy

Chair and Professor: Urfer
Associate Professor: LaPier
Assistant Professors: Alexander, Creelman, Donovan, Gibson, Sirotnak, Wintz
Instructor: Cleary

The Department of Physical and Occupational Therapy offers graduate level programs for students wanting to enter the profession of physical or occupational therapy. The Physical Therapy Program is fully accredited by the Commission on Accreditation of Physical Therapy Education. The Occupational Therapy Program has been granted Developing Program Status by the Accreditation Council for Occupational Therapy Education.

A 3.00 overall GPA for all prerequisite course work and a 3.0 GPA in each science area is required for consideration for admission into either program. Applicants must additionally meet all requirements for admission to the Graduate School. In addition to specific course prerequisites, applicants will have to provide evidence of having worked in a physical therapy or an occupational therapy setting as an aide or volunteer.

Undergraduate students preparing for physical or occupational therapy should choose a major which is of interest to them and which will assist in completion of prerequisite course work. Baccalaureate students will have advisors in their major department, but should also seek additional health professions advising through the Department of Biological Sciences. Students who have completed a baccalaureate degree and who are completing prerequisites for physical or occupational therapy should call the Department of Physical and Occupational Therapy for appropriate advising. For further information on physical therapy or occupational therapy entrance requirements and program description, refer to the Graduate Catalog.

Pre-Physical Therapy Preparation

Preparation should consist of a strong background in natural and social sciences. Any undergraduate major is acceptable.

- **BIOLOGY** (3 courses). Botany courses will NOT be accepted.

1 & 2. Anatomy and Physiology each with laboratory (vertebrate or human). 2 semesters or 2-3 quarters. This course must have been completed within the last 7 years. Human anatomy and physiology courses MUST be listed in Biology, Zoology, Anatomy or Physiology Departments for fulfillment of this requirement.

3. Additional 3-unit (or more) Upper Division or Graduate Biology Course. A Lab-only course will NOT be accepted. Examples of upper division courses that may meet this requirement—if taken at the upper division level—include:

- advanced anatomy
- histology
- advanced physiology
- cell biology
- biochemistry
- biophysics
- microbiology
- genetics
- embryology and development

*Note: All biology prerequisites including advanced biology MUST be listed in Biology or Zoology Departments.*

- **CHEMISTRY** (2 courses)

1 & 2. Introductory Chemistry with laboratory. Must be courses for science majors. 2 semesters or 2-3 quarters. A more recently completed chemistry course at upper division or graduate level with laboratory may also meet this requirement.

- **PHYSICS** (2 courses)

1 & 2. Introductory Physics with laboratory. Must be courses for science majors. 2 semesters or 2-3 quarters. A more recently completed physics course at upper division or graduate level with laboratory may also meet this requirement.

- **MATHEMATICS** (1 course)

1. Statistics - 3 or more units. Research methods or tests & measurements courses will NOT meet this requirement.

- **PSYCHOLOGY and SOCIOLOGY or ANTHROPOLOGY or HEALTH SCIENCE (2 courses)**

1. Introductory Psychology. More recent upper division psychology courses may be accepted.

2. Sociology or Anthropology or Health Science or Psychology (1 course). This course must be relevant to health care, rural societies, cultural diversity, aging, health care administration, abnormal psychology or epidemiology. Marriage/Family, religion or history courses will NOT meet this requirement.

**Computer Competence**

Applicants must be competent in working with computers and be able to use word processing and spreadsheet software prior to entry into the program.

Pre-Occupational Therapy Preparation

Preparation should consist of a strong background in natural and social sciences. Any undergraduate major is acceptable.

- **SOCIAL BEHAVIORAL SCIENCE** (4 courses. 3 credits each)

  - Human Development - 1 semester
  - Sociology - 1 semester
  - Abnormal Psychology - 1 semester
  - Cultural Anthropology - 1 semester

- **BIOLOGY** (2 courses, 4 credits each)

1 & 2. Anatomy and Physiology, each with laboratory (vertebrate or human). 2 semesters or 2-3 quarters. This course must have been completed within the last 7 years. Human anatomy and physiology courses MUST be listed in Biology, Zoology, Anatomy or Physiology Departments for fulfillment of this requirement.

- **CHEMISTRY** (2 courses, 4 credits each)

1 & 2. Introductory Chemistry with laboratory. Must be courses for science majors. 2 semesters or 2-3 quarters. A more recently completed chemistry course at upper division or graduate level with laboratory may also meet this requirement.

- **PHYSICS** (1 semester required; full year recommended; 4 credits)

1. Introductory Physics with laboratory. Must be courses for science majors. 1 semester or 2-3 quarters. A more recently completed physics course at upper division or graduate level with laboratory may also meet this requirement.
care of under-served communities in both urban and rural settings.

The Physician Assistant Program at Idaho State University is a 24-month, full time, professional program which awards the Bachelor of Science degree and PA Certificate. In April of 1997, The Physician Assistant Program received a three-year accreditation from the Committee on Accreditation of Allied Health Education Programs (CAAHEP).

