

LIBERTY UNIVERSITY. ONLINE

Bachelor of Science in Information Technology Data Networking and Security Cognate 2014-2015 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2014 through summer 2015. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations or cognates. Please refer to the list of approved general education electives at www.luonline.com/generaleducation before enrolling in *core competency requirements* and *skills & knowledge* electives.

CORE COMPETENCY REQUIREMENTS (36 hours)

Course		Hrs	Sem	Grade
<u>Communication (6 hours)</u>				
	Communications Elective	3	_____	_____
ENGL 101	Composition & Rhetoric ¹	3	_____	_____
<u>Math, Science & Technology (9 hours)</u>				
INFT 101	Instructional Tech. for Online Learning	3	_____	_____
MATH 201	Introduction to Probability & Statistics ²	3	_____	_____
	Natural Science Elective	3	_____	_____
<u>Information Literacy (6 hours)</u>				
ENGL 102	Composition & Literature	3	_____	_____
	History Elective	3	_____	_____
<u>Critical Thinking (6 hours)</u>				
	Humanities Elective	3	_____	_____
PHIL 201	Philosophy & Contemporary Ideas	3	_____	_____
<u>Biblical Worldview (9 hours)</u>				
APOL 104	Contemporary Worldviews	3	_____	_____
BIBL 104	Survey of Biblical Literature	3	_____	_____
THEO 104	Introduction to Christian Thought	3	_____	_____

SKILLS & KNOWLEDGE (9 hrs)

BUSI 201	Intermediate Business Computer Apps. ³	3	_____	_____
MATH 121	College Algebra ²	3	_____	_____
ECON 214	Principles of Macroeconomics	3	_____	_____

MAJOR (54 hours)

Course		Hrs	Sem	Grade
<u>Core (39 hours)</u>				
BMIS 200	Enterprise Business Applications & Comm.	3	_____	_____
BMIS 212	Object-Oriented Programming	3	_____	_____
BMIS 310	Web Architecture & Development	3	_____	_____
BMIS 312	Advanced Object-Oriented Programming	3	_____	_____
BMIS 320	IS Hardware & Software	3	_____	_____
BMIS 325	Database Management Systems	3	_____	_____
BMIS 330	Business Data Communication Systems	3	_____	_____
BMIS 340	Studies in Information Security	3	_____	_____
BMIS 375	Introduction to Human-Computer Interaction	3	_____	_____
BUSI 390	Business Common Professional Components	3	_____	_____
CSIS 352	System Administration	3	_____	_____
CSIS 354	Integrative Programming & Technologies	3	_____	_____
CSIS 465	Enterprise Systems & Integration	3	_____	_____
<u>Data Network. & Security Cognate (15 hours)</u>				
BMIS 331	Networks	3	_____	_____
BMIS 335	Network Security	3	_____	_____
BMIS 341	Information Security Planning	3	_____	_____
BMIS 342	Cyber Security	3	_____	_____
or BMIS 499	Internship			
BMIS 430	Advanced Networking & Comm. Systems	3	_____	_____

ELECTIVES (21 hrs)

_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____

Graduation Requirements

120 total hours
 30 hours of upper-level courses
 50% (27 hours) of major taken through LU
 30 hours must be completed through LU (Online and/or Residential)
 2.0 grade point average
 Grades of "C" or higher for all courses in major
 Submission of Graduation Application at beginning of final semester

Notes

¹ENGL 100 (minimum grade of C) is a prerequisite for ENGL 101
²MATH 110⁴ (minimum grade of C) or equivalent is a prerequisite for MATH 121 & 201
³INFT 110 is a prerequisite for BUSI 201
⁴MATH 100⁵ (minimum grade of C) is a prerequisite for MATH 110
⁵A score of 13 on the Math Assessment or CLST 103 is a prerequisite for MATH 100

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

<u>First Semester</u>		<u>Second Semester</u>	
BIBL 104	3	BUSI 201	3
ENGL 101	3	ENGL 102	3
INFT 101	3	Natural Science Elective	3
Elective ¹ [MATH 110]	3	THEO 104	3
Elective ² [INFT 110]	<u>3</u>	BMIS 200	<u>3</u>
Total	15	Total	15

SOPHOMORE YEAR

APOL 104	3	Communications Elective	3
MATH 121	3	MATH 201	3
BMIS 330	3	BMIS 212	3
BMIS 340	3	BMIS 310	3
Elective	<u>3</u>	Elective	<u>3</u>
Total	15	Total	15

JUNIOR YEAR

History Elective	3	Humanities Elective	3
PHIL 201	3	BMIS 331	3
BMIS 320	3	BMIS 335	3
BMIS 325	3	CSIS 352	3
Elective	<u>3</u>	Elective	<u>3</u>
Total	15	Total	15

SENIOR YEAR

ECON 214	3	BMIS 342 or 499	3
BMIS 312	3	BMIS 375	3
BMIS 341	3	BMIS 430	3
CSIS 354	3	BUSI 390	3
Elective	<u>3</u>	CSIS 465	<u>3</u>
Total	15	Total	15

Notes

¹MATH 110 or equivalent is a prerequisite for MATH 121 & 201

²INFT 110 or equivalent is a prerequisite for BUSI 201

Suggested course sequencing for Liberty University Online students may change depending on transfer credit. Please contact an Admissions Specialist or Academic Advisor for assistance at (800) 424-9595.