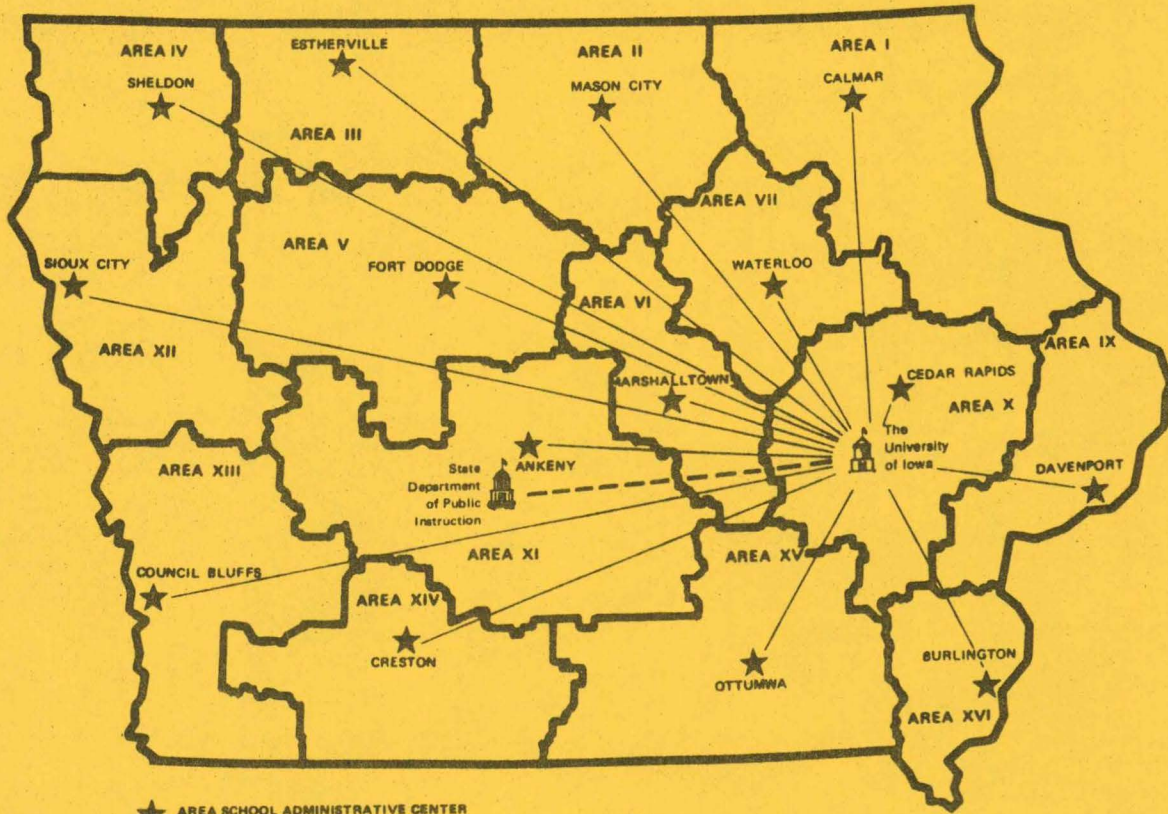


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PROGRAM IN HEALTH OCCUPATIONS EDUCATION

THE UNIVERSITY OF IOWA



★ AREA SCHOOL ADMINISTRATIVE CENTER

DEC 8 '76

STATE OF IOWA
DEPARTMENT OF PUBLIC INSTRUCTION

3-944

Program in Health Occupations Education
Division of Health Affairs
The University of Iowa
MARA Building
135 Melrose Avenue
Iowa City, Iowa 52240

in cooperation with

Area Schools and Career Education Branch
Iowa Department of Public Instruction

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November, 1972

PROGRAM IN HEALTH OCCUPATIONS EDUCATION
Division of Health Affairs
The University of Iowa

HEALTH OCCUPATIONS EDUCATION IN IOWA

DEFINITION

Health occupations education, an integral part of the total field of education, prepares health workers for employment in positions supportive to health professionals but not requiring a baccalaureate degree.