Admission
Formal application for admission to the Physician Assistant Program must be submitted by January 15 of the year in which the student wishes to enter. Applicants must complete all academic prerequisites by the end of the Fall semester preceding the application deadline (the only exception is the second semester of organic chemistry (CHEM 302), which may be in progress during spring semester of the year in which a student applies. Applications for the Physician Assistant Program and information regarding current admission criteria and procedures may be obtained directly from the department. The Physician Assistant Program also has a home page reached via ISU’s world wide web address: http://www.isu.edu/academics.html. Admission to Idaho State University is a separate procedure and must be completed simultaneously with application to the Physician Assistant Program.

Academic Prerequisites
The pre-professional phase involves preparatory science courses and general education requirements (see Graduation Requirements section below) for a minimum of 64 credits. Prior health care experience is preferred, but not required, for entrance into the program. Completion of the science prerequisites with a minimum GPA of 3.0 is required. Applicants must have basic science prerequisites no older than ten years. Exceptions may be granted by the Program Director.

Academic Prerequisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 202-202L*</td>
<td>General Zoology and Laboratory</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 221*</td>
<td>Introductory Microbiology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 223*</td>
<td>Introductory Microbiology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 301*</td>
<td>Anatomy and Physiology I</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 302*</td>
<td>Anatomy and Physiology II</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 111*</td>
<td>General Chemistry I</td>
<td>5 cr</td>
</tr>
<tr>
<td>CHEM 112*</td>
<td>General Chemistry II</td>
<td>4 cr</td>
</tr>
<tr>
<td>CHEM 301</td>
<td>Organic Chemistry I</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 302</td>
<td>Organic Chemistry II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

(This last course may be in progress during the spring semester in which you apply to the program.)

* Applicants must have basic science prerequisites no older than 10 years. Exceptions may be granted by Program Director.

The following courses are highly recommended: Any statistics course, and Abnormal Psychology I or II (PSYC 301 or 302), and other advanced biology courses.

Graduation Requirements
The general education requirements for graduation are published in the Application for Admission to Idaho State University. It is the responsibility of applicants to review these requirements. Applicants must have completed all general education requirements prior to matriculation in the Program.

Academic Standards
To enroll in upper division courses with the PAS (Physician Assistant Studies) prefix, students must be accepted for admission to the Physician Assistant Program. Each student is responsible for completing the required course work in proper sequential order. To be eligible for graduation and progression in the Physician Assistant Program, the student must have a cumulative grade point average of 2.50. Course work for which the student receives a grade of below “C” will not be accepted as fulfilling requirements for the Physician Assistant Program. Deviations from these standards must be approved by the department chairperson.

All students in the program are subject to the academic standards and guidelines of the program which are provided in the Academic Guidelines and Policies handbook on the first day of classes.

Physician Assistant Program Curriculum
The program consists of two phases: the academic, or first year classroom experience which is three semesters in length, and the clinical, or senior year, which consists of three semesters.

Academic Phase

Fall Semester

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>BIOS 332</td>
<td>Biochemistry</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 429</td>
<td>Anatomy, Regional, with Histology</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 464</td>
<td>Lectures in Human Physiology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOS 463</td>
<td>Human Pathophysiology</td>
<td>4 cr</td>
</tr>
<tr>
<td>PAS 301</td>
<td>Clinical Assessment I</td>
<td>2 cr</td>
</tr>
<tr>
<td>PAS 302</td>
<td>Physician Assistant</td>
<td></td>
</tr>
<tr>
<td>PAS 309</td>
<td>Role and Ethics</td>
<td>1 cr</td>
</tr>
</tbody>
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<tr>
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<td>Organic Chemistry II</td>
<td>3 cr</td>
</tr>
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</table>
Department of Radiographic Science

Chair and Associate Professor: Francis Moore
Clinical Affiliate Faculty: Austin Brower, Cameron Eng, Madden Merrell, Mitchell, D. Moore, Sherman, Spraker, Trost, Wells
Adjunct Faculty: Pond-Bell

Physician Assistant Courses

PAS 108 Spanish for Health Care Professionals 1 credit. Introductory course for health students with limited or no knowledge of Spanish. Includes basic vocabulary and phrases commonly used in uncomplicated, everyday medical exchanges. Cross-listed as ANTH 108. D

PAS 301 Clinical Assessment 1 2 credits. Techniques for performing and recording a complete general physical examination and complete medical history. PREREQ: ADMISSION TO PA PROGRAM. F

PAS 302 Physician Assistant Role and Ethics 1 credit. Role socialization course presenting practice roles for physician assistants, history of the profession, and legal and ethical issues regarding PA practice. PREREQ: ADMISSION TO THE PA PROGRAM. F

PAS 304 Psychosocial Aspects of Medicine 2 credits. Theory and practice of obtaining psychiatric history; recognition and treatment of major psychological disorders. PREREQ: PAS 301. S

