

HEALTH INFORMATICS (BS)

Degree Requirements

Code	Title	Hours
General Education Requirements		
Select General Education Requirements (p. 1)		41-44
Major Requirements		
<i>Health Informatics Core</i>		
A. Complete the following:		
HI 300	Health Info Clinical Environme	3
HI 410	Health Informatics	3
HI 450	Health Data Secur/Compliance	3
HI 455	Hlth Data Mgt & Decision Supp	3
HI 460	Consumer Health Informatics	3
<i>Information Systems Environment</i>		
A. Complete the following:		
CIS 115	Beginning Programming	4
ISC 245	Info Systems in Organizations	3
ISC 272	Systems Architecture	3
ISC 285	Intermediate Programming	3
CIS 321	Data Comm and Networking	3
CIS 324	Database Design-Dev-Mgt	3
ISC 360	Info Sys Analysis and Design-W	3
EH 372	Technical Writing - W	3
ISC 462	IS Strategy and Policy	3
ISC 475	Info Systems Proj Management	3
CIS 496	CIS Internship	0
<i>Business Environment</i>		
A. Complete the following:		
ACC 211	Financial Accounting	3
CA 275	Decision Making - Small Groups	3
Select one of the following		3
CIS 140	Intro to Tech for Healthcare	
CIS 150	Intro to Computer Applications	
or CIS 010	Computer Proficiency Exam	
MGT 300	Management Theory and Practice	3
Statistics I		3
Statistics II		3
<i>Health Care Environment</i>		
A. Complete the following:		
BMD 110	Introduction to A & P I	4
BMD 111	Introduction to A & P II	4
EMS 210	Medical Terminology	3
EMS 200	Human Systems/Pathophysiology	3
EMS 401	Seminar in HP	3
Minor Requirements		
A minor is not required for this degree program. However, students who have completed all required coursework for the Health Informatics degree will also qualify for a minor in Information Systems.		0
Total Hours		122-125

General Education Requirements

Code	Title	Hours
Area I - Written Composition		
A. Complete the following:		
EH 101	English Composition I	3
B. Complete the following:		
EH 102	English Composition II	3
Area II - Humanities & Fine Arts		
A. Complete the following:		
CA 110	Public Speaking	3
B. Select one of the following: see footnote table below (p. 3) ¹		
EH 215	Brit Lit before 1785	
EH 216	Brit Lit after 1785	
EH 225	Am Lit before 1865	
EH 226	Am Lit after 1865	
EH 235	World Lit before 1650	
EH 236	World Lit after 1650	
C. Select one of the following:		3
ARH 100	Survey of Art	
ARH 103	Art History I	
ARH 123	Art History II	
ARS 101	Art Appreciation	
DRA 110	Introduction to Theatre	
MUL 101	Introduction to Music	
D. Select three hours from the following:		3
AFR 101	Intro to African Amer Studies	
ARH 100	Survey of Art	
ARH 103	Art History I	
ARH 123	Art History II	
ARH 203	Survey of Non-Western Art	
ARS 101	Art Appreciation	
CLA 110	Intro Anc Greek Roman Culture	
DRA 110	Introduction to Theatre	
EH 215	Brit Lit before 1785	
EH 216	Brit Lit after 1785	
EH 225	Am Lit before 1865	
EH 226	Am Lit after 1865	
EH 235	World Lit before 1650	
EH 236	World Lit after 1650	
LG 101	Introductory Latin I	
LG 102	Introductory Latin II	
LG 111	Introductory French I	
LG 112	Introductory French II	
LG 121	Introductory Chinese I	
LG 122	Introductory Chinese II	
LG 131	Introductory Spanish I	
LG 132	Introductory Spanish II	
LG 141	Intro Classical Greek I	
LG 142	Intro Classical Greek II	
LG 151	Introductory German I	
LG 152	Introductory German II	
LG 153	Accelerated Intro German	

LG 171	Introductory Russian I
LG 172	Introductory Russian II
LG 173	Accelerated Intro Russian
LG 201	Intermediate Latin I
LG 202	Intermediate Latin II
LG 211	Intermediate French I
LG 212	Intermediate French II
LG 213	Accelerated Inter French - H
LG 221	Intermediate Chinese I
LG 222	Intermediate Chinese II
LG 231	Intermediate Spanish I
LG 232	Intermediate Spanish II
LG 234	Inter Spanish Accel -H
LG 241	Interm Classical Greek I
LG 242	Interm Classical Greek II
LG 251	Intermediate German I
LG 252	Intermediate German II
LG 271	Intermediate Russian I
LG 272	Intermediate Russian II
LG 273	Intensive Second Year Russian
LGS 101	Introductory Japanese I
LGS 102	Introductory Japanese II
LGS 106	Introductory Arabic I
LGS 107	Introductory Arabic II
LGS 110	Intro American Sign Language I
LGS 111	Intro American Sign Lang II
LGS 171	Introductory Korean I
LGS 172	Introductory Korean II
LGS 201	Intermediate Japanese I
LGS 202	Intermediate Japanese II
LGS 206	Intermediate Arabic I
LGS 207	Intermediate Arabic II
LGS 210	Intermediate ASL I
LGS 211	Intermediate ASL II
MUL 101	Introduction to Music
PHL 110	Introduction to Philosophy
PHL 120	Critical Thinking
PHL 121	Introduction to Logic
PHL 131	Introduction to Ethics
PHL 231	Social Ethics
PHL 240	Western Philosophy: Classical
REL 100	Intro to the Study of Religion
REL 200	Old Testament/Hebrew Bible
REL 201	Survey of the New Testament