NEED

Adequate health care is no longer a privilege; it is now the right of every individual in this nation. Correlatively, the provision of this care is demanding more and different kinds of health care delivery systems and, in turn, is requiring greater numbers of health care personnel of all types and from all levels of preparation -- autonomous professionals, allied professionals, technicians, assistants and aides. As nationwide, health services that will assure adequate care for all the citizens of Iowa increasingly are including functions performed by qualified technicians, assistants and aides. Health occupations education prepares, and provides continuing education for, these health workers.

ADMINISTRATION OF PROGRAMS

Health occupations education programs are administered predominately in the public school system in cooperation with the Iowa Department of Public Instruction although some are offered in hospitals and a few by private schools. The majority of technical-assistant- and aide-level programs are administered in the State's fifteen area community colleges and vocational-technical institutes. Increasingly, high schools are implementing health occupations education programs which provide opportunities for students both to explore careers in the health field and, as appropriate, to become prepared at the aide level in selected health care fields.

ROLE OF THE UNIVERSITY OF IOWA

Among the 50 states, Iowa is unique in its organizational structure to serve health occupations education. Personnel of the University's Program in Health Occupations Education also serve as the professional staff for Health Occupations Education, Career Education Branch, Iowa Department of Public Instruction. This arrangement, existent since 1958, resulted from a request of that Department and continues through a contractual agreement between the two agencies. For these services, the University is reimbursed by the State Department of Public Instruction, utilizing state and federal vocational-technical monies. In each of the other 49 states, leadership in this field of education is provided by the state office of education with little or no ready access to the resources of an institution of higher education, whether or not that institution prepares autonomous and/or allied health professionals.

The University of Iowa has been, and continues to be, the sole educational agency which provides overall leadership in this field of education in Iowa. No health occupations education preparatory programs, per se, are offered on the University campus; rather, the University's Program in Health Occupations Education provides leadership for the total Iowa program in health occupations education through activities which include: (1) assisting personnel in the State's 15 area community colleges and vocational-technical institutes as they plan, implement, evaluate and revise their preparatory and continuing education programs in health occupations education; (2) assisting secondary school personnel in their development of health career orientation, exploratory, and aide-level programs; (3) abetting innovative and new approaches to health manpower education; (4) upgrading skills of both employed health occupations education teachers and employed health workers; and, (5) stimulating the collaboration of efforts among the various educational, professional, service and governmental groups interested in the education of health workers supportive to the health professionals. This state-wide leadership is provided through activities of the professional staff in four major areas: (1) consultant and advisory services, (2) teacher education, (3) research, and (4) curriculum and instructional materials development.

Great dividends have been derived from having the leadership for the vocational and technical levels of preparation for health workers located in The University of Iowa setting where resources of the Colleges of Medicine, Nursing, Dentistry, Pharmacy and Education are readily available; and, where the autonomous professional, allied professional, and vocational-technical levels of preparation for health workers can be correlated. The merits of this unique approach have been recognized not only in Iowa, but nationwide.

CURRENT HEALTH OCCUPATIONS EDUCATION PROGRAMS

Types

Iowa's 15 area community colleges and technical institutes presently offer a total of 61 vocational-technical level preparatory programs of one or two years in length. Among the 61, 12 different types of programs are represented. Identification of the types and locations of these programs, and a short description of each type, are included in this document.

In addition, among the 15 area schools, each is approved to offer short-term preparatory nurse aide-orderly programs when and as the need for these workers exists in the area, and most offer adult and continuing education courses for prepared health workers seeking retraining or upgrading of their skills. Several area schools have also established a pre-career program for the purpose of: (1) evaluating the interest, motivation, and abilities of disadvantaged individuals and, (2) as necessary, providing the basic education and services necessary to assist these individuals to become qualified for admission into an on-going preparatory program.

