

SAMPLE Plan of Study for Actuarial Science (ACSC)

2.5 GPA required beyond Calculus											
	MATH/STAT requirements		MGMT/ECON Requirements		Science 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/STAT 17000 Intro Act Sci 2	Free/Minor 2-3	14-18
Semester 2	Course Title Hours	MA 16200, 16600, 17300, 18100 Calculus II 4-5	MA 37300 ¹ Financial Math 4		CS 17700/CNIT 17500 ⁵ Programming 3-4	Language 10200 ² 3-4	Teamwork ³ Principles SCI 21000 1	Teamwork ³ Experience			EXAM FM 15-18
Semester 3	Course Title Hours	MA 26100, 17400, 18200, 27100 Calculus III 4-5		MGMT 20000 Accounting 1 3	ECON 25100 ⁴ Micro-Econ 3	STAT 35000 Statistics 3	Language/Culture ² 3-4				16-18
Semester 4	Course Title Hours	MA 35100 Linear Alg 3	STAT 41600 Probability 3	MGMT 20100 Accounting 2 3	ECON 25200 Macro-Econ 3		Technical Writing/Present COM 21700 3		STAT 25000 ⁶ Prep for P 2		EXAM P 17
Semester 5	Course Title Hours	STAT 47201 Act Model Life Cont 4	STAT 41700 Statistics 3	MGMT 31000 ⁷ Finance 3		Lab Science I 3-4					13-14
Semester 6	Course Title Hours	STAT 47301 Intro Arb-Free Pricing of Fin Derivatives 3				Lab Science II 3-4	General Education I 3		Free/Minor 3	Free/Minor 3	EXAM MLE 15-16
Semester 7	Course Title Hours	MA 36600 Diff Eqn 4	STAT 51200 Regression 3						MGMT 41100* Investments (Honors) 3	Free/Minor 6	EXAM MFE 16
Semester 8	Course Title Hours		STAT 42000 Time Series 3			Great Issues 3	General Education II 3		STAT 47900* Loss Models (Honors) 3	Free/Minor 3	EXAM C 15

Total must be ≥ to 120

¹ Fulfills the CoS multidisciplinary requirement

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 ECON 25100 will satisfy the 3rd general education course requirement for Science

⁵ CNIT 17500 will NOT count towards teamwork experience.

⁶ Exam Prep Class

⁷ MGMT 31000 can be replaced by MGMT 30400

* Required for HONORS degree - see your advisor for additional requirements for Honors in Actuarial Science