B.A. MATHEMATICS (Minor Required) 8/30/2012
2012 FOUR YEAR CURRICULUM GUIDE
DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE

Year 1	Fall Semester			Year 1	Spring Semester	
Course #	**Title**	**Cr**		**Course #**	**Title**	**Cr**
MATH 205	The Calculus I (fa only) (Core 1)	5		MATH 206	The Calculus II (sp only)	5
AOS 101	Accent on Success	1		ENG 102	Composition II (Core 5)	3
COM 101	Human Communication (Core 2)	3		CORE/GPS*	Institutional Requirement (Core 6)	3
ENG 101	Composition I (Core 3)	3		HS/FCS 180	Lifetime Wellness (Core 7)	2
CORE/GPS*	Institutional Requirement (Core 4)	3		CORE	Institutional Requirement (Core 8)	3
	TOTAL	**15**			**TOTAL**	**16**

Year 2	Fall Semester			Year 2	Spring Semester	
Course #	**Title**	**Cr**		**Course #**	**Title**	**Cr**
MATH 223	Discrete Mathematics I (fa only)	3		MATH 224	Discrete Mathematics II (sp only)	3
MATH 305	The Calculus III (fa only)	4		MATH 307	Linear Algebra (sp only)	3
CORE/GPS*	Institutional Requirement (Core 9)	3		CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 10)	3		CORE	Institutional Requirement (Core 12)	3
MINOR	Minor Requirement (1)	3		MINOR	Minor Requirement (2)	3
	TOTAL	**16**			**TOTAL**	**15**

Year 3	Fall Semester			Year 3	Spring Semester	
Course #	**Title**	**Cr**		**Course #**	**Title**	**Cr**
MATH 417	Intro to Analysis (fa odd) or Math 415 Intro to Modern Algebra (fa even)	3		ELECTIVE	Math Elective (2)	3
ELECTIVE	Math Elective (1)	3		CORE	Institutional Requirement (Core 15)	3
CORE	Institutional Requirement (Core 13)	3		CORE	Institutional Requirement (Core 16)	3
CORE	Institutional Requirement (Core 14)	3		MINOR	Minor Requirement (4)	3
MINOR	Minor Requirement (3)	3		ELECTIVE	General Elective	3
	TOTAL	**15**			**TOTAL**	**15**

Year 4	Fall Semester			Year 4	Spring Semester	
Course #	**Title**	**Cr**		**Course #**	**Title**	**Cr**
MATH 415	Intro to Modern Algebra (fa even) *or* MATH 417 Intro to Analysis (fa odd)	3		MATH 450	Seminar	1
MATH 450	Seminar	1		ELECTIVE	Math Elective (3)	3
CORE	Institutional Requirement (Core 17)	3		CORE	Institutional Requirement (Core 18)	3
ELECTIVE	General Elective	3		ELECTIVE	General Elective	3
ELECTIVE	General Elective	3		MINOR	Minor Requirement (6)	3
MINOR	Minor Requirement (5)	3				
	TOTAL	**16**			**TOTAL**	**13**

121 hours

**The Global Competency Requirement offers three tracks to completion. Students must complete one track. Three GPS courses are included in this guide, but students completing the requirement with fewer courses, or with study abroad, can substitute other elective courses to complete their degree studies. Students may take as many as 4 courses to fulfill the Global Competency Requirement. See http://www.ashland.edu/students/academics/core-curriculum/gps for details. Students taking language courses in the Modern Languages track are advised to start those courses in Year 1. The Global Studies or Study Abroad tracks can be taken Year 2 or later. In any case, discuss your options early with your faculty advisor or the professional advisor.*

This curriculum guide includes 12 hours of general electives, 18 hours towards a minor, and 9 hours of required mathematics electives.