Area III – Natural Sciences & Mathematics

A. Select 3-4 hours from the following:	3-4
MA 112	Precalculus Algebra
MA 113	Precalculus Trigonometry
MA 115	Precal Algebra-Trigonometry
MA 120	Calculus and Its Applications
MA 125	Calculus I
MA 126	Calculus II

MA 227	Calculus III
MA 237	Linear Algebra I
MA 238	Differential Equations I
B. Select 8-10 hours from the following:	8-10
AN 121 & 121L	Biological Anthropology and Biological Anthropology Lab
BLY 101 & 101L	Life Science I and Life Science I Laboratory
or BLY 121 & 121L	General Biology I and General Biology I Lab
BLY 102 & 102L	Life Science II and Life Science II Lab
or BLY 122 & 122L	General Biology II and General Biology II Laboratory
CH 101 & 101L	Survey of Inorg and Org Chem and Survey Inorg-Org Chem Lab
CH 131 & 131L	General Chemistry I and General Chemistry I Lab
CH 132 & 132L	General Chemistry II and General Chemistry II Lab
GEO 101 & 101L	Environmental Geography and Environmental Geography Lab
GEO 102 & 102L	Earth and the Environment and Earth and the Environment Lab
GY 111 & 111L	Physical Geology and Physical Geology Lab
GY 112 & 112L	Earth History and Earth History Lab
MAS 134 & 134L	Ocean Science and Ocean Science Lab
PH 101 & 101L	Introduction to Astronomy and Introduction to Astronomy Lab
PH 104 & 104L	Concepts of Physics and Concepts of Physics Laboratory
PH 114 & 114L	Physics with Algebra-Trig I and Alg-Trig Based Physics I Lab
PH 115 & 115L	Physics with Algebra -Trig II and Alg-Trig Based Physics II Lab
PH 201 & 201L	Calculus-Based Physics I and Calculus-Based Physics I Lab
PH 202 & 202L	Calculus-Based Physics II and Calculus-Based Physics II Lab

Area IV – History, Social & Behavioral Sciences see footnote table below (p. 3) ¹

A. Select one of the following:	3
HY 101	HY of Western Civilization I
HY 102	HY of Western Civilization II
HY 135	US History to 1877
HY 136	US History since 1877
B. Select two of the following:	6
AN 100	Intro to Cultural Anthropology
AN 101	Intro Archaeology-Bio Anthro
CA 100	Intro to Communication
CA 211	Interpersonal Comm
CJ 105	Introduction to Criminal Justice

ECO 215	Prin of Microeconomics
ECO 216	Prin of Macroeconomics
GEO 114	People, Places, Environment
GEO 115	World Regional Geography
GS 101	Intro to Gender Studies
HY 101	HY of Western Civilization I
HY 102	HY of Western Civilization II
HY 135	US History to 1877
HY 136	US History since 1877
IS 100	Global Issues
IST 201	Seasons of Life
NAS 101	Intro Native American Studies
PSC 130	Intro to US Government
PSY 250	Life Span Development
SY 109	Introductory Sociology
SY 112	Social Problems

C. Complete the following:		
PSY 120	Introduction to Psychology	3

Total Hours 41-44

Footnote

¹ Students must complete a 6 credit hour sequence either in literature (Area II – EH 215 & EH 216, EH 225 & EH 226, or EH 235 & EH 236) or history (Area IV – HY 101 & HY 102 or HY 135 & HY 136).

Graduation Plan

(120 Total Hours)

Course	Title	Hours
First Year		
Fall		
EH 101	English Composition I	3
BLY 101	Life Science I ¹	3
BLY 101L	Life Science I Laboratory ¹	1
HI 300	Health Info Clinical Environme	3
MA 112	Precalculus Algebra	3
CIS 150	Intro to Computer Applications	3
Hours		16
Spring		
EH 102	English Composition II	3
Natural Science	Area III ²	3
Natural Sci Lab	Area III ²	1
History	Area IV ²	3
HI 410	Health Informatics	3
ISC 245	Info Systems in Organizations	3
Hours		16
Second Year		
Fall		
BUS 245	Data Analytics I (Area III) ^{1,2}	3
Literature	Area II ²	3
CIS 115	Beginning Programming	4
CA 110	Public Speaking	3
BMD 110	Introduction to A & P I	4
Hours		17
Spring		
BUS 255	Data Analytics II (Area III) ^{1,2}	3

Art, Drama, or Music	Area II ²	3
ISC 285	Intermediate Programming	3
CIS 324	Database Design-Dev-Mgt	3
BMD 111	Introduction to A & P II	4
Hours		16

Third Year		
Fall		
EMS 210	Medical Terminology	3
MGT 300	Management Theory and Practice	3
ACC 211	Financial Accounting	3
ISC 272	Systems Architecture	3
EH 372	Technical Writing - W ¹	3
Hours		15

Spring		
PSY 120	Introduction to Psychology (Area IV) ²	3
Social Science elective	Area IV ²	3
HI 450	Health Data Secur/Compliance	3
CIS 321	Data Comm and Networking	3
CIS 496	CIS Internship	0
Hours		12

Fourth Year		
Fall		
HI 455	Hlth Data Mgt & Decision Supp	3
ISC 360	Info Sys Analysis and Design-W	3
ISC 462	IS Strategy and Policy	3
EMS 401	Seminar in HP	3
Social Science elective	Area IV ²	3
Hours		15

Spring		
HI 460	Consumer Health Informatics	3
CA 275	Decision Making - Small Groups	3
EMS 200	Human Systems/Pathophysiology	3
ISC 475	Info Systems Proj Management	3
Fine Arts/Humanities elective	Area II ²	3
Hours		15

Total Hours 122

¹ Recommended Course

² See General Education Requirements