

### SAMPLE Plan of Study for Applied Mathematics (APMA)

	MATH requirements			Science 2007 Core requirements				Electives		Hours
<b>Semester 1</b>	MA 16100, 16500 Calculus I 4-5			ENGL 10600/10800 Freshman Comp 3-4	Language 10100 <sup>2</sup> 3-4			MA 10800 Intro Math 1	Free 3	14-17
<b>Semester 2</b>	MA 16200, 16600, 17300, 18100 Calculus II 4-5			CS 17700 Programming 4	Language 10200 <sup>2</sup> 3-4	SCI 21000 <sup>3</sup> Teamwork 1	Teamwork <sup>3</sup> Experience	Free 3		15-17
<b>Semester 3</b>	MA 26100, 17400, 18200, 27100 Calculus III 4-5			Lab Science I 3-4	Language/Culture <sup>2</sup> 3-4			MA 30100 Intro Analysis 3	Free 3	16-19
<b>Semester 4</b>	MA 35100 Linear Alg 3		STAT 35000 Statistics 3	Lab Science II 3-4	COM 21700 Writing/Present 3			Free/Minor 3		15-16
<b>Semester 5</b>	MA 36600 Diff Eqn 4	MA 34100, 44000 Analysis 3		General Education 3				Free/Minor 3	Free/Minor 3	16
<b>Semester 6</b>	MA 35300 Linear Alg 2 3	MA 36200, 44200, 51000 Vector Calc 3	CS 31400 Num Analysis 3	General Education I 3				Free/Minor 3		15
<b>Semester 7</b>	MA 45300, 45000 Algebra 3	MA 30300 or 30400 Diff Eq 2 3		General Education II 3	Multidisciplinary <sup>1</sup> 3-4			Free/Minor 3		16
<b>Semester 8</b>	MA 42500, 42800, 52000 52300 or 52500 3	MA/STAT <sup>4</sup> 3		Great Issues 3				Free 3	Free 3	15

<sup>1</sup> Multidisciplinary--can be either an approved course, minor, or dual major

<sup>2</sup> Language and Culture requirement may also be satisfied via an approved Study Abroad for a semester

<sup>3</sup> SCI 21000 and experience is one of the many options for teamwork requirement. See <https://www.science.purdue.edu/undergraduate-curriculum> for more options

<sup>4</sup> MA/STAT: One of: STAT 41600 (51600), MA 37500, MA 42100, MA 42500, MA 42800

Not all courses offered every semester or year.

\*Total\*: 122-131

\*Total\* must be ≥ 124