PAS 305 Clinical Nutrition 1 credit. Nutritional counseling for commonly encountered diseases in primary care and general patient care. PREREQ: PERMISSION OF INSTRUCTOR. Su

PAS 306 Clinical Laboratory Science 2 credits. Performance and interpretation of laboratory procedures commonly performed in primary care such as complete blood count, urinalysis and throat cultures. PREREQ: PAS 402. Su

PAS 307 Interpretation of Electrocardiograms 1 credit. Identifying normal and abnormal electrocardiographic findings. Describing abnormal findings and correlating to clinical presentation and disease. PREREQ: ADMISSION TO P.A. PROGRAM. Su

PAS 308 Clinical Skills Laboratory 2 credits. Instruction and practice in clinical skills such as how to cast fractures, suture wounds, give injections and perform other procedures required. PREREQ: PAS 402. Su

PAS 309 Health Promotion and Disease Prevention 2 credits. Epidemiological concepts in relation to disease prevention and health promotion. Statistical approach to interpretation of the biomedical literature. PREREQ: ADMISSION TO PA PROGRAM. F

PAS 311 Clinical Assessment II 2 credits. Techniques for performing and recording a complete physical examination and medical history. PREREQ: PAS 301. S

PAS 319 Clinical Therapeutics for Physician Assistants 2 credits. Basis in pharmacokinetics and pharmacotherapeutics for physician assistant clinical practice. PREREQ: PAS 301. S

PAS 320 Clinical Therapeutics for Physician Assistants I 2 credits. The first course in a 2 course sequence which presents the basics in pharmacokinetics and pharmacotherapeutics for physician assistant clinical practice. PREREQ: PAS 301. S

PAS 321 Clinical Therapeutics for Physician Assistants II 2 credits. The second course in a 2 course sequence which presents the basics in pharmacokinetics and pharmacotherapeutics for physician assistant clinical practice. PREREQ: PAS 301. S

PAS 402 Clinical Medicine I 6 credits. Manifestations, diagnosis, and management of problems in ophthalmology, dermatology, ENT, and immunology. PREREQ: PAS 301. S

PAS 410 Topics in Surgery and Emergency Medicine 3 credits. Surgical theory; diagnosis and intervention of surgical emergencies; emergency medicine topics; including prehospital care, trauma, and common ambulatory medicine emergencies. PREREQ: PAS 301. S

PAS 412 Clinical Medicine II 6 credits. Manifestations of disease, diagnosis and management of endocrine, renal, neurological, hematology/oncology, rheumatologic and geriatric problems. PREREQ: PAS 402. Su

PAS 415 Topics in Pediatrics 2 credits. Overview of clinical pediatrics in primary care, including immunizations, growth and development, congenital, infectious, neoplastic, emergent and surgical problems. PREREQ: PAS 402. Su

PAS 420 Internal Medicine Rotation 4 credits. A five week clinical rotation as a member of the health care team in an internal medicine setting. PREREQ: PAS 412. F, S, Su

PAS 422 Outpatient Medicine Rotation 4 credits. A five week clinical rotation as a member of a health care team in an ambulatory setting. PREREQ: PAS 412. F, S, Su

PAS 424 Surgery Rotation 4 credits. A five week clinical rotation as a member of the health care team in outpatient/inpatient surgical settings. PREREQ: PAS 412. F, S, Su

PAS 426 Obstetrics and Gynecology Rotation 4 credits. A five week clinical rotation as a member of the health care team in outpatient and inpatient OB/GYN settings. PREREQ: PAS 412. F, S, Su

PAS 428 Pediatric Rotation 4 credits. A five week clinical rotation as a member of the health care team in pediatric settings. PREREQ: PAS 412. F, S, Su

PAS 430 Emergency Medicine Rotation 4 credits. A five week clinical rotation as a member of the health care team in an emergency setting. PREREQ: PAS 412. F, S, Su

PAS 432 Psychiatry Rotation 4 credits. A five week clinical rotation as a member of the health care team with a psychiatric patient population. PREREQ: PAS 412. F, S, Su

PAS 434 Selected Clinical Rotation 4 credits. A five week clinical rotation in a selected clinical topic, chosen by the student, with PA faculty approval required. PREREQ: PAS 412. F, S, Su

PAS 438 Primary Care Preceptorship 12 credits. A seven week capstone course in which the student performs much as a graduate PA. PREREQ: PAS 420, 422, 424, 426, 430, 432, 434. Su

PAS 491 Independent Problems in PA Studies 4 credits. Students will select an area of special interest to pursue through independent study. May be repeated up to 8 credits. PREREQ: PERMISSION OF PROGRAM DIRECTOR. D

Total: 19 cr

Spring Semester

BIO 472 Clinical Physiology 2 cr
PAS 304 Psychosocial Aspects of Medicine 2 cr
PAS 311 Clinical Assessment II 2 cr
PAS 320 Clinical Therapeutics I for Physician Assistants 2 cr
PAS 402 Clinical Medicine I 6 cr
PAS 410 Topics in Surgery and Emergency Medicine 3 cr

