

INFORMATION SYSTEMS (BS)

Degree Requirements

Code	Title	Hours
General Education Requirements		
Select General Education Requirements (p. 1)		53-56
Major Requirements		
<i>Information Systems Core</i>		
A. Complete the following:		
CIS 115	Beginning Programming	4
CIS 300	Information Tech in Society	1
CIS 321	Data Comm and Networking	3
CIS 324	Database Design-Dev-Mgt	3
ISC 245	Info Systems in Organizations	3
ISC 272	Systems Architecture	3
ISC 285	Intermediate Programming	3
ISC 360	Info Sys Analysis and Design-W	3
ISC 361	Database for Info Systems	3
ISC 462	IS Strategy and Policy	3
ISC 475	Info Systems Proj Management	3
<i>Capstone</i>		
A. Complete the following:		
CIS 497	Senior Capstone Experience-W	3
or CIS 499	CIS Senior Honors Project - H	
B. Complete the following:		
CIS 498	CIS Senior Seminar	0
<i>Information Systems Environment</i>		
A. Complete the following:		
ACC 211	Financial Accounting	3
ECO 215	Prin of Microeconomics	3
MGT 300	Management Theory and Practice	3
B. Select 200-499 approved electives from: ACC, ECO, FIN, MGT, MKT		6
<i>Information Systems Electives</i>		
A. Select 12 hours of approved electives from the following:		12
Advanced Application Development:		
ISC 472	Advanced Data Management (see footnote table below (p. 1)) ¹	
ITE 474	Human Computer Interface (see footnote table below (p. 1)) ¹	
ITE 490	Special Topics (see footnote table below (p. 1)) ¹	
Health Informatics Core:		
HI 300	Health Info Clinical Environme	
HI 410	Health Informatics	
HI 450	Health Data Secur/Compliance	
HI 455	Hlth Data Mgt & Decision Supp	
ITE Web:		
ITE 375	Publishing for the WWW	
ITE 380	Multimedia Production	
ITE 453	Web Site Management	
ITE 482	Adv Web Development	
ITE Networking:		

ITE 382	Network Administration	
ITE 384	Network Infrastructure Systems	
ITE 476	Network Security Management	
ITE 484	Advanced Network Management	
ITE Digital Forensics:		
CJ 223	Intro to Forensic Science	
ITE 372	Advanced Operating Systems	
ITE 373	File Sys for Digital Forensics	
ITE 473	Digital Forensic Analysis	
Minor Requirements		
A minor is not required for this degree program		0
Total Hours		115-118

Footnote

¹ Recommended Course

General Education Requirements

Code	Title	Hours
Area I - Written Composition		
A. Complete the following:		
EH 101	English Composition I	3
B. Select one of the following:		
EH 102	English Composition II	3
or EH 105	Honors Composition - H	
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		3
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	Inter Classical Greek I
LG 242	Inter 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 120	Calculus and Its Applications (see footnote table below (p. 3)) ²
MA 125	Calculus I
MA 126	Calculus II
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 three of the following:		9
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 120	Introduction to Psychology	
PSY 250	Life Span Development	
SY 109	Introductory Sociology	
SY 112	Social Problems	

Area V

A. Complete the following:		
BUS 245	Data Analytics I (see footnote table below (p. 3)) ²	3
	or ST 210 Stat Reason and Application	
B. Complete the following:		
BUS 255	Data Analytics II (see footnote table below (p. 3)) ²	3
	or ST 340 Design-Analysis of Experiments	
C. Complete the following:		
CA 275	Decision Making - Small Groups	3
D. Complete the following:		
EH 372	Technical Writing - W (see footnote table below (p. 3)) ²	3
	or EH 373 Writing in Professions - W	

Total Hours	53-56
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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).

² Recommended Course

Additional Information

Courses in the Major Requirements must be completed with a minimum grade of “C”.

Graduation Plan

(120 Total Hours)

Course	Title	Hours
First Year		
Fall		
EH 101	English Composition I	3
CA 110	Public Speaking	3
MA 120	Calculus and Its Applications	3
ISC 245	Info Systems in Organizations	3
CIS 101	Freshman Seminar CIS	2
Hours		14
Spring		
EH 102	English Composition II	3
CA 275	Decision Making - Small Groups	3
ACC 211	Financial Accounting	3
CIS 115	Beginning Programming	4
Social Science 1	Social Science 1	3
Hours		16
Second Year		
Fall		
ISC 285	Intermediate Programming	3
ISC 272	Systems Architecture	3
ECO 215	Prin of Microeconomics	3
Statistics 1	Statistics 1	3
Natural Science Elective	Natural Science Elective	4
Hours		16
Spring		
CIS 324	Database Design-Dev-Mgt	3
CIS 321	Data Comm and Networking	3
ISC 360	Info Sys Analysis and Design-W	3
Statistics 2	Statistics 2	3
Natural Science Elective	Natural Science Elective	4
Hours		16
Third Year		
Fall		
ISC 361	Database for Info Systems	3
CIS 300	Information Tech in Society	1
Information Systems Elective 1	Information Systems Elective 1	3
MGT 300	Management Theory and Practice	3
EH 372	Technical Writing - W	3
History	History	3
Hours		16
Spring		
ISC 475	Info Systems Proj Management	3
Information Systems Elective 2	Information Systems Elective 2	3
Social Science 2	Social Science 2	3
Art/Drama/Music	Art/Drama/Music	3
Approved General Elective	Approved General Elective	3
Hours		15
Fourth Year		
Fall		
ISC 462	IS Strategy and Policy	3
IS Elective 3	IS Elective 3	3
Fine & Perf Arts Elective	Fine & Perf Arts Elective	3

4 Information Systems (BS)

Literature	Literature	3
Business Elective 1	Business Elective 1	3
Hours		15
Spring		
CIS 497	Senior Capstone Experience-W	3
CIS 498	CIS Senior Seminar	0
IS Elective 4	IS Elective 4	3
Business Elective 2	Business Elective 2	3
Approved General Elective	Approved General Elective	3
Hours		12
Total Hours		120