2012 - 2013 ACADEMIC YEAR
SCHOOL OF
INFORMATION TECHNOLOGY

- **AAS in**
  INFORMATION TECHNOLOGY
- **AS in**
  INFORMATION TECHNOLOGY

- **BBA in**
  INFORMATION TECHNOLOGY
- **BS in**
  INFORMATION TECHNOLOGY

For MINORS available to BBA/BS students majoring in INFORMATION TECHNOLOGY

See the "Minors for Bachelor Students" Section

2012 - 2013 ACADEMIC YEAR
CURRICULUM REVIEW WORKSHEET
AAS IN INFORMATION TECHNOLOGY
(For Students Starting to Major BEFORE Fall 2012)

COURSES	***CREDITS***
MAJOR REQUIREMENTS (31 credits)	
Information Technology Requirements (25 credits)	
1. IT 100 Introduction to Information Technology	**3**
2. IT 118 Integrated Business Applications	**3**
3. IT 120 Computer Hardware	**3**
4. IT 125 Computer Software	**4**
5. IT 160 Programming Logic	**3**
6. IT 170 Cisco I	**3**
7 IT 290 Internship/ or IT 292 Seminar in Information Technologies Studies	**3**
8. IT 295 System Analysis and Design	**3**
Major Area Electives (6 credits)	
9.	**3**
10.	**3**
GENERAL EDUCATION REQUIREMENTS (21 credits)	
1. MA XXX Mathematics	**3**
2. EN 109 Expository Writing	**3**
3. EN 110 Composition and Literature (Humanities)	**3**
4. EN 205 Business Writing	**3**
5. LA 120 Speech Communications	**3**
6. LA XXX Liberal Arts Elective or Science	**3**
7. LA XXX Liberal Arts Elective or Social Science	**3**
OTHER REQUIREMENTS (3 Credits):	
1. MG 101 Introduction to Business	**3**
OPEN ELECTIVES (6 credits)	
1.	**3**
2.	**3**
TOTAL CREDITS: (Must Equal at least 61 credits and at least 20 courses)	

2012 - 2013 ACADEMIC YEAR
RECOMMENDED SEQUENCE
AAS IN INFORMATION TECHNOLOGY
(For Students Starting to Major BEFORE Fall 2012)

SEMESTER 1

COURSE #	NAME	Prerequisites	CREDITS
IT 100	Introduction to Information Technology	None	3
MG 101	Introduction to Business	None	3
LA xxx	Liberal Arts Elective		3
EN 109	Expository Writing	Placement or EN 068 or EN070	3
LA 120	Speech Communication	None	3
		Total	**15**

SEMESTER 2

COURSE #	NAME	Prerequisites	CREDITS
IT 118	Integrated Business Applications	IT 100 or IT 103	3
IT 120	Computer Hardware	IT 100 or IT 103	3
IT 170	CISCO I	IT 100 or IT 103	3
EN 110	Composition and Literature	EN 109	3
MA xxx	Math		3
		Total	**30**

SEMESTER 3

COURSE #	NAME	Prerequisites	CREDITS
IT 125	Computer Software	IT 100 or IT 103	4
IT 160	Programming Logic	IT 100 or IT 103/Advisement Notes	3
OPEN	Open Elective		3
LA xxx	Liberal Arts Elective		3
EN 205	Business Writing	EN 109 / Advisement Notes	3
		Total	**46**

SEMESTER 4

COURSE #	NAME	Prerequisites	CREDITS
IT 290 or IT 292*	Internship **or** Seminar in Information Technology Studies	Sophomore Standing *Approval by the Dean of IT	3
IT 295	Systems Analysis and Design	IT 170/Sophomore Standing	3
IT xxx	Computer Elective		3
IT xxx	Computer Elective		3
OPEN	Open Elective		3
		Total	**61**

2012 - 2013 ACADEMIC YEAR
CURRICULUM REVIEW WORKSHEET
AS IN INFORMATION TECHNOLOGY
(For Students Starting to Major IN Fall 2012 and Later)

