

SAMPLE Plan of Study for Mathematical Statistics (STMA)

	STAT and MATH requirements		Science 2007 Core requirements				Electives		Hours
Semester 1									
Course Title Hours	MA 16100, 16500 Calculus I 4-5		ENGL 10600/10800 Freshman Comp 3-4	Language 10100 ² 3-4			MA 10800 Intro Math 1	Free/Minor 3	14-17
Semester 2									
Course Title Hours	MA 16200, 16600, 17300, 18100 Calculus II 4-5		CS 17700 Programming 4	Language 10200 ² 3-4	SCI 21000 ³ Teamwork Principles 1	Teamwork ³ Experience	Free/Minor 3		15-17
Semester 3									
Course Title Hours	MA 26100, 17400, 18200, 27100 Calculus III 4-5		General Education 3	Language/Culture ² 3-4			MA 30100 Intro Analysis 3	Free/Minor 3	16-18
Semester 4									
Course Title Hours	MA 35100 Linear Algebra 3		STAT 35000 Intro to Statistics 3	COM 21700 Writing/Present 3			Free/Minor 3	Free/Minor 3	15
Semester 5									
Course Title Hours	MA 34100, 44000 Analysis 3	MA/STAT 41600, STAT 51600 Probability 3	Lab Science I 3-4				Free/Minor 3	Free/Minor 3	15-16
Semester 6									
Course Title Hours	MA 36200, 44200, 51000 Advanced Calculus 3	STAT 41700, 51700 Statistical Theory 3	Lab Science II 3-4				Free/Minor 3	Free/Minor 3	15-16
Semester 7									
Course Title Hours	MA 35300 Linear Algebra 2 3	STAT 51200 Regression 3	General Education I 3	Multidisciplinary ¹ 3-4			Free/Minor 3		15-16
Semester 8									
Course Title Hours	MA ⁴ Mathematics Elective 3-4	STAT ⁵ Statistics Elective 3	General Education II 3	Great Issues 3			Free/Minor 3		15-16

Total: 120-131

Total must be ≥ to 124

¹ Multidisciplinary--can be an approved course, minor, or dual degree

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

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

⁴ MA: One of MA 36600, MA 37500, MA 42500, MA 45300(45000), MA 52000

⁵ STAT: One of: STAT 42000, STAT 51300, 51400, IE 53000