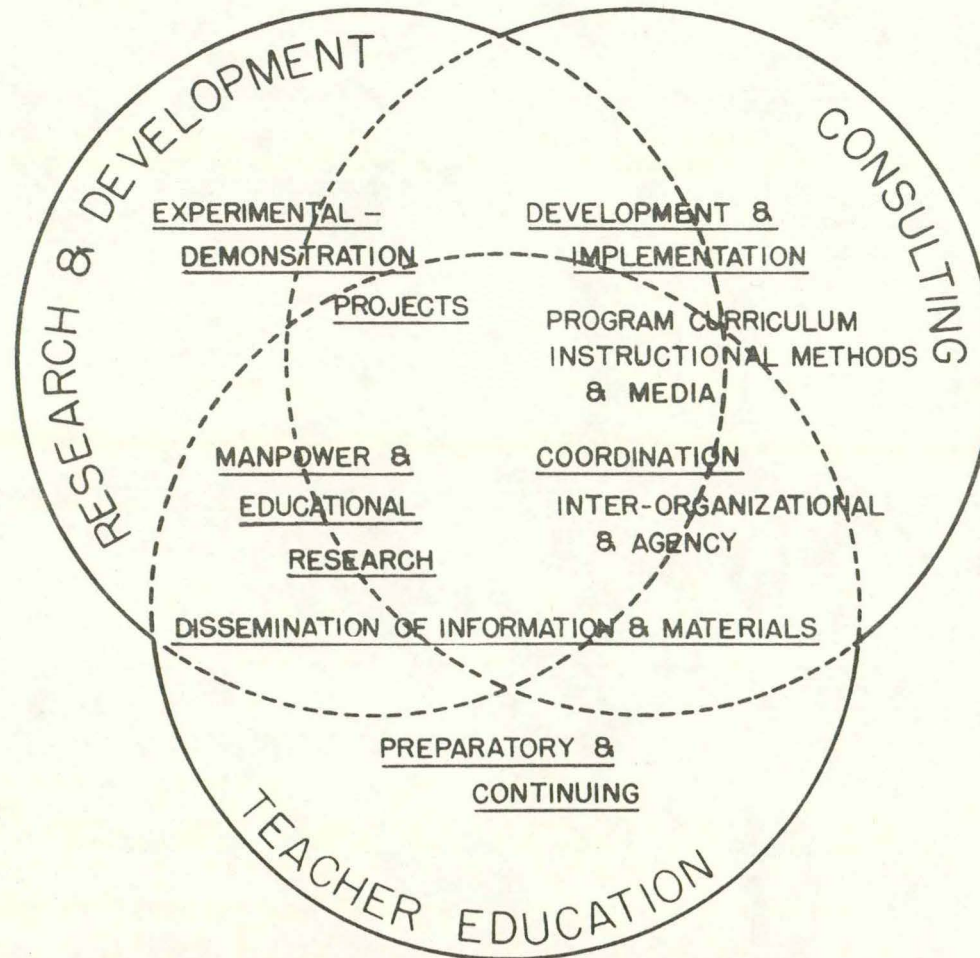
Enrollments

In the fall of 1972, 2,139 students (1,967 women and 172 men) are enrolled in the 61 preparatory programs. Enrollments the previous year totaled 2,019 (1,922 women and 97 men). During the 1971-72 fiscal year (July 1, 1971 - June 30, 1972), 1,437 enrolled in 99 short-term preparatory nurse aide-orderly programs, and 6,838 persons enrolled in the 237 adult and continuing education courses offered for employed health care workers. This is a marked increase over the previous year when the total enrollment in nurse aide-orderly programs was 1,208 and in 152 adult and continuing education courses, 2,271.