COURSES	*CREDITS*
MAJOR REQUIREMENTS (28 credits)	
Information Technology Requirements (22 credits)	
1. IT100 Introduction to Information Technology	**3**
2. IT118 Integrated Business Applications	**3**
3. IT120 Computer Hardware	**3**
4. IT125 Computer Software	**4**
5. IT160 Programming Logic	**3**
6. IT170 Cisco I	**3**
7. IT290 Internship/ or IT292 Seminar in Information Technologies Studies	**3**
Major Area Electives (6 credits)	
8.	**3**
9.	**3**
LIBERAL ARTS REQUIRED and ELECTIVES (33 credits)	
General Education Requirements (24 credits)	
1. MA XXX Mathematics	**3**
2. EN109 Expository Writing	**3**
3. EN110 Composition and Literature	**3**
4. EN205 Business Writing	**3**
5. LA120 Speech Communications or LA122 Fundamentals of Communication	**3**
6. LA XXX Liberal Arts Elective or Science	**3**
7. LA XXX Liberal Arts Elective or Social Science	**3**
8. LA XXX Liberal Arts Elective	**3**
MAJOR-RELATED LIBERAL ARTS COURSE (3 credits):	
1. IT295 System Analysis and Design	**3**
Liberal Arts Electives (6 credits)	
1.	**3**
2.	**3**
TOTAL CREDITS: (Must Equal at least 61 credits and at least 20 courses)	

2012 - 2013 ACADEMIC YEAR RECOMMENDED SEQUENCE AS IN INFORMATION TECHNOLOGY (For Students Starting the Major IN Fall 2012 and Later)

SEMESTER 1

COURSE #	NAME	Prerequisites	CREDITS
IT 100	Introduction to Information Technology	None	3
IT 118	Integrated Business Applications	Co-requisite of IT 100	3
LA xxx	Liberal Arts Elective		3
EN 109	Expository Writing	Placement or EN 068 or EN070	3
LA 120/ LA 122	Speech Communications or Fundamentals of Communication	None	3
		Total	**15**

SEMESTER 2

COURSE #	NAME	Prerequisites	CREDITS
IT 120	Computer Hardware	IT 100 or IT 103	3
IT 170	CISCO I	IT 100 or IT 103	3
EN 110	Composition and Literature	EN 109	3
MA xxx	Math		3
LA xxx	Liberal Arts Elective		3
		Total	**30**

SEMESTER 3

COURSE #	NAME	Prerequisites	CREDITS
IT 125	Computer Software	IT 100 or IT 103	4
IT 160	Programming Logic	IT 100 or IT 103/Advisement Notes	3
IT xxx	IT Elective		3
EN 205	Business Writing	EN 109 / Advisement Notes	3
LA xxx	Liberal Arts Elective		3
		Total	**46**

SEMESTER 4

COURSE #	NAME	Prerequisites	CREDITS
IT 290 or IT 292*	Internship **or** Seminar in Information Technology Studies	Sophomore Standing *Approval by the Dean of IT	3
IT 295	Systems Analysis and Design	IT 170/Sophomore Standing	3
IT xxx	IT Elective		3
LA xxx	Liberal Arts Elective		3
LA xxx	Liberal Arts Elective		3
		Total	**61**

2012 - 2013 ACADEMIC YEAR
CURRICULUM REVIEW WORKSHEET
BBA IN INFORMATION TECHNOLOGY
(For Students Starting the Major BEFORE Fall 2012)

