

Statistics and Data Science, BS-PreCalculus

4-Year Pathway 2025/26 - 2029/30

Fall Freshman Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units 15	Requirements Met <small>GE/UR/Major</small>
MATH 130*	Precalculus	5	Area 2, major
FYS 143, 145, 147 or 148 or Any Approved Course	Any First Year Seminar with GE	3	e.g FYS + Area 3B
HCOM 120, HCOM 125 or Any Approved Course	English Composition GE	3	Area 1A
ENVS 201 or Any Approved Course	Biological Science (with Lab) GE	4	Area 5B & 5C
Spring Freshman Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units 14	Requirement Met <small>GE/UR/Major</small>
MATH 150	Calculus I	4	Major
MATH 170	Discrete Mathematics	4	Major
HCOM 110 or Any Approved Course	Oral Communication GE	3	Area 1C
SL 210S, HCOM 260S or Any Approved Course	Civics/Service Learning GE	3	Area 4, US2&3
Fall Sophomore Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units 15	Requirement Met <small>GE/UR/Major</small>
MATH 151	Calculus II	4	Major
MATH 230 (fall only)	Elementary Linear Algebra	3	Major
MATH 320 (fall only)	Applied Probability & Statistics	4	Major
CST 231 or CST 319	Option for Computing Course	4	Major
Spring Sophomore Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units 14	Requirement Met <small>GE/UR/Major</small>
STAT 210 (spring only)	Statistical Computing with R	1	Major
MATH 250 (spring only)	Multivariate Calculus	4	Major
BIO 131, HCOM 200 or Any Approved Course	Critical Thinking GE	3	Area 1B
CART 231, VPA 205 or Any Approved Course	Arts GE	3	Area 3A
ENVS 282, GEOL 110 or Any Approved Course	Physical Science GE	3	Area 5A
Fall Junior Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units	Requirement Met <small>GE/UR/Major</small>
MATH 300 (fall only)	Major Proseminar	3	GWAR, Major
STAT 310 (fall only)	Data Visualization	3	Area 2 UDGE
STAT 330 (even years), 335 (odd years), or other option	STAT elective #1	4	Major
HCOM 229, HOSP 211 OR Any Approved Course	Ethnic Studies GE	3	Areas 6

HCOM 274, HCOM 265 OR Any Approved Course	US History GE	3	Area 4A, US1
Spring Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
MATH 362S (spring only)	Svc Lrn for Math/Stat Consultants	4	UDSL, Major
STAT 410 (spring only)	General Linearized Models	4	Major
STAT 320 (even years) or 325 (odd years), or other option	STAT elective #2	4	Major
HCOM 343 or Any Approved Course	UD Area 4 Social and Behavioral Sciences GE	3	Area 4 UDGE
Fall Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
STAT 420 (fall only)	Statistical Theory I	4	Major
STAT 211, 330, 335, 440 MATH 322, 374, 375, 420 or Approved Minor Course	MATH/STAT Elective #1 not taken previously	4	Major
SPAN 350 or JAPN 350 or Any Approved Course	UD C with World Culture & Languages GE	3	Area 3 UDGE WCL
Elective or Minor Course		4	
Spring Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
STAT 400	Statistics and Data Science Capstone Seminar	4	Major
STAT 421 (spring only)	Statistical Theory II	4	Major
STAT 320, 325, MATH 330, 374, 375, 421 or Approved Minor Course	MATH/STAT Elective #2 not taken previously	4	Major
Elective or Minor Course		4	

*Students must complete an online placement to enroll in MATH 150. Contact the MATH advisor for information about the Calculus placement.

*Students who start in Precalculus will replace elective units with MATH 130: Precalculus (5 units)

Approved Minors

Mathematics Minor (recommended courses included on Specialization list)

Computer Science Minor (recommend CST 238, 383, and 463)