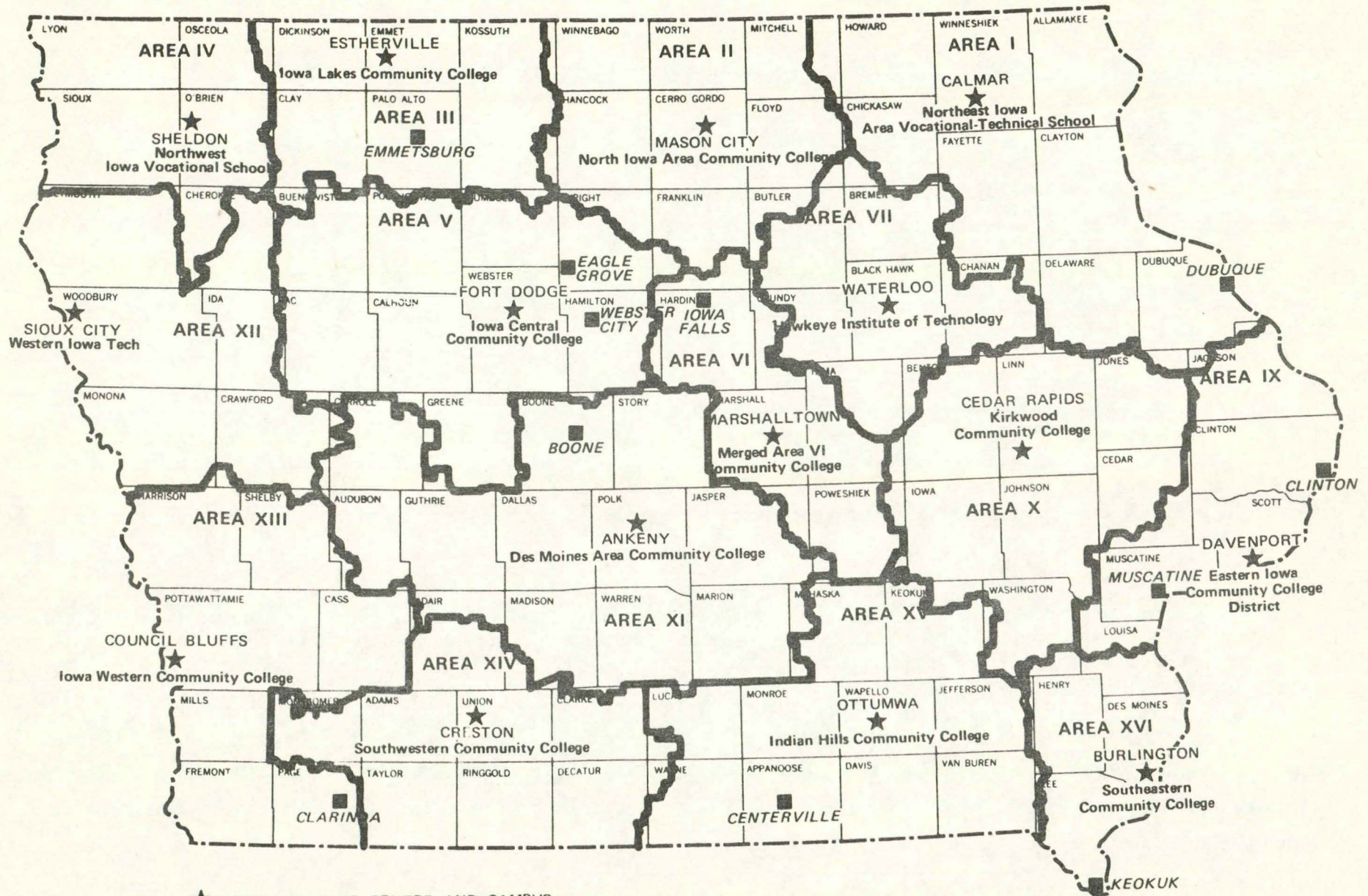
Number of Faculty

Totally, Iowa's 15 area community colleges and vocational-technical institutes employ 227 (175 full-time and 52 part-time) faculty members for their health occupations preparatory programs.

ACTIVITIES OF THE
PROGRAM IN HEALTH OCCUPATIONS EDUCATION
THE UNIVERSITY OF IOWA



MERGED AREA SCHOOLS



★ ADMINISTRATIVE CENTER AND CAMPUS

■ OTHER CAMPUS (AREA SCHOOLS WITH MORE THAN ONE MAJOR CAMPUS)

