		MATHEMATICS M	<b>IAJOR</b>				
		HEIDELBERG UNIVI	ERSITY				
Planning Guide for Transfer Students with an earned ASSOCIATE OF ARTS or ASSOCIATE OF SCIENCE Degree							
MATHEMATICS MAJOR REQUIREMENTS	Hours	TRANSFER CREDIT	OAN	HU 2-YEAR GUIDE	<u>Hours</u>	HU 2-YEAR GUIDE	<u>Hours</u>
32 hours in MTH courses numbered 222 or above, including				Use when beginning in the fall of an even-numbere	d year	Use when beginning in the fall of an odd-numbe	red year
MTH 222 Calculus I	3	All HU general education requirements are fulfilled with a complet	ted AA	Semester 1		Semester 1	
MTH 223 Calculus II	3	or AS degree from a regionally accredited state-assisted institution	on of	MTH 307 Calculus III	3	MTH 307 Calculus III	3
MTH 307 Calculus III	3	higher education in Ohio		MTH 310 Numerical Analysis (Over-ride for CPS201	3	MTH 302 Ordinary Differential Equations	3
MTH 308 Calculus IV	3			prerequisite will be granted as needed)	3	^ MTH 390 Mathematical Communication Skills	1
MTH 390 Mathematical Communication Skills (JWO)	1			^ MTH 390 Mathematical Communication Skills	1	CPS 150 Fundamentals of Computer Science	4
MTH 490 Math Capstone	1	To complete the Bachelor's Degree in 2 years at Heidelberg University,		CPS 150 Fundamentals of Computer Science	4	PHY 101 General Physics	4
		the following major requirements must be completed prior to tra	•	PHY 101 General Physics	4		
One Course from:	3		<u></u> .	,	15		15
MTH 401 Abstract Algebra	-	MTH 222 Calculus I	VM 005	Semester 2		Semester 2	
MTH 402 Topology				MTH 308 Calculus IV	3	MTH 308 Calculus IV	3
MTH 403 Complex Analysis	1			MTH 312 Mathematical Statistics	3	MTH 303 Linear Algebra	3
MTH 404 Real Analysis				^^MTH 401 Abstract Algebra	3	MTH 305 College Geometry	3
With the fice Analysis				^^^ MTH 490 Math Capstone	1	CPS 201 Computer Programming I	3
Additional hours in MTH to total 32 hours		<ul> <li>Additional courses that may be transferred to meet major requirements</li> </ul>		CPS 201 Computer Programming I	3	Elective	3
MTH		MTH 307 Calculus III OI	MT 007	Elective	2		
			MT 007	Lieutive	15		15
			MT 009	Semester 3	15	Semester 3	15
MTH				MTH 302 Ordinary Differential Equations	3	MTH 310 Numerical Analysis	3
		-		Allied course from BIO, CHM, CPS, PHI, or PHY	3	Allied course from BIO, CHM, CPS, PHI, or PHY	3
MTH			SC 014	Elective (300-level)	3	, , , ,	3
Alltad Courses						Elective (300-level)	
Allied Courses:		- 		Elective	3	Elective	3
PHY 101 General Physics I	4	This list of courses includes all of those that are most likely to be available		Elective	3	Elective	-
CPS150 Fundamentals of Computer Science	4	of an Associate's degree program. Additional courses might apply, but plea			15		15
CPS 2	3	that at least half of the MTH major hours required must be taken at Heid	leiberg.	Semester 4		Semester 4	
One additional course from:				MTH 303 Linear Algebra	3	MTH 312 Mathematical Statistics	3
BIO, CHM, CPS, PHI, or PHY	3 or 4			MTH 305 College Geometry	3	^^MTH 401 Abstract Algebra	3
				Elective (300-level)	3	^^^ MTH 490 Math Capstone	1
				Elective	3	Elective (300-level)	3
Total Major Hours	47			Elective	3	Elective	3
		OAN (Ohio Articulation Number): This is the numbering system for				Elective	2
		(Transfer Assurance Guide) and OTM (Ohio Transfer Module) approv	ved		15		15
		course equivalents.		If any of the above 300-level courses are tran	sferred in, ac	ditional 300-level electives must be taken to total 30 hours	s
*MTH390 can be waived if JWO requirement satisfied in another major						1	
				^ MTH 390 can be moved to any other semester but must be taken Elective hours needed will vary depending on transfer		credit. These	
*MTH490 can be waived if capstone requirement satisfied in another major				concurrently with another 300-level MTH course.		hours may be used towards a second major or a	
				^^ MTH 401 is required for students seeking the AYA ED	U license in		
				Integrated MTH. All other MTH majors may take a differ	ent 400	At least 1/2 of the major bours must be completed at Unid-linear	
				level course during a different semester. An over-ride fo	r the	At least 1/2 of the major hours must be completed at Heidelberg.	
				prerequisite will be granted as needed			
2013-2014 Catalog						Minimum of 30 hrs at the 300-level or above must be	completed at
				^^^ MTH 490 can be moved to any other semester but n	nust be	4-year institutions.	
				taken concurrently with another 400-level MTH course.			
TOTAL MINIMUM HOURS REQUIRED AT HU	60	MAXIMUM HOURS APPLIED FROM 2-YEAR INSTITUTIONS	60			OR BA/BS DEGREE	120

Due to variations of course offerings at Ohio community colleges, only TAG courses are included in the middle column above. It is possible to receive specific credit toward a major for non-TAG courses.

This guide provides an example of how you can complete your degree in the number of semesters indicated in column 3 with the minimum transfer requirements listed in column 2. Modifications to column 3 may be necessary due to changes in HU course offerings, start terms, and transfer credit. While not a guarantee, with careful planning and working closely with an advisor, degree completion should be possible in the designated time frame.