COURSES	CREDITS	COURSES	CREDITS
MAJOR REQUIREMENTS (72 CREDITS)		**OTHER REQUIREMENTS (51 CREDITS)**	
Information Technology Core (48 credits)		***General Education (30 credits)***	
1. IT 100 Intro to Information Technology or IT 103 Intro to Information Processing	**3**	1. EN 109 Expository Writing	**3**
2. IT 120 Computer Hardware	**3**	2. EN 110 Composition and Literature	**3**
3. IT 125 Computer Software	**4**	3. EN 205 Business Writing	**3**
4. IT 160 Programming Logic	**3**	4. EN XXX English Elective	**3**
5. IT 170 CISCO I	**3**	5. LA 120 Speech Communications	**3**
6. IT 171 CISCO II	**4**	6.	**3**
7. IT 290 or IT 292 or IT 390 or IT 492 Internship	**3**	7.	**3**
8. IT 295 Systems Analysis and Design	**3**	8.	**3**
9. IT 265 Visual Basic	**3**	9. MA 140 College Algebra	**3**
10. IT 320 Operating Systems	**3**	10. MA 145 Statistics I or MA 242 Calculus I	**3**
11. IT 330 Database Management Systems	**3**		
12. IT 372 Network Security	**4**		
13. IT 376 Wireless Technology	**3**	***Open Electives (21 credits)***	
14. IT 396 Management Information Systems	**3**	1.	**3**
15. IT 494 IT Project Management	**3**	2.	**3**
		3.	**3**
Computer Electives (9 credits)		4.	**3**
1.	**3**	5.	**3**
2.	**3**	6.	**3**
3	**3**	7.	**3**
Capstone Course (3 credits)			
1. IT 495 Senior Seminar	**3**		
Business Electives (12 credits)			
1	**3**		
2.	**3**		
3.	**3**		
4.	**3**		
TOTAL MAJOR AREA CREDITS TAKEN:		**TOTAL OTHER CREDITS TAKEN:**	
(TOTAL CREDITS MUST EQUAL72)		**(TOTAL MUST EQUAL 51)**	
		TOTAL CREDITS MUST EQUAL 123	

2012 - 2013 ACADEMIC YEAR
RECOMMENDED SEQUENCE
BBA IN INFORMATION TECHNOLOGY
(For Students Starting the Major BEFORE Fall 2012)

SEMESTER 1

COURSE #	NAME	Prerequisites	CREDITS
IT 100	Introduction to Information Technology	None	3
MG 101	Introduction to Business	None	3
LA XXX	Liberal Arts Elective		3
EN 109	Expository Writing	Placement or EN 068 or EN070	3
LA 120	Speech Communication	None	3
		Total	**15**

SEMESTER 2

COURSE #	NAME	Prerequisites	CREDITS
IT 118	Integrated Business Applications	IT 100 or IT 103	3
IT 120	Computer Hardware	IT 100 or IT 103	3
IT 170	CISCO I	IT 100 or IT 103	3
EN 110	Composition and Literature	EN 109	3
MA XXX	Math		3
		Total	**30**

SEMESTER 3

COURSE #	NAME	Prerequisites	CREDITS
IT 125	Computer Software	IT 100 or IT 103	4
IT 160	Programming Logic	IT 100 or IT 103/Advisement Notes	3
IT 171	CISCO II	IT 170	4
LAXXX or MA XXX	Liberal Arts Elective or Math		3
EN 205	Business Writing	EN 109/Advisement Notes	3
		Total	**47**

SEMESTER 4

COURSE #	NAME	Prerequisites	CREDITS
IT 130	Introduction to Database	IT 100 or IT 103	3
IT 290 or IT 292* IT 390 or IT 492*	Internship Seminar in Information Technology Studies Internship Seminar Research Seminar in Information Technology	Sophomore Standing *Approval of the Dean of IT Junior Standing *Approval of the Dean of IT	3
IT 295	Systems Analysis and Design	IT 170 / Sophomore Standing	3
MG XXX	Business Elective		3
IT XXX	Computer Elective		3
		Total	**62**

2012 - 2013 ACADEMIC YEAR
RECOMMENDED SEQUENCE
BBA IN INFORMATION TECHNOLOGY
(For Students Starting the Major BEFORE Fall 2012)

SEMESTER 5

COURSE #	NAME	Prerequisites	CREDITS
IT 265	Visual Basic	IT 160 / Advisement Notes	3
IT 330	Database Management Systems	IT 130 / Advisement Notes	3
IT XXX	Computer Elective		3
MG XXX	Business Elective		3
EN XXX	English Elective		3
		Total	**77**

