B.S. in STATISTICS Suggested 4-Year Academic Flowchart



Updated 6/17/17

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to the Discipline of Statistics	Statistics I	Statistics II	Introduction to Probability and Simulation	Design and Analysis of Experiments I	Applied Linear Models	Probability Theory	Estimation and Sampling Theory	Mathematical Statistics	Senior Project I	Senior Project II	Statistical Consulting
STAT 150 (2)	STAT 301 (4)	STAT 302 (4)	STAT 305 (4) (CPE/CSC 101, CSC	STAT 323 (4)	STAT 334 (4) STAT 252, 302, 312,	STAT 425 (4) (MATH 241; and	STAT 426 (4)	STAT 427 (4)	STAT 461 (1)	STAT 462 (2)	STAT 465 (4
	(MATH 141)	(STAT 301)	232, CPE/CSC 235, or STAT 331; and MATH 142)	(IME 326 or STAT 252 or 302 or 312 or 313)	313, or IME 326; and MATH 206, or MATH 244)	MATH 248 or CSC 348. Recom: STAT 301 & 305)	(STAT 425. Recom: STAT 302)	(STAT 426)			(STAT 365, Standing)
Calculus I	Calculus II	Calculus III	Calculus IV	Linear Algebra I	Statistical Communication	Statistics Elective	Statistics Elective	Statistics Elective	Statistics Elective	Statistics Elective	Statistics Elective
MATH 141 (4)	MATH 142 (4)	MATH 143 (4)	MATH 241 (4)	MATH 206 (4)	STAT 365 (2)	(4) ²	(4) ²	(4) ²	(4) ²	(4) ²	(4) ²
* [B1]	(MATH 141 w/min grade of C-)	(MATH 142 w/min grade of C-)	(MATH 143)	(MATH 143)	(GE Areas A1 and A3; and STAT 252, 302, or 313)	*	*	*	*	*	*
		Computer Science	Statistical Computing with SAS	Statistical Computing with R	Methods of Proof in Mathematics				Approved Support Elective	Approved Support Elective	
		CSC/CPE 235	STAT 330 (4)	STAT 331 (4)	MATH 248 (4)				(4) ³	(4) ³	
GE (4) **	GE (4) **	or 101 (4) *	(IME 326 or STAT 252 or 302 or 312 or 313)	(IME 326 or STAT 252, 302, 312, or 313; & BUS 290 or CPE/CSC 101 or	(MATH 143)				*	*	
	g ENGL 133 or 1 en anytime during Fre			235 or ECON 395 or STAT 330)							
Oral Communication COMS 101 or 102 (4)** [A2] Can be taken anytime during Freshman Year		GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	
	COMS 126;	COMS / ENGL 14 (Completion of GE A	ration, & Writing [A 5; ENGL 148; PHIL 1 with a C- or better) Freshman and Winter of	. 126 (4)**			GE (4) **	GE (4) **			
Free Elective	Free Elective	Free Elective			Free Elective Graduation Writing Requirement GWR*					Free Electiv	
(1) ¹ Rec: MATH 151				(1) ¹ Rec: MATH 258	(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior					(1) ¹	
Conc: MATH 141)	(Conc: MATH 142)	(Conc: MATH 143)			(Conc: MATH 248)		year)	11			(1)
15	17	17	16	16	15	12	16	16	13	14	13
										TOTAL:	180
otes:								Legend:			

Notes:

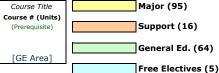
MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR). USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, D4, D5 or F.

List A (12 units): STAT 405, 414, 415, 416, 417, 418, 419, 421, 423, 434.

List B (12 units): any 400-level STAT course (including from List A); CSC/CPE 202, 203, 236, 348, 349, 365, 369; DATA 301; IME 430; IT 303; MATH 242, 306, 335, 336, 406, 412, 413, 414, 437, 451.



^{**} One course from each of the following GE areas must be completed: A1, A2, A3, B2, B3, (B4 [lab] must be completed with either B2 or B3), C1, C2, C3, C4, C1-C5 elective, D1, D2, D3, D4, D5 and F. C4, D5 and F should be taken only after Junior standing is reached (90 units). ENGL 148 recommended to satisfy GE A3 requirement.

¹ Five units of elective credit needed to reach 180 units. Math workshops are strongly recommended and require concurrent enrollment in the associated Math course. Each workshop will count as one unit of elective credit. CR/NC grading.

² Statistics Electives (24 units).

³ Consultation with faculty advisor is required to select and obtain approval for these courses. Students are requested to consult their advisors before the start of their junior year.