

**SAMPLE Plan of Study for HONORS Actuarial Science (ASHO)**

2.5 GPA required beyond Calculus										
	MATH/STAT requirements		MGMT/ECON Requirements		Science Core requirements			Electives		Hours
<b>Semester 1</b>	Course Title Hours	MA 17300, 18100, 27100 <sup>1</sup> Calculus II or III 4-5		ECON 25100 <sup>2</sup> Micro-Econ 3	ENGL 10600/10800 Freshman Comp 3-4	Language 10200 <sup>3</sup>  3-4		MA/STAT 17000 Intro Act Sci 2		15-18
<b>Semester 2</b>	Course Title Hours	MA 17400, 18200 Calculus III 4-5	MA 37300 <sup>5</sup> Financial Math 4		STAT 35000 Statistics 3	Language/Culture <sup>3</sup>  3-4				<b>EXAM FM May 14-16</b>
<b>Semester 3</b>	Course Title Hours	MA 35100 Linear Alg 3	STAT 41600 Probability 3	MGMT 20000 Accounting 1 3	ECON 25200 Macro-Econ 3	CS 17700/CNIT 17500 <sup>6</sup> Programming 3-4	Teamwork <sup>4</sup> SCI 21000 1	Teamwork <sup>4</sup> Experience		16-17
<b>Semester 4</b>	Course Title Hours		STAT 41700 Statistics 3	MGMT 20100 Accounting 2 3		Lab Science I  3-4	Writing/Present COM 21700 3		STAT 25000 <sup>7</sup> Prep for P 2	<b>EXAM P May 14-15</b>
<b>Semester 5</b>	Course Title Hours	STAT 49000 Act Model I 4	MA 36600 Diff Eqn 4			Lab Science II  3-4			Free/Minor 3	Free/Minor 3
<b>Semester 6</b>	Course Title Hours	STAT 47300 Act Model II 3		MGMT 31000 Finance 3		General Education I  3			Free/Minor 3	Free/Minor 3
<b>Semester 7</b>	Course Title Hours	STAT 51200 Regression 3		MGMT 41100 <sup>9</sup> Investments 3			Great Issues  3		Free/Minor 3	Free/Minor 3
<b>Semester 8</b>	Course Title Hours	STAT 42000 Time Series 3	STAT 47900 <sup>8</sup> Loss Models (Honors) 3			General Education II  3			Free/Minor 3	Free/Minor 3

121-129

\*Total\* must be ≥ to 124

<sup>1</sup> Students enters with prior credit in Calc I. Some may have credit in Calc I and Calc II

<sup>2</sup> ECON 25100 will satisfy the 3rd general education course requirement for Science

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

<sup>4</sup> SCI 210 and experience is one of the many options for teamwork requirement. See <https://www.science.purdue.edu/undergraduate-curriculum> for more options

<sup>5</sup> Fulfills the CoS multidisciplinary requirement

<sup>6</sup> CS 17700 will satisfy Teamwork experience requirement, CNIT 17500 will NOT count towards teamwork experience.

<sup>7</sup> Exam Prep Class

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

<sup>9</sup> Together with MGMT 31000 fulfils the SOA Corporate Finance requirement. It is required for the honors degree. Also used towards 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.