SEMESTER 6

COURSE #	NAME	Prerequisites	CREDITS
IT 376	Wireless Technology	IT 171 or IT 275 / Advisement Notes	3
IT 396	Management Information Systems	IT 295	3
MG XXX	Business Elective		3
LA XXX	Liberal Arts Elective		3
XXX	Open Elective		3
		Total	**92**

SEMESTER 7

COURSE #	NAME	Prerequisites	CREDITS
IT 320	Operating Systems	IT 125	3
IT 372	Network Security	IT 170	4
IT 494	IT Project Management	IT 295	3
XXX	Open Elective		3
LA XXX	Liberal Arts Elective		3
		Total	**108**

SEMESTER 8

COURSE #	NAME	Prerequisites	CREDITS
IT 495	Senior Seminar	Senior Standing, Last Semester of BBA / Advisement Notes	3
XXX	Open Elective		3
XXX	Open Elective		3
XXX	Open Elective		3
XXX	Open Elective		3
		Total	**123**

*****Open Electives should be used for course in the technology area you would like to concentrate, such as: Database, Design, Security, or Networking.

2012 - 2013 ACADEMIC YEAR
CURRICULUM REVIEW WORKSHEET
BS IN INFORMATION TECHNOLOGY
(For Students Starting the Major IN Fall 2012 and Later)

COURSES	CREDITS	COURSES	CREDITS
MAJOR REQUIREMENTS (60 CREDITS)		**LIBERAL ARTS REQUIRED and ELECTIVE COURSES (63 CREDITS)**	
Information Technology Core (39 credits)		***Liberal Arts Courses (30 credits)***	
1. IT100 Intro to Information Technology	**3**	1. EN109 Expository Writing	**3**
2. IT120 Computer Hardware	**3**	2. EN110 Composition and Literature	**3**
3. IT125 Computer Software	**4**	3. EN205 Business Writing	**3**
4. IT160 Programming Logic	**3**	4. EN305 Advanced Business Writing	**3**
5. IT170 CISCO I	**3**	5. LA120 Speech Communications or LA122 Fundamentals of Communication	**3**
6. IT171 CISCO II	**4**	6. MA140 College Algebra	**3**
7. IT265 Visual Basic	**3**	7. MA145 Statistics I or MA242 Calculus I	**3**
8. IT290/IT390 Internship	**3**	8.	**3**
9. IT320 Operating Systems	**3**	9.	**3**
10. IT372 Network Security	**4**	10.	**3**
11. IT376 Wireless Technology	**3**		
12. IT495 Senior Seminar	**3**		
Major Area and Open Electives or Minor (21 credits)		***Major Related Liberal Arts Courses (15 credits)***	
1.	**3**	1. IT295 Systems Analysis and Design	**3**
2.	**3**	2. IT396 Management Information Systems	**3**
3.	**3**	3. IT330 Database Management Systems	**3**
4.	**3**	4. IT494 IT Project Management	**3**
5.	**3**	5. IT385 Emerging Technologies	**3**
6.	**3**		
7.	**3**	***Liberal Arts Electives (18 credits)****	
		1. Some suggested courses below.	**3**
		2. Some suggested courses below.	**3**
		3. Some suggested courses below.	**3**
		4. Some suggested courses below.	**3**
		5. Some suggested courses below.	**3**
		6. Some suggested courses below.	**3**
		* IT380 Social and Professional Issues in IT; IT386 Fundamentals of Human-Computer Interaction; ENXXX Technical Documentation, CJ 160 Cyber Crime; LA205 Advanced Speech; LA101 Psychology; LA102 Sociology; SC126 Ecology and Environmental Studies (See attached additional course list)	
TOTAL MAJOR AREA CREDITS TAKEN:		**TOTAL OTHER CREDITS TAKEN:**	
(TOTAL CREDITS MUST EQUAL 60)		**(TOTAL MUST EQUAL 63)**	
		TOTAL CREDITS MUST EQUAL 123	