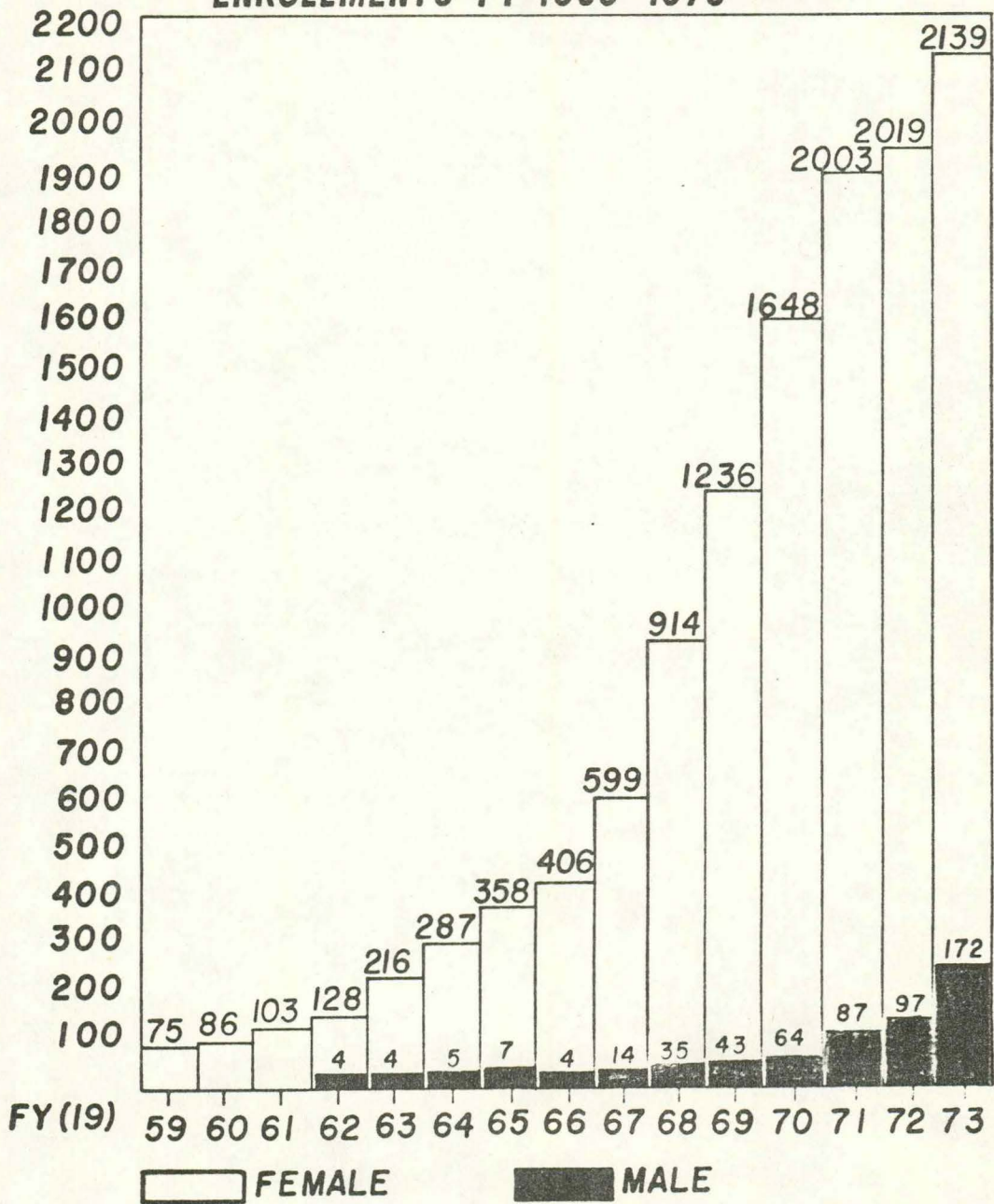
HEALTH OCCUPATIONS EDUCATION IN IOWA

NUMBER OF ONE AND TWO YEAR PREPARATORY PROGRAMS, BY TYPE- FY 1957- 1973

PRACTICAL NURSING	2	3	4	4	5	5	8	11	11	13	19	19	19	20	23	23	23
MEDICAL OFFICE ASSISTANT									1	1	1	5	5	5	5	5	6
MEDICAL LAB ASSISTANT										1	1	3	4	4	4	4	4
DENTAL ASSISTANT												4	6	6	7	7	7
ASSOCIATE DEG IN NURSING												2	2	5	8	9	12
OPERATING ROOM TECHNICIAN												1	3	3	3	3	3
DENTAL LAB. TECHNICIAN													1	1	1	1	1
ENVIRONMENTAL TECHNICIAN													1	1	1	1	1
OCCUPATIONAL THERAPY ASSIST.													1	1	1	1	1
ORTHOPAEDIC TECHNICIAN													1	1	1	1	1
LONG-TERM CARE FACILITIES ADMIN.															1	1	1
INHALATION THERAPY TECH.																	1
TOTAL NUMBER	2	3	4	4	5	5	8	11	12	15	21	34	43	47	55	56	61
FY(19)	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73

