

SAMPLE Plan of Study for Actuarial Science (7AS) Plan 1

	MATH/STAT requirements		MGMT/ECON Requirements		Science Core requirements			Electives		Hours
Semester 1	Course Title Hours	MA 161, 165 Calculus I 4-5			ENGL 106/108 Freshman Comp 3-4	Language 101 ² 3-4	Teamwork ³ SCI 130 0-1	MA/STAT 170 Intro Act Sci 2	Free/Minor 3	15-19
Semester 2	Course Title Hours	MA 162, 166, 173, 181 Calculus II 4-5	MA 373 ¹ Financial Math 4	ECON 251 ⁴ Micro-Econ 3		Language 102 ² 3-4	Teamwork ³ Experience		Free/Minor 3	EXAM FM May 17 -19
Semester 3	Course Title Hours	MA 261, 174, 182, 271 Calculus III 4-5		MGMT 200 Accounting 1 3	ECON 252 Macro-Econ 3	CS 177/CNIT 175 ⁵ Programming 3-4	Language/Culture ² 3-4			16-19
Semester 4	Course Title Hours	MA 351 Linear Alg 3		MGMT 201 Accounting 2 3		STAT 350 Statistics 3	Writing/Present COM 217 3	Free/Minor 3	Free/Minor 3	18
Semester 5	Course Title Hours	MA 366 Diff Eqn 4	STAT 416 Probability 3	MGMT 310 Finance 3		Lab Science I 3-4		Free/Minor 3		16-17
Semester 6	Course Title Hours		STAT 417 Statistics 3			Lab Science II 3-4	General Eduation I 3	STAT 250 ⁶ Prep for P 2	Free/Minor 3	EXAM P May 14-15
Semester 7	Course Title Hours	STAT 472 Act Model I 3	STAT 512 Regression 3				General Eduation II 3	MGMT 411 ⁷ Investments 3	Free/Minor 3	15
Semester 8	Course Title Hours	STAT 473 Act Model II 3	STAT 420 Time Series 3			Great Issues 3		Free/Minor 3	Free/Minor 3	EXAM M or C May 15

Total: 126-136

Total must be ≥ to 124

¹ Fulfills the CoS multidisciplinary requirement

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

³ Teamwork can be satisfied by either the SCI 130 module plus experience

⁴ ECON 251 will satisfy the 3rd general education course requirement for Science

⁵ CS 177 will satisfy Teamwork experience requirement, CNIT 175 will NOT count towards teamwork experience.

⁶ Exam Prep Class

⁷ Together with MGMT 310 fulfils the SOA Corporate Finance requirement. It is required for the honors degree.

SAMPLE Plan of Study for Actuarial Science (7AS) Plan 2 for high ability students (Honors)

	MATH/STAT requirements		MGMT/ECON Requirements		Science Core requirements			Electives		Hours
Semester 1	Course Title Hours	MA 173, 181, 271 ¹ Calculus II or III 4-5		ECON 251 ² Micro-Econ 3	ENGL 106/108 Freshman Comp 3-4	Language 102 ³ 3-4	Teamwork ⁴ SCI 130 0-1	MA/STAT 170 Intro Act Sci 2		15-19
Semester 2	Course Title Hours	MA 174, 182 Calculus III 4-5	MA 373 ⁵ Financial Math 4		STAT 350 Statistics 3	Language/Culture ³ 3-4	Teamwork ⁴ Experience			EXAM FM May 14-16
Semester 3	Course Title Hours	MA 351 Linear Alg 3	STAT 416 Probability 3	MGMT 200 Accounting 1 3	ECON 252 Macro-Econ 3	CS 177/CNIT 175 ⁶ Programming 3-4				15 - 16
Semester 4	Course Title Hours		STAT 417 Statistics 3	MGMT 201 Accounting 2 3	Lab Science I 3-4	Writing/Present COM 217 3		STAT 250 ⁷ Prep for P 2		EXAM P May 14-15
Semester 5	Course Title Hours	STAT 472 Act Model I 3	MA 366 Diff Eqn 4		Lab Science II 3-4			Free/Minor 3	Free/Minor 3	16-17
Semester 6	Course Title Hours	STAT 473 Act Model II 3		MGMT 310 Finance 3	General Eduation I 3			Free/Minor 3	Free/Minor 3	EXAM M May 15
Semester 7	Course Title Hours	STAT 512 Regression 3	STAT 479 ⁸ Loss Models (Honors) 3	MGMT 411 ⁹ Investments 3				Free/Minor 3	Free/Minor 3-6 as hours are needed	15-18
Semester 8	Course Title Hours	STAT 420 Time Series 3			General Eduation II 3	Great Issues 3		Free/Minor 3	Free/Minor 3-6 as hours are needed	EXAM C May 15-18

125-134

Total must be ≥ to 124

¹ Students enters with prior credit in Calc I. Some may have credit in Calc I and Calc II

² ECON 251 will satisfy the 3rd general education course requirement for Science

³ Language and Culture requirement may also be satisfied via an approved Study Abroad for a semester

⁴ Teamwork can be satisfied by either the SCI 130 module plus experience

⁵ Fulfills the CoS multidisciplinary requirement

⁶ CS 177 will satisfy Teamwork experience requirement, CNIT 175 will NOT count towards teamwork experience.

⁷ Exam Prep Class

⁸ This is an HONORS class that completes the preparation for the C Exam. It is required only for the honors degree.

⁹ Together with MGMT 310 fulfils the SOA Corporate Finance requirement. It is required for the honors degree.

Required for the Management minor

It is typical for high ability students to enter Purdue with additional AP credit which may possibly be used to fulfill some of the above requirements.