TOTAL: 17 cr

Summer Semester

PAS 305 Clinical Nutrition 1 cr
PAS 306 Clinical Laboratory Science 2 cr
PAS 307 Interpretation of Electrocardiograms 1 cr
PAS 308 Clinical Skills Laboratory 2 cr
PAS 321 Clinical Therapeutics II 2 cr
PAS 412 Clinical Medicine II 6 cr
PAS 415 Topics in Pediatrics 2 cr

TOTAL: 16 cr

Fall Semester

PAS 420 Internal Medicine Rotation 4 cr
PAS 422 Outpatient Medicine Rotation 4 cr
PAS 424 Surgery Rotation 4 cr

TOTAL: 12 cr

Spring Semester

PAS 426 Obstetrics and Gynecology Rotation 4 cr
PAS 428 Pediatrics Rotation 4 cr
PAS 430 Emergency Medicine Rotation 4 cr

TOTAL: 12 cr

Summer Semester

PAS 432 Psychiatry Rotation 4 cr
PAS 434 Selected Clinical Rotation 4 cr
PAS 438 Primary Care Preceptorship 12 cr

TOTAL: 20 cr
Bachelor of Science in Radiography

The Bachelor of Science degree program in Radiography is a four-year curriculum. During the first two years the student takes general education, basic science, and business courses at the university. During the two professional years the student studies and practices the clinical application of radiography at the university’s energized laboratory and at affiliated hospitals. The graduate is eligible to write the national examination for registration (ARRT).

The radiographic science program is designed to develop the technical skills and knowledge necessary for the student to satisfactorily function in the role of a radiographer. Learning experiences enable the student to demonstrate competency in the technical aspect of the profession as well as the human relations aspect. The program further seeks to develop the students’ interests in the professional societies as well as the possibilities for continuing education.

The student, upon completion of the program, will be able to work as a radiographer in a hospital, clinic, or private office and effectively perform his/her duties with patients in a responsible, ethical, and professional manner. Because of the rapid growth of the medical field, there is an ever-increasing need for well-trained radiographers.

Courses Which Fulfill Both Major Requirements and General Education Goals

**Goal 3**
- MATH 253 Introduction to Statistics 3 cr

**Goal 4**
- BIOL 202* General Zoology 3 cr
  *BIOL 202 does not by itself complete Goal 4.

**Goal 5**
- PHYS 100 Essentials of Physics 4 cr

Other Required Courses in Liberal Arts
- BIOS 307 Radiobiology 3 cr
- BIOS g301 Anatomy and Physiology 4 cr
- BIOS g302 Anatomy and Physiology 4 cr
- BIOS 470 Cross-Sectional Anatomy 1 cr
- CHEM 101 Essentials of Chemistry 5 cr
  OR
- CHEM 111 General Chemistry I 5 cr
- PHYS 300 Medical Electronics 2 cr
- PHYS 321 Radiologic Physics 2 cr

**Business Core Requirements**
- ACCT 201 Principles of Accounting 3 cr
- CIS 120 Introduction to Computer Systems 3 cr
- HCA g484 Human Resource Management in Health Care Organizations 3 cr
  OR
- MGT g373 Personnel Management 3 cr

**Allied Health Core Requirements**
- HCA 110 Introduction to Allied Health Professions 2 cr
- HCA 210 Medical Terminology and Communication 2 cr
- HCA 350 Organizational Behavior in Health Care 3 cr
  OR
- MGT g312 Individual and Organizational Behavior 3 cr
- HCA g375 Public Health Law 3 cr

**Radiographic Science Core Requirements**
- R S 105 Introduction to Radiographic Science 1 cr
- R S 310 Radiographic Methods I 2 cr
- R S 311 Radiographic Methods II 2 cr
- R S 312 Radiographic Methods III 2 cr
- R S 320 Radiographic Processing 2 cr
- R S 325 Patient Care Principles in Radiography 3 cr
- R S 330 Radiographic Exposure 3 cr
- R S 340 Laboratory Practicum I 1 cr
- R S 341 Laboratory Practicum II 1 cr
- R S 342 Laboratory Practicum III 1 cr
- R S 375 Pediatric Radiography 1 cr
- R S 388 Radiation Protection 1 cr
- R S 389 Applied Radiography I 4 cr
- R S 390 Applied Radiography II 4 cr
- R S 410 Educational Methodology for the Health Professional 2 cr
- R S 420 Radiologic Facility Organization 1 cr
- R S 430 Radiologic Pathology 2 cr
- R S 441 Advanced Radiographic Methods I 1 cr
- R S 450 Alternate Imaging Modalities and Radiation Therapy 1 cr
- R S 460 Introduction to Radiographic Quality Assurance 2 cr
- R S 470 Advanced Radiographic Exposure 2 cr
- R S 488 Clinical Internship in Radiography 2 cr
- R S 489 Applied Radiography I 6 cr
- R S 490 Applied Radiography II 6 cr

**Associate of Science in Radiography**

The Associate of Science degree program is a three-year curriculum which consists of one pre-professional year, followed by two years in the program. The student studies and practices the clinical applications of radiography at the university’s energized laboratory and at affiliated hospitals. The graduate is eligible to write the national examination for registration (ARRT).