HEALTH OCCUPATIONS EDUCATION IN IOWA

ONE AND TWO YEAR PREPARATORY PROGRAMS ENROLLMENTS FY 1959-1973



LOCATION OF ONE- AND TWO-YEAR PREPARATORY
HEALTH OCCUPATIONS EDUCATION PROGRAMS
CURRENTLY OFFERED IN IOWA

PROGRAMS	AREA SCHOOL										ADMIN. CENTER	NUMBER			
	Associate Degree Nurse	X												Northeast Iowa Area One Vocational-Technical School	CALMAR
Dental Assistant													Dubuque		
Dental Laboratory Technician													Northern Iowa Area Community College	MASON CITY	II
Environmental Health Assistant													Iowa Lakes Community College	ESTHERVILLE	III
Inhalation Therapy Technician													Emmetsburg		
Long-Term Care Facility Admhn.													Northwest Iowa Vocational School	SHELDON	IV
Medical Office Assistant													Iowa Central Community College	FORT DODGE	V
Medical Laboratory Assistant													Merged Area VI Community College	MARSHALLTOWN	VI
Occupational Therapy Assistant													Hawkeye Institute of Technology	WATERLOO	VII
Operating Room Technician													Eastern Iowa Community College District	DAVENPORT	IX
Orthopaedic Physician's Assistant													Clinton		
Practical Nurse	X	X	X	X	X	X	X	X	X	X	X	X	Kirkwood Community College	CEDAR RAPIDS	X
TOTALS	2	1	3	2	0	4	2	3	3	2	9	7	Des Moines Area Community College	ANKENY	XI
													Boone		
													Carroll		
													Western Iowa Tech	SIOUX CITY	XII
													Cherokee		
													Iowa Western Community College	COUNCIL BLUFFS	XIII
													Harlan		
													Clarinda		
													Atlantic		
													Southwestern Community College	CRESTON	XIV
													Indian Hills Community College	OTTUMWA	XV
													Centerville		
													Southeastern Iowa Community College	BURLINGTON	XVI
													Mt. Pleasant		
													Keokuk		
													TOTALS		61

Notes: 1. Administrative Center of area schools in capital letters.
2. X indicates an existing program.

BRIEF DESCRIPTION OF EACH TYPE OF
ONE- AND TWO-YEAR PREPARATORY HEALTH OCCUPATIONS
PROGRAMS PRESENTLY OFFERED IN IOWA

1. Associate Degree Nurse (Associate Degree in Applied Science)

This two-year program prepares students to carry out nursing care measures and medically delegated techniques, using principles derived from the social, physical, and biological sciences. Classroom instruction is closely correlated and concurrent with selected learning experiences in hospitals and other health-care areas.

After successfully completing an approved program, upon passing a State Board Examination the graduate becomes a Registered Nurse (R.N.).

2. Dental Assistant

This one-year program offers classroom and laboratory activities correlated with clinical practice. The graduate is prepared to assist the dentist at the chair, perform secretarial duties and do those laboratory procedures which are done in the dental office.

Certification (C.D.A.) is granted following graduation from an approved educational program, passing qualifying examinations and completing a specified amount of work experience.

3. Dental Laboratory Technician (Associate Degree in Applied Science)

Graduates of this two-year program are skilled craftsmen who make dentures, crowns, bridges, and other dental and orthodontal appliances according to prescriptions provided by dentists. This member of the dental health team develops a high degree of skill in his chosen occupation through theoretical and laboratory studies which are well correlated throughout the program. Career opportunities are available in dental laboratories, individual dentist's office and in some hospitals.

Certification (C.D.T.) is gained through graduation from an approved program, passing an examination and completing a specified amount of satisfactory work experience.

