

NAME: _____

ID#: _____

IN EFFECT FALL 2016**APPLIED MATHEMATICS CURRICULUM (AMTH)****FRESHMAN YEAR**

ENGL 1100 English Comp I	3	ENGL 1120 English Comp II	3
MATH 1610 Calculus I	4	MATH 1620 Calculus II	4
CORE SCIENCE ⁴	4	CORE SCIENCE ⁴	4
CORE HUMANITIES	3	COMP 1200 Computer Science.....	2
CORE HISTORY	3	CORE HISTORY or LIT ¹	3
	17		16

SOPHOMORE YEAR

MATH 2630 Calculus III	4	MATH 2650 Linear Diff Eq	3
MATH 2660 Topics in Linear Alg	3	MATH 3100 Intro to Adv Math	3
CORE SOCIAL SCIENCE ²	3	STAT 3600 Prob & Stat	3
Interdisciplinary Elective ⁵	3	Interdisciplinary Elective ⁵	3
CORE LITERATURE	3	CORE SOCIAL SCI or HUM ³	3
	16		15

JUNIOR YEAR

MATH 5200 Analysis I	3	MATH 5210 Analysis II	3
MATH 5630 Numerical Analysis I	3	MATH 5640 Numerical Analysis II	3
Interdisciplinary Elective ⁵	3	Interdisciplinary Elective ⁵	3
CORE SOCIAL SCIENCE ²	3	CORE FINE ARTS	3
Elective	4	Elective	4
	16		16

SENIOR YEAR

MATH 5670 Prob & Stoch Proc I	3	Math Elective⁵	3
MATH 5000 Math Modeling: Cont	3	Math Elective⁵	3
Math Elective⁵	3	Math Elective⁵	3
Interdisciplinary Elective ⁵	3	Elective	3
	12		12

TOTAL HOURS 120

Long range schedules for COSAM courses are online at www.auburn.edu/cosam/students/

Courses in **BOLD** will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin (www.auburn.edu/bulletin) under Core Curriculum.

¹ Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the Bulletin.

² Students who have AP or transfer credit for US History should talk to an advisor about CORE SOC SCI choices.

³ If a LIT sequence is chosen, this course must be a CORE SOC SCI. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.

⁴ Core Science: One of the sequences PHYS 1600/1610, BIOL 1020 /1030, CHEM 1030/1040 with labs, or GEOL 1100/1110.

⁵ Guidelines for Math Elective and Interdisciplinary Elective are on the back of this sheet.

APPLIED MATHEMATICS CURRICULUM (AMTH)

Choices for courses satisfying requirements for Core Sciences, Math Electives, and Interdisciplinary Electives must constitute a coherent plan chosen with approval of advisor.

MATH ELECTIVES: Courses designated MATH or STAT at the level of 3000 or higher, no more than one 3000-level course. Subject to advisors approval.

Interdisciplinary Electives: Students should consult with MATH advisors in choosing interdisciplinary electives and must have a plan of study on file in the Dean's Office in order to be cleared for graduation. In general, students may choose from 2000 level courses or above in the schools of Business, Engineering and Science and Mathematics. At least three courses must be taken in the same general area. Also, COSAM courses at the 1000 level that are prerequisites for 2000 level COSAM courses would also generally satisfy the requirement, for example PHYS 1600-1610 and CHEM 1110-1120.