**Graduation Requirements**
- Allied Health Requirements 4 cr
- Business Requirement 3 cr
- General Education Requirements 8 cr
- Math and Science Requirements 22-24 cr
- Professional Requirements 50 cr

**Total: 87-89 cr**

**Allied Health Requirements**
- HCA 110 Introduction to Allied Health Professions 2 cr
- HCA 210 Medical Terminology and Communication 2 cr

**Business Requirement**
- CIS 120 Introduction to Computer Systems 3 cr

**General Education Requirements**
- ENGL 101 English Composition 3 cr
- COMM 101 Principles of Speech 2 cr
- Goal 12 3 cr

**Math and Science Requirements**
- BIOI 202 General Zoology 3 cr
- BIOS g301 Anatomy and Physiology 4 cr
- BIOS g302 Anatomy and Physiology 4 cr
- BIOS 307 Radiobiology 3 cr
- BIOS g470 Cross-Sectional Anatomy 1 cr
- MATH 123 College Algebra 3 cr
- PHYS 100 Essentials of Physics 4 cr
- PHYS 321 Radiologic Physics 2 cr

**Professional Requirements**
- Same as for B. S. degree 50 cr
  (except R S 410 Educational Methodology for the Health Professional, 2 cr.; and R S 420 Radiologic Facility Organization, 1 cr., not required)

**Admission**

Admission to the Radiographic Science Program is competitive. Students will be evaluated using grades in pre-professional/prerequisite courses, and overall...
grade point average. A minimum grade point average of 2.25 is required. Procedures for admission to the radiographic science program include:

1. Complete procedures for admission to the university.
2. Complete and return a radiographic science application form.
3. Complete the necessary prerequisite course work.
4. Submit three (3) original and recent letters of reference.
5. Submit transcripts of all college and/or university courses completed.

The above admission procedures must be completed and submitted to the Department of Radiographic Science prior to February 15, of the year the student is seeking admission. The first professional year begins during the summer session.

Academic Standards
A grade of “C” or better is required in all radiographic science, biology, physics, math, business, chemistry, and health care administration courses in the curriculum. A student who fails to achieve a minimum of a “C” grade in a course designated Radiographic Science (R S) will be dismissed from the program and prohibited from taking any further courses with the R S designation until the course(s) in question has/have been completed with (a) minimum grade(s) of “C.”

The student is required to reapply to the program, in writing, at least one (1) month prior to the first day of classes of the semester in which readmission is sought.

Additional details regarding readmission can be found on pages 1 and 55 of the 1997 Radiographic Science Student Handbook.

ISU Radiographic Science Program Policy for Transfer of Credit from Hospital-Based and Vocational-Technical Radiography Programs
The Idaho State University Radiographic Science Program will award up to 44 credits in radiography for programs completed at accredited hospital-based and/or accredited vocational-technical schools. To be eligible to receive credit, the student must:

1. be a currently registered radiographer (RTR).
2. have worked as a radiographer during the past three years (amount of time to remain proficient to be determined by evaluating committee).
3. submit evidence of experience and curriculum including:
   a. certificate of successful completion of registry.
   b. certified list of courses and descriptions of curriculum from accredited hospital-based and/or accredited vocational technical programs.
   c. copies of all college transcripts.
   d. certification of completion of continuing education courses. Proficiency examinations or regular enrollment will be required of students when evidence of proficiency is lacking or inadequate.

Radiographic Science Courses

R S 105 Introduction to Radiographic Science 1 credit. History of the profession, responsibilities of the technologist, professional development, radiation protection, areas of specialization. F, Su

R S 310 Radiographic Methods I 2 credits. Introduces the student to basic theory and principles of radiographic procedures of the abdomen and the chest. Emphasis is placed on radiographic examinations of visceral organs requiring the use of contrast media. Su

R S 311 Radiographic Methods II 2 credits. Continuation of 310 emphasizing theory and principles of radiographic examination of the extremities, shoulder girdle, and the pelvic girdle. F

R S 312 Radiographic Methods III 2 credits. Continuation of 311 emphasizing theory and principles of radiographic examinations of the vertebral column, cranial, and the facial bones. S

R S 320 Radiographic Processing 2 credits. Photographic technique including developing and processing radiographic film. Su

R S 325 Patient Care in Radiography 3 credits. Introduction to patient care principles and procedures utilized in radiography including vital signs, body mechanics, catheterization, sterile procedures, drug administration, isolation techniques and medical emergency procedures. F

