

NAME: \_\_\_\_\_

ID#: \_\_\_\_\_

**IN EFFECT FALL 2009**

**APPLIED MATHEMATICS CURRICULUM (AMTH)**

**FRESHMAN YEAR**

ENGL 1100 English Comp I.....	3	ENGL 1120 English Comp II.....	3
<b>MATH 1610 Calculus I.....</b>	<b>4</b>	<b>MATH 1620 Calculus II .....</b>	<b>4</b>
CORE SCIENCE*.....	4	CORE SCIENCE* .....	4
CORE PHILOSOPHY.....	3	COMP 1200 Computer Science.....	2
CORE HISTORY I.....	3	CORE HISTORY II.....	3
	17		16

**SOPHOMORE YEAR**

<b>MATH 2630 Calculus III.....</b>	<b>4</b>	<b>MATH 2650 Linear Diff Eq.....</b>	<b>3</b>
<b>MATH 2660 Topics in Linear Alg.....</b>	<b>3</b>	<b>MATH 3100 Intro to Adv Math .....</b>	<b>3</b>
CORE SOC SCI GROUP 1 .....	3	<b>STAT 3600 Prob &amp; Stat.....</b>	<b>3</b>
Interdisciplinary Elective.....	3	Interdisciplinary Elective .....	3
ENGL 2200 World Literature I.....	3	ENGL 2210 World Literature II.....	3
	16		15

**JUNIOR YEAR**

<b>MATH 5200 Analysis I.....</b>	<b>3</b>	<b>MATH 5210 Analysis II.....</b>	<b>3</b>
<b>MATH 5630 Numerical Analysis I.....</b>	<b>3</b>	<b>MATH 5640 Numerical Analysis II.....</b>	<b>3</b>
Interdisciplinary Elective.....	3	Interdisciplinary Elective .....	3
CORE SOC SCI GROUP 2 .....	3	CORE FINE ARTS.....	3
Elective .....	4	Elective.....	4
	16		16

**SENIOR YEAR**

<b>MATH 5670 Prob &amp; Stoch Proc I.....</b>	<b>3</b>	<b>Math Elective .....</b>	<b>3</b>
<b>MATH 5000 Math Modeling: Cont .....</b>	<b>3</b>	<b>Math Elective .....</b>	<b>3</b>
<b>Math Elective.....</b>	<b>3</b>	<b>Math Elective .....</b>	<b>3</b>
Interdisciplinary Elective.....	3	Elective.....	3
	12		12

**TOTAL HOURS 120**

Long range schedules for COSAM courses are online at [www.auburn.edu/cosam/students/registration/](http://www.auburn.edu/cosam/students/registration/)  
\*Core Science I/II: One of the sequences PHYS 1600/1610, BIOL 1020 /1030, CHEM 1030/1040 with labs, and GEOL 1100/1110.

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

Options for courses labeled CORE are in the Auburn University Bulletin, under Core Curriculum.

Guidelines for Natural Science, 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 chose 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.