Jacksonville State University – School of Science
Mathematical, Computing, and Information Sciences Department
JSU CATALOG Spring 2018 or later
WORKSHEET** for B.S. in MATHEMATICS (MS)
with a Concentration in Traditional (TR) or General (GEN)

Student:_____ ID # _____ Catalog Year: _____

Mathematics Major Curriculum
All Concentrations (27 hrs)

MS 125< Calculus I

MS 126~ Calculus II

MS 227^ Calculus III

MS 300 Introduction to Advanced Mathematics

MS 344 Differential Equations

MS 352 Linear Algebra

MS 415 Advanced Calculus I

MS 441 Abstract Algebra I

TR 12 Hrs	GEN 12 Hrs
MS 300+ E* MS _____	**MS 302** Applied Probability and Statistics
MS 300+ E* MS _____	**MS 309** Combinatorics
MS 400+ E MS _____	**MS 323** College Geometry
MS 400+ E MS _____	**MS 475** Senior Seminar in Mathematics
*excluding MS 322, 331, and 332	

<Prereq 125: MS 113 w/C or better or 115 w/C or better or math placement test
~Prereq 126: MS 125 w/C or better
^Prereq 227: MS 126 w/C or better   E = Elective

GRADES MUST BE "C" OR BETTER IN MAJOR ONLY

General Electives (38-39 hrs)
Additional coursework for a total of 120 hours is required. Be sure to select some courses at 300 level or above to total 36+ hours.

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MUST HAVE PREREQUISITES BASED ON MOST CURRENT CATALOG BEFORE TAKING ANY MCIS COURSE

University Core Curriculum	
STU 101 – First Year Experience: 24 hrs & below ☐	
AREA I – Written Composition – 6 hrs	
EH 101 -	EH 102 -

AREA II – Humanities & Fine Arts – 12 hrs	
Literature (EH) (at least one course) 201, 202, 203, 204, 219, 220, 231, 232	EH -
	EH -
	#see sequence requirement below
Fine Arts (at least one course) ART 202; DR 242; MU 233; FL 101	-
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Speech	EH 141 -

AREA III – Natural Science & Mathematics – 9-10 hrs	
Science PHS 211/213 And any other science & lab BY 101/103, CY 105/107 GL 241/243; GY 242/244 GY 250/252; GY 251/253 PHS 201/203 PHS 212/214	PHS 211 -
	PHS 213 -
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Math (completed by 80 hrs)	**MS 125 -

AREA IV – History, Social & Behavioral Sciences – 12 hrs	
History - (HY) 101, 102, 201, 202 (at least one course)	HY -
	HY –
	#see sequence requirement below
Social & Behavioral (at least 2 courses) AN 224; EC 221, 222; GY 120, 220; PSC 100; PSY 201, 222; SY 221	–
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#Must complete either a Sequence History or Literature
**hours for MS 125 included in major curriculum

AREA V – Support Courses – 3 hrs
CS 230/231 or higher CS programming course   CS_____ ☐

OTHER REQUIREMENTS			
120 total hours	☐	2.0 JSU GPA	☐
30 hrs at JSU	☐	2.0 overall GPA	☐
12 hrs in major, 300+ at JSU	☐	"C" or better in MS courses	☐
36 hrs at 300+	☐	ECE	☐
60 hrs at 4-yr institution	☐	EPP or CLA assessment	☐
		MFT	☐