

# 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		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 3703H Honors 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 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.