R S 330 Radiographic Exposure 3 credits. Determination of radiographic exposure values with emphasis on radiographic quality and equipment used in the production of radiographs. F

R S 340 Laboratory Practicum I 1 credit. Designed to develop pre-clinical competency in routine hospital procedures and radiographic tasks, basic x-ray interpretation, patient management, communications, and manipulation of x-ray equipment. Su

R S 341 Laboratory Practicum II 1 credit. Designed to develop pre-clinical competency in routine hospital procedures and radiographic tasks, basic x-ray interpretation, patient management, communications, and manipulation of x-ray equipment. COREQ: R S 311, 389. F

R S 342 Laboratory Practicum III 1 credit. Designed to develop pre-clinical competency in routine hospital procedures and radiographic tasks, basic x-ray interpretation, patient management, communications, and manipulation of x-ray equipment. COREQ: R S 312, 390. S

R S 375 Pediatric Radiography 1 credit. Study of the theory and clinical application of pediatric radiography. S

R S 388 Radiation Protection 1 credit. Topics include: x-ray interaction with matter, quantities and units of radiation, biological effects of ionizing radiation, MPD, radiation detection instruments, methods to minimize radiation exposure to patients and personnel, and U.S. Government radiation control standards. S

R S 389 Applied Radiography I 4 credits. Clinical application of radiographic examinations of the abdomen and chest with special emphasis on examinations requiring contrast media. F

R S 390 Applied Radiography II 4 credits. Continuation of R S 389 with emphasis on radiographic examinations of the upper and lower extremities. S

R S 410 Educational Methodology for the Health Professional 2 credits. Educational methods employed in the allied health professions. Emphasis on objectives, course design, lesson planning, testing, teaching skills. Essentials of accreditation, continuing education requirements, new innovations in allied health education reviewed. S

R S 420 Radiologic Facility Organization 1 credit. Organization and operation of a radiology department. Emphasis on management, design, record systems, equipment, personnel and budgets. S

R S 430 Radiologic Pathology 2 credits. Study of the pathological processes of various diseases and disorders with emphasis on the demonstration of pathology on radiographs. F

R S 441 Advanced Radiographic Methods I 1 credit. Advanced methodology, theory and principles of radiographic procedures. Designed to develop proficiency in performance of specialized radiographic examinations. PREREQ: R S 312, 342. F

R S 450 Alternate Imaging Modalities and Radiation Therapy 1 credit. An introduction to nuclear medicine, computerized axial tomography, ultrasonography, and radiation therapy. F

R S 460 Introduction to Radiographic Quality Assurance 2 credits. Study and application of equipment maintenance procedures to assure consistency in the contrast, density, and sharpness of radiographic films. F
Department of Speech Pathology and Audiology

Chair and Professor: Sorensen
Professors: Bain, Longhurst, Schow, Smedley
Associate Professors: Kangas, Mercaldo, Seikel, Weston
Assistant Professors: Gridding
Clinical Instructors: Batté, Boysen, Brockett, Coe Smith, Duggan, Grunig, Hamilton, Kline, Loftin, Malepeai, Willer
Adjunct Faculty: Jenkins, Moses, Warren, Wesen
Affiliate Faculty: Bitton, Clough, Goodwin, Kerr, Maloff, McGee, Mill, Millbrandt, Olenick, Ross, Thomas, Whitaker, Wyckoff

The areas of speech-language pathology and audiology are concerned with basic communicative behavior. Included in these areas are studies of the systems underlying the normal communicative process (speech science, hearing science, phonetics, acoustics and anatomy and physiology); development of speech, hearing, and language functions; deviations from the normal communicative process (speech-language pathology and audiology); and assessment and management of deviation. The Department of Speech Pathology and Audiology offers a four-year program leading to the degree of Bachelor of Science in speech-language pathology and audiology. The Department also offers undergraduate coursework to fulfill the requirements for an elementary or secondary education component in the teacher education programs of the College of Education. A Master of Science degree is offered in Speech-Language Pathology, Audiology, or Education of the Hearing Impaired (EHI). (See the Graduate School section for admission and degree requirements.)

The combined bachelors’ and masters’ programs are designed to prepare students to meet the academic and clinical requirements for the Idaho Department of Education Certificate for Speech-Language Pathologist or Audiologist, state licensing for Audiologist, and the Certificate of Clinical Competence as issued by the American Speech-Language-Hearing Association (ASHA). In addition, all the academic requirements of the Council on the Education of the Deaf (CED) are available. The speech-language pathology and audiology programs are both accredited by the Education Standards Board (ESB) of the American Speech-Language-Hearing Association. The education of the hearing impaired graduate curriculum meets the requirements for training in EHI in the State of Idaho and through reciprocal agreement with most states. Undergraduate students who are interested in this area of study should contact the College of Education for further information about the EHI undergraduate component/minor.