2012 - 2013 ACADEMIC YEAR
RECOMMENDED SEQUENCE
BS IN INFORMATION TECHNOLOGY
(For Students Starting the Major IN Fall 2012 and Later)

SEMESTER 1

COURSE #	NAME	Prerequisites	CREDITS
IT 100	Introduction to Information Technology	None	3
IT 118	Integrated Business Applications	Co-requisite of IT 100 for IT Majors or IT 103 for Non-IT Majors	3
EN 109	Expository Writing	Placement or EN 068 or EN070	3
LA 120 / LA 122	Speech Communication or Fundamentals of Communication	None	3
LA XXX	Liberal Arts Elective		3
		Total	**15**

SEMESTER 2

COURSE #	NAME	Prerequisites	CREDITS
IT 120	Computer Hardware	IT 100 or IT 103	3
IT 170	CISCO I	IT 100 or IT 103	3
EN 110	Composition and Literature	EN 109	3
MA XXX	Math		3
LA XXX	Liberal Arts Elective		3
		Total	**30**

SEMESTER 3

COURSE #	NAME	Prerequisites	CREDITS
IT 125	Computer Software	IT 100 or IT 103	4
IT 160	Programming Logic	IT 100 or IT 103/Advisement Notes	3
IT 171	CISCO II	IT 170	4
MA XXX	Math		3
EN 205	Business Writing	EN 109/Advisement Notes	3
		Total	**47**

SEMESTER 4

COURSE #	NAME	Prerequisites	CREDITS
IT 290 or IT 292* IT 390 or IT 492*	Internship Seminar in Information Technology Studies Internship Seminar Research Seminar in Information Technology	Sophomore Standing *Approval of the Dean of IT Junior Standing *Approval of the Dean of IT	3
IT 295	Systems Analysis and Design	IT 170 / Sophomore Standing	3
IT XXX	IT Elective (IT 130 Suggested Elective)	IT 100 or IT 103	3
LA XXX	Liberal Arts Elective		3
LA XXX	Liberal Arts Elective		3
		Total	**62**

2012 - 2013 ACADEMIC YEAR
RECOMMENDED SEQUENCE
BS IN INFORMATION TECHNOLOGY
(For Students Starting the Major IN Fall 2012 and Later)

SEMESTER 5

COURSE #	NAME	Prerequisites	CREDITS
IT 265	Visual Basic	IT 160 / Advisement Notes	3
IT 330	Database Management Systems	IT 130 / Advisement Notes	3
IT XXX	IT Elective		3
IT XXX	IT Elective		3
EN 305	Advanced Business Writing		3
		Total	**77**

SEMESTER 6

COURSE #	NAME	Prerequisites	CREDITS
IT 372	Network Security	IT 170	4
IT 396	Management Information Systems	IT 295	3
IT XXX	IT Elective		3
IT XXX	IT Elective		3
LA XXX	Liberal Arts Elective		3
		Total	**93**

SEMESTER 7

COURSE #	NAME	Prerequisites	CREDITS
IT 320	Operating Systems	IT 125	3
IT 376	Wireless Technology	IT 171 or IT 275 / Advisement Notes	3
IT 494	IT Project Management	IT 295	3
IT XXX	IT Elective		3
LA XXX	Liberal Arts Elective		3
		Total	**108**

SEMESTER 8

COURSE #	NAME	Prerequisites	CREDITS
IT 495	Senior Seminar	Senior Standing, Last Semester of BBA / Advisement Notes	3
IT 385	Emerging Technologies		3
LA XXX	Liberal Arts Elective		3
LA XXX	Liberal Arts Elective		3
LA XXX	Liberal Arts Elective		3
		Total	**123**

*****Open Electives should be used for course in the technology area you would like to concentrate, such as: Database, Design, Security, or Networking.

