The Bachelor of Science (B.S.)[1]
in Statistics and Data Science
For Catalog Year 2018

(for the B.A. plan, see the back of this page)

THIS IS A SAMPLE PROGRAM. EACH STUDENT SHOULD CONSULT A DEPARTMENT ADVISOR TO PREPARE A PROGRAM THAT FITS HIS/HER INDIVIDUAL BACKGROUND AND ACADEMIC NEEDS.

Freshman Year

Fall Semester		Spring Semester	
MATH 122A & B or 125	5/3	MATH 129	3
ENGL 101 or 107 or 109H	3	ENGL 102 or 108	4
Tier I INDV (150)	3	Second Language	4
Second Language	4	Tier I INDV (150)	3
Elective (First Year Colloquium)[2]	1	Tier I TRAD (160)	3
Total	**16/14**	**Total**	**17**

Sophomore Year

MATH 223	4	MATH 363	3
MATH 313	3	CSC 110 or ISTA 130	4
Lab Science[3]	4	Lab Science[3]	4
Tier I TRAD (160)	3	Tier II Indiv	3
Tier II Arts	3		
Total	**17**	**Total**	**14**

Junior Year

Statistical Computing (proposed)	3	Stat major elective[4]	3
MATH 464	3	MATH 466	3
Minor Course[†]	3	Minor Courses[†]	6
Tier II Humanities	3	Elective Course	3
Elective Course	3		
Total	**15**	**Total**	**15**

Senior Year

Applied Linear Models (proposed)	3	Intro to Data Science (proposed)	3
Minor Courses[†]	6	Minor Course[†]	3
Elective Courses	6	Elective Courses	5/7
Total	**15**	**Total**	**11/13**

This degree program requires at least 120 total units, including 42 upper division units (300-400 level)

[1]Application Courses Requirement: For the B.S. degree, students must complete at least 6 units of course work outside the Mathematics Department that require calculus I, statistics, or a higher mathematics course as a corequisite or prerequisite from this list: ABE 201, 284, 423, 428; ACBS 313; AME 472; ASTR 250; BIOC 462A, 462B, 466; BME 481B; CE 214; CHEM 161, 162, 325, 326, 404A, 480A, 480B; CSC 345, 422, 433, 436, 437, 445, 453, 460, 477; ECE 381A, 429; ECOL 302, 447; ECON 332 , 361; ENGR 211C; ENVS 420, 470; EPID 479; GEOG 463; GEOS 322, 356, 419, 432, 434A, 440, 469, 479; ISTA 321, 350 , 421, 450; MCB 315, 416A, 480; MSE 345, 404, 415; NSCS 344; OPTI 201R; PHYS 140, 141, 142, 143, 161H, 162H, 240, 241, 261H; PSIO 303, 472; PTYS 407; RAM 456A; RNR 417, 473; SIE 250, 265, 422, 496; SOC 476; STAT 493; WFSC 444; WSM 460A; or courses approved by your academic advisor

[2] Honors College Freshmen are required to take a 1 unit honors colloquium in their first semester.

[3] The BS degree in Statistics is science-intensive. One of the following sequences of lab science courses is required to satisfy the Tier I General Education requirements: CHEM 141/143 & 142/144; CHEM 151 & 152; CHEM 161/163 & 162/164; MCB 181R/181L & ECOL 182R/182L; PHYS (141 or 161H) & (142 or 241 or 162H or 261H); GEOS 251 & (302 or 304); PSIO 201 & 202.

[4] For major elective course options, see the major handbook, website, or an academic advisor.

[†] To declare your minor, contact an advisor from the appropriate department.

NOTES: Second-semester proficiency in a second language is required for the BS degree. One Tier I or Tier II course may fulfill the Diversity requirement. See advisor if you have questions regarding the Mid-Career Writing Assessment requirement.