

INFORMATION TECHNOLOGY (BS)

Degree Requirements

Code	Title	Hours
General Education Requirements		
Select General Education Requirements (p. 1)		53-56
Major Requirements		
<i>Information Technology 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
CIS 497	Senior Capstone Experience-W	3
CIS 498	CIS Senior Seminar	0
ITE 271	Info Techn in Organizations	3
ITE 272	Systems Architecture	3
ITE 285	Intermediate Programming	3
ITE 370	Adv Application Development	3
ITE 474	Human Computer Interface	3
ITE 475	IT Project Management	3
ITE 480	Needs Assess-Tech Eval - W	3
ITE 485	ITE Senior Demo Project	3
<i>ITE Electives</i>		
A. Complete 21 credit hours in one of the following Focus Tracks: see 21 footnote table below (p. 1) ¹		
Web Publishing Concentration		
A. Complete the following:		
ITE 375	Publishing for the WWW	
ITE 380	Multimedia Production	
ITE 453	Web Site Management	
ITE 482	Adv Web Development	
B. Nine hours of approved electives		
Networking Concentration		
A. Complete the following:		
ITE 382	Network Administration	
ITE 384	Network Infrastructure Systems	
ITE 476	Network Security Management	
ITE 484	Advanced Network Management	
B. Nine hours of approved electives		
Digital Forensics Concentration		
A. Complete the following:		
CJ 223	Intro to Forensic Science	
ITE 372	Advanced Operating Systems	
ITE 373	File Sys for Digital Forensics	
ITE 473	Digital Forensic Analysis	
B. Nine hours of approved electives		
Minor Requirements		

A minor is not required for this degree program	0
Total Hours	112-115

Footnote

¹ Students complete one of the following Focus Tracks consisting of twelve (12) hours of specified Focus Track courses and nine (9) hours of approved Information Technology support electives.

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:		
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:		
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 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. Select one of the following:	3	
BUS 245	Data Analytics I (see footnote table below (p. 3)) ²	
ST 210	Stat Reason and Application	
ST 315	Applied Probability-Statistics	
B. Select one of the following:	3	
BUS 255	Data Analytics II (see footnote table below (p. 3)) ²	
ST 310	Stat Research Techniques	
ST 335	Applied Regression Analysis	
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	3
or EH 373	Writing in Professions - W	3

Total Hours 53-56

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
ITE 271	Info Techn in Organizations	3
History	Area IV, B ¹	3
Hours		15
Spring		
EH 102	English Composition II	3
CA 275	Decision Making - Small Groups	3
CIS 115	Beginning Programming	4
Natural Sci Elec. 1	Natural Science Elective 1	4
Approved Gen Elect	Approved General Elective	1
Hours		15
Second Year		
Fall		
ITE 285	Intermediate Programming	3
ITE 272	Systems Architecture	3
CIS 324	Database Design-Dev-Mgt	3
Statistics I	Statistics I	3
Natural Sci Elect 2	Natural Science Elective 2	4
Hours		16
Spring		
CIS 321	Data Comm and Networking	3
ITE 370	Adv Application Development	3
EH 372	Technical Writing - W	3
Statistics II	Statistics II	3
Social Science I	Social Science I	3
Hours		15
Third Year		
Fall		
CIS 300	Information Tech in Society	1
Focus Track 1	Focus Track 1	3
Focus Track 2	Focus Track 2	3
Art/Drama/Music	Art/Drama/Music Course	3
ITE 480	Needs Assess-Tech Eval - W	3
Literature	Literature	3
Hours		16
Spring		
ITE 474	Human Computer Interface	3
ITE 475	IT Project Management	3
Focus Track 3	Focus Track 3	3
Focus Track 4	Focus Track 4	3
Social Science 2	Social Science 2	3
Hours		15
Fourth Year		
Fall		
Focus Track Support Elective	Focus Track Support Elective	3
Focus Track Support Elective	Focus Track Support Elective	3
Lit/Fine & Perf Art Elective	Lit/Fine & Perf Art Elective	3
Social Science 3	Social Science 3	3
Approved Gen Elective	Approved General Elective	3
Hours		15
Spring		
Focus Track Support Elective	Focus Track Support Elective	3
ITE 485	ITE Senior Demo Project	3
CIS 497	Senior Capstone Experience-W	3

4 Information Technology (BS)

CIS 498	CIS Senior Seminar	0
Approved Gen Elec	Approved General Elective	4
Hours		13
Total Hours		120

¹ See General Education Requirements