School of Information Technology

Master Course List of Non-LA and LA Courses as of June 2012

New Course Number	Course Name	Non LA	LA	Prerequisites
IT-100	Introduction to Information Technology		x	None
IT-103	Introduction to Information Processing	x		None
IT-105	Business Applications Essentials	x		None
IT-108	Techniques in Publication		x	IT-100 or IT-103
IT-115	Electronic Spreadsheet	x		IT-100 or IT-103
IT-118	Integrated Business Applications	x		Co-requisites with IT100; IT-103
IT-120	Computer Hardware	x		IT-100 or IT-103
IT-125	Computer Software		x	IT-100 or IT-103
IT-130	Database	x		IT-100 or IT-103
IT-140	Game Industry Essentials		x	IT-100 or IT-103
IT-142	Principles of Game Design	x		IT-140
IT-150	Web Design Technology	x		IT-100 or IT-103
IT-156	Multimedia Authoring	x		IT-100 or IT-103
IT-158	Web Applications	x		IT-100 or IT-103
IT-160	Programming Logic		x	IT-100 or IT-103
IT-170	Cisco I: Cisco Networking Basics	x		IT-100 or IT-103
IT-171	Cisco II: Cisco Basic Routing	x		IT-170
IT-215	Advanced Spreadsheet	x		IT-115
IT-225	Unix/Linux	x		IT-100 or IT-103
IT-242	Game Development Fundamentals	x		IT-142
IT-250	Advanced Web Design	x		IT-150
IT-255	Advanced Multimedia	x		IT-156
IT-257	Advanced Design Technology	x		IT-150, IT-156
IT-260	Advanced Programming		x	IT-160
IT-265	Visual Basic	x		IT-160
IT-270	Cisco III: Cisco Switching	x		IT-171
IT-271	Cisco IV: Cisco WAN Technologies	x		IT-270
IT-275	Networking in a Windows Environment	x		IT-170
IT-278	Computer Network +	x		IT-170
IT-279	End User Support		x	IT-170
IT-290	Internship	x		Sophomore Standing
IT-291	Internship	x		IT-290
IT-292	Seminar in Information Technology Studies	x		Sophomore Standing and approval by Dean of IT
IT-295	System Analysis & Design		x	Sophomore standing and IT-170
IT-320	Operating Systems		x	IT-125
IT-330	Database Management Systems		x	IT-130
IT-360	JAVA	x		IT-260
IT-365	Advanced Visual Basic	x		IT-265
IT-366	Visual C# NET	x		IT-260, IT-265
IT-368	Web Scripting and Development	x		IT-160, IT-225

CONTINUED

School of Information Technology
Master Course List of Non-LA and LA Courses as of June 2012

New Course Number	Course Name	Non LA	LA	Prerequisites
IT-370	Telecommunications		x	IT-170
IT-372	Network Security		x	IT-170
IT-375	Active Directory	x		IT-275, MA-140
IT-376	Wireless Technology	x		IT-171 or IT-275
IT-380	Social and Professional Issues in IT		x	Junior Standing
IT-385	Emerging Technologies		x	Junior Standing
IT-386	Fundamentals of Human-Computer Interaction		x	IT-150, IT-160 and Junior Standing
IT-387	Ethical Hacking		x	IT-320, IT-372 and Junior Standing
IT-388	Information System Threats, Attacks and Defenses		x	IT-372 and Junior Standing
IT-390	Internship Seminar	x		Junior Standing
IT-391	Internship Seminar	x		IT-390
IT-395	Corporate Internship in Information Technology	x		Approval by Dean of IT
IT-396	Management Information Systems		x	IT-295
IT-420	Computer Architecture	x		IT-160, IT-320, MA-142
IT-430	Advanced Database Management Systems		x	IT-330
IT-470	Operating Systems Security		x	IT-320, IT-372
IT-472	Information Security		x	IT-372
IT-475	Network Infrastructure	x		IT-275, MA-140
IT-477	Network and Computer Forensics		x	IT-372
IT-492	Research Seminar in Information Technology	x		Junior Standing and approval by Dean of IT
IT-494	IT Project Management		x	IT-295
IT-495	Senior Seminar	x		Senior Standing and taken in last semester of BBA. Strongly Recommended: LA-122/LA-120