The ISU Speech and Hearing Center, under the auspices of the department, serves children and adults with a variety of communication problems and/or disorders. Students work in supervised programs providing for a broad spectrum of speech and hearing disorders. Upper division and graduate students gain experience in evaluation, treatment, staffing, and counseling related to communicative disorders.

Opportunities for obtaining clinical experience in speech-language pathology and audiology are provided in the ISU Speech and Hearing Center, public schools, state institutions, hospitals, private practice, and other service facilities. Under supervision by clinical faculty, students can accumulate the necessary clinical hours required for state and ASHA certification. Clinical experience in diagnosis, habilitation, and rehabilitation is available in such areas as phonology, language, stuttering, voice, and speech-language problems associated with cerebral palsy, cleft palate, brain damage and mental retardation. Experience with people with hearing impairment is available in areas such as hearing loss identification, pure-tone testing, audiological assessment, hearing aid evaluation, auditory training, speech reading, and speech conservation and therapy for those with congenital or acquired hearing loss.

Services

Assessment and rehabilitation services as listed above are available at the Speech and Hearing Center for children and adults who have speech, language, and/or hearing problems. Special consideration is made for university students requesting and/or needing assistance. Services are provided by the clinical faculty and experienced students.

The Communication Preschool provides language management and readiness programs for preschool children with language delays. This preschool emphasizes the importance of differential diagnosis, parent training, staffing of cases, educational adjustment, and comprehensive habilitation programs to facilitate school placement.

Affiliate Programs

Public and private education programs, local and state public health units, institutions such as the Idaho and Utah Schools for the Deaf and the Blind, and vocational rehabilitation agencies participate in affiliate service and training.

Junior-Transfer Programs

The program is set up to facilitate fall junior-transfer students so they may complete the program within two years at Idaho State University. It takes January junior-transfer students two and one-half years to complete a bachelor’s degree.

Admission to Junior-level Classes

Prospective students are expected to have a cumulative GPA of 3.00 after completing
Bachelor of Science in Speech Pathology and Audiology

The following courses are required in addition to the university’s General Education Requirements:

**Required Departmental Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 205</td>
<td>Introduction to Communication Disorders</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA 300</td>
<td>Speech Science</td>
<td>4 cr</td>
</tr>
<tr>
<td>SPA 315</td>
<td>Clinical Processes: Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA 321</td>
<td>Clinical Phonology</td>
<td>4 cr</td>
</tr>
<tr>
<td>SPA 325</td>
<td>Phonologic Disorders</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA 327</td>
<td>Sign Language I</td>
<td>2 cr</td>
</tr>
<tr>
<td>SPA 330</td>
<td>Language Development</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA 335</td>
<td>Language Disorders</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA g341</td>
<td>Audiology I: Hearing Science and Audiometry</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA 345</td>
<td>Audiology II: Aural Rehabilitation</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA g400</td>
<td>Organic Speech Disorders</td>
<td>4 cr</td>
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<tr>
<td>SPA g405</td>
<td>Neurological Bases of Communication Disorders</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA 415</td>
<td>Clinical Practicum</td>
<td>4 cr</td>
</tr>
<tr>
<td>SPA g417</td>
<td>Multidisciplinary Evaluation Team</td>
<td>1 cr</td>
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<tr>
<td>SPA g420</td>
<td>Clinical Processes: Assessment</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPA g460</td>
<td>Audiology III: Educational Audiology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Other Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 107</td>
<td>Nature of Language</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>General Zoology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOL 202L</td>
<td>General Zoology Laboratory</td>
<td>1 cr</td>
</tr>
<tr>
<td>BIOS 301</td>
<td>Anatomy and Physiology</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOS 302</td>
<td>Anatomy and Physiology</td>
<td>4 cr</td>
</tr>
<tr>
<td>ENGL 307</td>
<td>Professional Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>HCA 110</td>
<td>Introduction to the Allied Health Professions</td>
<td>2 cr</td>
</tr>
<tr>
<td>MATH 253</td>
<td>Introduction to Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Intro to General</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 102</td>
<td>Intro to General</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>Child Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 330</td>
<td>Psychology of Adolescence</td>
<td>3 cr</td>
</tr>
<tr>
<td>PSYC 445</td>
<td>Psychology of Learning</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOC 248</td>
<td>Local and National Minorities</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Speech Pathology and Audiology Courses**

SPA 205 Introduction to Communication Disorders 3 credits. Survey of speech, hearing, and language disorders, including study of the development of speech. Observations, films and assigned readings serve as illustrations of the various communication problems. S

SPA 300 Speech Science 4 credits. Introduction to the anatomy and physiology of speech production. Topics include respiratory dynamics, laryngeal functions, articulatory dynamics, and the neurophysiology of speech. PREREQ: BIOS 301, 302 OR PERMISSION OF INSTRUCTOR. F

SPA 301 Speech Science: Laboratory 0 credits. Required laboratory portion of SPA 300. F

SPA g301 Developmental Psycholinguistics and Reading 3 credits. Oral language development in young children and its relationship to early reading. Classroom language problems of older elementary and secondary students and language intervention to improve reading and writing discussed. S, Su

