Degree Requirements - Bachelor of Science Mathematics - Statistics 2018-2020 Catalog	CRJ 2013 Introduction to the Criminal Justice	FCS 2103 Nutrition FRE 1013 French I (or higher)
mathematics - Statistics 2010-2020 Catalog	CRJ 2033 Introduction to Criminology	
Name	ECO 2013 Macroeconomics	HUM 2153 Intro/Women's and Gender Studies
	ECO 2013 Macroeconomics	NTH xxx3-6 (not used in major)
Freshman English/Writing (6 hours)		NTH xxx3-6 (not used in major)
ENG 1463 Freshman English A	GEO 1023 Introduction to Geography	
ENG 1473 Freshman English B OR	GEO 2163 World Geography	PHI 2013 Intro to Philosophy
ENG 1803 Freshman English Honors	PSC 1023 State and Local Government	PHI 2083 Introduction to Philosophy <i>Honors</i>
Communication (3 hours)	PSY 1013 General Psychology	PHI 3113 Ethics (recommended)
COM 2013 Oral Communication	PSY 1073 General Psychology <i>Honors</i>	PHI 4043 Ancient Philosophy
OON 2013 Oral Communication	SOC 1013 Introduction to Sociology	PHI 4053 Modern Philosophy
Physical Well-Being (1 hour)	Natural Sciences (16 hours)	SPA 1013 Spanish I (or higher)
Choose one:	Required:	Or any other course listed in the Liberal Arts Core that
HPR 1011 Life Fitness Concepts	BIO 1013/1021 Intro to Biology and Lab	has not been used to fulfill any other category
HPR 1xxx PE activity	CHM 1014 University Chemistry I	Writing across the Curriculum (3 hours)
MSC1011 Introduction to ROTC	PHY2234 University Physics I	ENG 3613 Technical Writing
MSC1021 Introduction to Leadership	Choose one:	ENG 3013 Technical Whiting
One or more years of active duty Military service		Writing Intensive (WI) Requirement Must pass with a
THA 2002 Ballet I	BIO 2104 General Botany	grade of "C" or better
THA 2012 Theatre Dance I	BIO 2114 General Zoology	
THA 2012 Theatre Dance I	CHM 1024 University Chemistry II	<u>Henderson Seminar (1 hour)</u>
THA 4552 Modern Dance	PHY2244 University Physics II	GEN 1031 Henderson Seminar (freshmen only)
TTA 4552 Wodelli Dalice	Nonwestern Culture (3 hours)	Computer Science (4 hours)
Fine Arts and Humanities (6 hours)	ANT 3043 North American Indians	CSC 1104 Foundations of Computer Science I AND
Choose one:	ANT 3053 World Cultures	
ENG 2013 World Literature I	ART 3103 Art of the Nonwestern World	CSC 1104L Foundations of Computer Science I lab
ENG 2023 World Literature II	BIO 4044 Neotropical Ecology	Mathematics core (25 hours)
ENG 2053 Studies in Literature	EDU 4543 Teaching People of Other Cultures	MTH 1294 Calculus I (fall, spring)
ENG 2793 Masters in Western Literature Honors		MTH 2044 Calculus II (fall, spring)
Choose one:	ENG 3043 Nonwestern Literature	MTH 2283 Discrete Mathematics (fall, spring)
ART 2033 Humanities Art	GEN 4083 Study Abroad Non-Western (requires	MTH 3104 Calculus III (fall)
ART2603 Humanities Studio Art	travel)	MTH 3113 Linear Algebra (even spring) OR
ART2003 Humanities Studio Art	GEO 3173 Geography of the Pacific	MTH 3663 Applied Linear Algebra (odd spring)
	HIS 4673 Asian Civilizations	NTH 3663 Applied Linear Algebra (odd spring)MTH 3163 Probability and Statistics I (fall)
Enjoyment	HIS 4683 The Modern Middle East	
HUM2093 Fine Arts Honors	HIS 4693 African History	MTH 3573 Transition to Advanced Mathematics
MUS 2033 Humanities Music	HPR 3973 History & Philosophy of Nonwestern	(spring)
MUS 4363/4373 Music History	Leisure, Culture Wellness & Sport	MTH 4901 (WI) Senior Project – Math (fall, spring)
THA 2033 Humanities Theatre Arts	MUS 3473 Survey of Nonwestern Music	Statistics Electives (18 hours)
Social Science (9 hours)	NSG 3643 Trans-cultural Health Care	Choose six (at least three 3000- or 4000-level STA):
Choose one:	PHI 3023 Religions of the World	STA 2054 Applied Biostatistics
HIS 1013 Civilization to 1660	PHI 4203 Asian Philosophy	STA 2323 Statistical Methods
HIS 1023 Civilization since 1660	PHY 4293 Nonwestern Cosmology	STA 3443 Statistical Computing
HIS 1043 Civilization since 1660 Honors	PSC 4233 Comparative Politics in the Middle East	STA 4013 Applied Regression Analysis
Choose one:	PSC 4243 Comparative Politics in Africa	STA 4013 Applied Regression Analysis STA 4023 Applied Analysis of Variance
HIS 2053 United States to 1877	PSC 4253 South Asian Politics	STA 4023 Applied Analysis of VarianceSTA 4033 Nonparametric Statistical Methods
	PSY 3043 Cross-Cultural Psychology	·
HIS 2063 United States since 1877	PSY 3053 Multicultural Mental Health	STA 4463 Probability and Statistics II
PSC 1013 American National Government	SOC 3063 World Cultures	STA 4043 Statistical Analysis of Time Series
PSC 1263 American National Government <i>Honors</i>	GEN 3083 Study Abroad Nonwestern World	STA 4621–6 Statistics Internship
Choose one:	SEN 0000 Study / World Northwooten World	Continued on the next page
ANT 2013 Introduction to Cultural Anthropology	Core Elective (3 hours)	
	Choose one:	Undated 12 Jan 2019

Updated 12 Jan 2019

Choose one:

Minor Courses (Varies by department)

**Electives** (as needed to meet 120-hour minimum)

Minimum total credit hours 120

Minimum Jr./Sr. hours 42

## **Electives**

Computer science courses are recommended. A passing grade in Statistical Methods or the catalog prerequisites is required for GBU 3133, NSG 3603, PSY 4343, PSY 4433, and SOC 4213. At most one course outside the Mathematics, Computer Science, and Statistics Department may be counted as an elective.

At most three total credit hours of MTH, CSC, or STA internship will count toward the statistics degree.

Science II and laboratory CSC 1114L
CSC 2203 Data Structures CSC 3133 Introduction to Database Theory CSC 3223 Algorithm Analysis CSC 4213 Simulation Theory CSC 4621–6 Computer Science Internship
MIS 3153 Data Management MIS 3163 Data Visualization MIS 4043 Systems Analysis and Design MIS 4173 Data Mining
MTH 3124 Differential Equations (spring MTH 4233 Advanced Calculus I MTH 4303 Advanced Calculus II MTH 4373 Numerical Analysis MTH 4621–6 Mathematics Internship
NSG 3603 Healthcare Research for Evidence Based Practice
PHI 2133 Logic I PHI 4143 Logic II
PSY 4343 Advanced Statistics PSY 4433 Psychological Tests and Measurements
SOC 4213 (WI) Research Methods