

# CERTIFICATE IN HEALTH INFORMATION SYSTEMS

Undergraduate students in Computer Science Information Systems who have an interest in working in healthcare will be afforded the opportunity to acquire a certificate that will teach them computer and data system applications in the healthcare setting. Allied Health and other health-related majors who are already familiar with the healthcare setting will be provided with an opportunity to receive a greater depth and breadth of education in computer and information systems. This will better prepare the student to work with health information systems in the healthcare setting.

COURSE	TITLE	S.H.
<b>Required Core (Must take all of the following courses)</b>		
AHLT 3707	Clinical Informatics for the Healthcare Provider	3
AHLT 3711	Health Care Information Systems	3
AHLT 3745		3
CSIS 1590	Survey of Computer Science and Information Systems	3
INFO 2663	Information Technology Management	3
<b>Select one of the following courses</b>		<b>3</b>
AHLT 3717	Health Care Policy	
AHLT 5840	Comparative Health Systems	
<b>Select one of the following courses</b>		<b>3-4</b>
CSIS 1525	Survey of Modern Operating Systems	
CSIS 2605	Fundamentals of Programming and Problem- Solving 2	
CSIS 2610	Programming and Problem-Solving	
<b>Total Semester Hours</b>		<b>21-22</b>

## Gerontology

### GERO 1501 Introduction to Gerontology 3 s.h.

Basic introduction to the interdisciplinary study of aging. Includes social, psychological, economic, cultural, health, and policy issues. Discussion of normal vs. abnormal (disease-related) aspects of aging.

**Gen Ed:** Social Science.

### GERO 3703 Aging and Society 3 s.h.

An interdisciplinary introduction to studies in aging. Examines the impact of population aging and its effect on society at large. Also examines individual aging processes and social significance of aging. Listed also as SOC 3703.

**Prereq.:** SOC 1500 or GERO 1501.

**Gen Ed:** Social Science, Well Being, Social and Personal Awareness.

### GERO 3745 Sociology of Health, Illness, and Healthcare 3 s.h.

Social attitudes toward illness. Cultural and social factors in disease definition of illness, and organization of the health professions and health facilities. Listed also as SOC 3745.

**Prereq.:** SOC 1500, GERO 1501, or admission to NEOMED-YSU program.

**Gen Ed:** Well Being, Social and Personal Awareness.

### GERO 3755 Theories of Gerontology 3 s.h.

Review and critical analysis of current theories of the social aspects of aging and their use in research. Listed also as SOC 3755.

**Prereq.:** SOC 1500 or GERO 1501.

### GERO 3756 Aging and Ethnicity 3 s.h.

Aging in American subcultures, noting differences in status/role systems, demographic distributions, life styles, methods of dealing with the elderly, and related problems. Listed also as SOC 3756.

**Prereq.:** SOC 1500 or GERO 1501.

### GERO 3757 Aging and Social Policy 3 s.h.

Critical examination of social policies and social systems which affect aging and retirement. Listed also as SOC 3757 and POL 3757.

**Prereq.:** SOC 1500, GERO 1501, or POL 1560.

### GERO 3758 Long-Term Care 3 s.h.

Examines critical issues in long-term care systems, services, and programs. Impacts of social demographic and economic changes on long-term care needs, demands, and supplies. Contemporary trends and future outlooks of long-term care. Listed also as SOC 3758.

**Prereq.:** SOC 1500 or GERO 1501.

### GERO 3759 Physical Change and Aging 3 s.h.

Designed to provide knowledge about physical aspects of human aging and factors that affect physical aging. Students learn about physical changes that occur naturally with advancing age and changes associated with disease or disability (abnormal changes). Behavioral and inherent factors that influence physical aging are discussed with the goal to increase awareness of prevention strategies.

**Prereq.:** GERO 1501 or SOC 1500.

### GERO 3760 Death and Dying 3 s.h.

Introduction of the topics of death and dying and the process of, with the following objectives: to sensitize the student to the subject of death and dying, to aid the student in adjusting to the death of a significant other, to help individuals examine their own feelings and reactions to the death and grieving, to make students aware of the different cultural groups' death and bereavement, and to examine hospice and palliative care benefits. Cross-listed: SOC 3760.

**Prereq.:** GERO 1501 OR SOC 1500.

### GERO 3761 Elder Crimes - Elder Justice 3 s.h.

Issues in gerontology and aging that affect law enforcement and the criminal justice system.

**Prereq.:** GERO 1501 or SOC 1500 or CJFS 1500.

**Cross-listed:** CJFS 3761 and SOC 3761.

### GERO 3775 Dementia 3 s.h.

The understanding of the nature, causes, symptoms, and social consequences of dementia. Attention to the status of aging, caregiving, and to the status of those who suffer from dementia in contemporary society.

**Prereq.:** GERO 1501 or SOC 1500.

### GERO 3790 Aging in Cross-Cultural Perspective 3 s.h.

Examines the phenomenon of aging from cross-cultural perspectives with an emphasis on cultural evolution and its impact upon the status, roles and cultural values associated with aging and the aged. Listed also as SOC 3790 and ANTH 3790.

**Prereq.:** GERO 1501 or ANTH 1500, or SOC 1500.

### GERO 4801 Later Life Issues 3 s.h.

The course is designed as an advanced course in the issues of later life and long term care services and supports. Cross-Listed: SOC 4801.

**Prereq.:** GERO 3703 OR SOC 3703.

### GERO 4804 Family, Health, and Aging 3 s.h.

Examines family and health related aspects of aging. Positive and negative interactions among family members and caregivers, and their impact on mental and physical quality of life of the elderly. Listed also as SOC 4804.

**Prereq.:** GERO 3703 or SOC 3703.

### GERO 4821 Internship in Gerontology 3-15 s.h.

Application of gerontological knowledge in settings such as social agencies, government offices, hospitals, nursing homes, or industry. May be repeated up to 15 s.h., but only a maximum of 6 semester hours can be applied to the gerontology major.

**Prereq.:** Junior standing, 9 s.h. of Gerontology, and permission of chairperson.

**GERO 4850 Research Methods 3 s.h.**

An introduction to methods employed in social research. Attention is given to (1) the logic of scientific inquiry and the relationship between theory and methods; (2) the various qualitative and quantitative methods; (3) research design, data collection, organization, analysis, interpretation and application; (4) the social, cultural, political, and ethical context of social research; and (5) computer skills employed in data analysis. Listed also as ANTH 4850 or SOC 4850.

**Prereq.:** SOC 3701, ANTH 3701.

**GERO 4851 Capstone in Gerontology 3 s.h.**

A capstone experience for the interdisciplinary study of aging. Students will complete a major research project.

**Prereq.:** Senior status in Gerontology and SOC 4850.

**Gen Ed:** Capstone.

**GERO 4860 Senior Thesis 3 s.h.**

A capstone experience for the major in gerontology. Designing, implementing, and completing an empirical research project and paper on a topic approved by the thesis advisor.

**Prereq.:** senior status in GERO; GERO 4850 or SOC 4850.

**Cross-listed:** SOC 4860.