SPA 315 Clinical Processes: Management 3 credits. Various therapeutic methods used in managing communication disorders. PREREQ: SPA 321, SPA 330, PSYCH 445 OR PERMISSION OF INSTRUCTOR. S

SPA 321 Clinical Phonology 4 credits. Basic concepts in applied phonetics and phonology, including speech acoustics. F

SPA 321L 0 credits. Required laboratory portion of SPA 321. F

SPA 325 Phonologic Disorders 3 credits. Background information leading toward the understanding of phonologic disorders. Information and clinical techniques on diagnosis and remediation of phonologic disorders. Helps prepare student for first clinical experiences. PREREQ: SPA 321 OR PERMISSION OF INSTRUCTOR. S

SPA 326 Deaf Studies 1 credit. Introduction to deafness; the culture and community of deaf individuals; language and communication issues; education and employment considerations in deafness. F, S

SPA 327 Sign Language I 2 credits. Beginning study of the various methods of communication used by severely hearing impaired children, with attention to SEE systems. F, S

SPA 328 Sign Language II 2 credits. Intermediate study of the various methods of communication used by severely hearing impaired children, with special attention to SEE systems. PREREQ: SPA 327 OR PERMISSION OF INSTRUCTOR. F, S


SPA 335 Language Disorders 3 credits. Study of children who are deviant language users. Intervention principles, including content and procedures of programming as they relate to language disorders. PREREQ: SPA 330 OR PERMISSION OF INSTRUCTOR. S

SPA 341 Audiology I: Hearing Science and Audiology 3 credits. Introduction to basic hearing science, sound measurement, audiometry, tympanometry, hearing disorders, public school screening, and methods of aural rehabilitation. Review of role of audiology in human services. F

SPA 345 Audiology II: Aural Rehabilitation 3 credits. Aural rehabilitation of the hearing impaired. Consideration of amplification, speech reading, auditory training, and other aspects of the process. PREREQ: SPA g341 OR PERMISSION OF INSTRUCTOR. S

SPA g400 Organic Speech Disorders 4 credits. Comprehensive review of organic speech disorders. Focus is on neurological disorders, voice, cleft palate and stuttering. Emphasis will be given to assessment and management of these disorders. PREREQ: SPA 300 OR PERMISSION OF INSTRUCTOR. S

SPA g405 Neurological Bases of Communication Disorders 3 credits. Fundamentals of neuroanatomy and physiology related to speech, language and hearing. Introduction to communication disorders related to neurological damage. PREREQ: SPA 300 OR PERMISSION OF INSTRUCTOR. S

SPA 415 Clinical Practicum 1-4 credits. Supervised experience in the diagnosing, staffing, programming, and counseling of cases with speech and language disorders. May be repeated up to 6 credits. PREREQ: SPA 315, 325, 335 AND PERMISSION OF CLINIC DIRECTOR. F, S


SPA g420 Clinical Processes: Assessment 3 credits. Diagnostic principles, procedures, tests and clinical examination in the evaluation of speech, language and hearing disorders. Covers norms, reliability and validity. PREREQ: PSYCH 445, SPA 315, AND STATISTICS, OR PERMISSION OF INSTRUCTOR. F

SPA g440 Special Topics Workshop 1-3 credits. Presentation of professionally related topics in workshop format. Meets for a minimum of 16 contact hours per credit with appropriate outside assignments, readings, or papers. May be repeated for up to 6 credits. Graded S/U. D

SPA g450 Speech Development: Hearing Impaired Students 3 credits. Anatomy and physiology of speech and hearing; speech disorders in children; developmental speech instructional strategies for classroom teachers serving hearing impaired students. PREREQ: SPA g301 OR PERMISSION OF INSTRUCTOR. F, Su

SPA g458 Teaching Language to the Hearing Impaired 3 credits. Students gain theoretical and practical knowledge in the evaluation and habilitation of language/communication problems in children and adolescents with severe hearing impairments. PREREQ: SPA g301 OR PERMISSION OF INSTRUCTOR. F

SPA g459 Teaching Academic Subjects to the Hearing Impaired 3 credits. Students gain theoretical and practical knowledge of how to teach academic subjects to children and adolescents with severe hearing impairments. PREREQ: PERMISSION OF INSTRUCTOR. F

SPA g460 Audiology III: Educational Audiology 3 credits. Management of the permanently hard-of-hearing child and adolescent in the regular classroom; evaluation and staffing; speech and language intervention; mainstreaming considerations; curriculum modifications; and personal/social consideration. PREREQ: SPA g345. F

SPA g482 Independent Study 1-4 credits. Study of problems selected by students and faculty. May be repeated up to 8 credits. D

SPA g491 Seminar 1-4 credits. Reading, preparation, and discussion of reports and projects in all areas of speech and hearing science, speech pathology and audiology. May be repeated up to 12 credits. D