4. Environmental Health Assistant

Following completion of this one-year program, the environmental health assistant is prepared to work with sanitary engineers, sanitarians and other public health officials in safeguarding the health and welfare of both urban and rural communities by inspecting housing conditions, milk, water, sewage disposal facilities, air, food, and other potential health hazards. The curriculum is composed of correlated classroom, laboratory and field experiences.

5. Inhalation Therapy Technician

Graduates of this two-year program function in a role primarily, but not limited to, cardio-vascular care in the form of oxygen administration, ventilatory support, blood gas analysis, chest-physiotherapy and pulmonary rehabilitation. This role also often encompasses other related therapeutic and diagnostic functions such as pulmonary function testing, electrocardiography and cardio-vascular monitoring. Graduates are eligible to take the written and oral registration examination offered by the American Registry of Inhalation Therapists.

6. Long-Term Care Administrator (Associate Degree in Applied Science)

This two-year program prepares graduates to function in the administration of long-term care facilities. Program content emphasizes special problems of the aged; the provision of health and social services; and the legal, financial, and personnel aspects of administration. Learnings include both theory and practicum.

7. Medical Office Assistant

This one-year program prepares the student to be employed in a private physician's office, clinic, hospital, or research laboratory. Through correlated classroom, laboratory and clinical experiences, the student learns to prepare patients for examination, perform routine laboratory tests and assist in office and medical record keeping activities.

Upon completion of an approved program and satisfactory work experience, the graduate is eligible to take the certification examination.

8. Medical Laboratory Assistant

This one-year program is designed to prepare qualified men and women to work in a medical laboratory under the supervision of a medical technologist or pathologist and/or other qualified physician. They perform routine laboratory procedures and tasks in the areas of bacteriology, blood banking, chemistry, parasitology, serology, and urinalysis.

Upon completion of an approved program, the student is eligible to take the certification examination (C.L.A.).

9. Occupational Therapy Assistant

This one-year program of classroom studies, laboratory experiences and clinical practice, prepares workers to give assistance to Registered Occupational Therapists in rehabilitative and therapeutic activities. The assistant becomes proficient in guiding and encouraging the patient in activities involving a variety of manual and creative areas for the attainment of specific treatment goals.

10. Operating Room Technician

Through this one-year program of classroom study, laboratory activities and clinical experience, the student learns to function under the direct supervision of the professional nurse or surgeon in the operating room. The activities of the operating room technician include preparation of surgical environment and serving as a "scrub" or "circulating" assistant during surgical procedures.

11. Orthopaedic Physician's Assistant (Associate Degree in Applied Science)

This two-year program prepares graduates to work with the orthopaedic surgeon in the emergency room, cast room, operating room, and other hospital areas as well as in clinics and private offices. Through correlated classroom, laboratory and supervised clinical experiences, the assistant is trained to prepare and maintain surgical equipment, assist in surgery, apply plaster casts and set up traction and suspension equipment.

12. Practical Nurse

This one-year program of concurrent classroom, laboratory, and clinical experiences prepares persons for employment in hospitals, nursing homes, doctors' offices and a variety of other health care facilities. The practical nurse gives nursing care to patients in situations relatively free of complexity and, in a close working relationship, assists registered nurses in giving nursing care to patients in more complex situations. Following successful completion of the program, graduates are eligible to write the licensure examination to become a Licensed Practical Nurse (L.P.N.).

SHORT-TERM PREPARATORY PROGRAM

Nurse Aide-Orderly

This four-week program is designed to prepare the worker to perform simple and routine nursing care procedures to assist the patient in meeting his basic physical needs. The program consists of formal classroom teaching correlated with supervised clinical experience.

ADULT AND CONTINUING EDUCATION COURSES

The adult and continuing education courses administered last year by Iowa's 15 area schools varied in length according to the breadth and depth of content in each curriculum, and included content in areas such as: intensive coronary care; pharmacology review and administration of medications; care of high-risk newborns; rehabilitation of stroke patients; nursing care of patients with burns, with urological problems, and with diabetes; emergency medical care; nursing home administration; head nurse management; aspects of aging; radiological monitoring; environmental problems; dental assisting; supervisory practices; and medical laboratory instrumentation.

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