Mathematics Major (Statistics Specialization) BA Degree 32 Course Units (128 Credits) AY 2016-2017

Name:			Freshman	Updates		
TCNJ ID:	TCNJ Entry:	Major Entry:				
2nd Major: None	1st Minor:None	2nd Minor: None				
Earned Units:	GPA:	Major GPA:				

Liberal Learning Breadth Requirements

NOTE: courses in *italics* are also listed as major and/or correlate courses.

Courses	Grade
Indicate Option Met:	
☐ **Designated Interdisciplinary Concentration (A)** (Attachment)	
☐ **Second Major (A)** (Attachment)	
☐ **Self-Designed Interdisciplinary Concentration (B)** (Attachment)	
☐ **Breadth Distribution List (C) -8 Courses:**	
Arts & Humanities/Social Science & History – 5 courses.	
1 course unit in Literary, Visual, Performing Arts (LVPA)	None
1 course unit in World Views/Ways of Knowing (WVWK)	None
1 course unit in Behavioral, Social or Cultural Perspectives (BSCP)	None
1 course unit in Social Change in Historical Perspective (SCHP)	None
1 additional course unit in LVPS, WVWK, BSCP, or SCHP	None
Natural Sciences & Quantitative Reasoning Natural Science (at least one lab); Quantitative Reasoning (at least one from each)	
MAT 127 Calculus A	None
Any two natural science courses from the Dept. list (see website), at least one with a lab.	None
	None

Transfer Information:

School Accepted: Credit

School Accepted: Pending: Credit

Correlate Courses: 3 Courses	
Any two natural science courses from the Dept. list (see website), at least one with a lab.	
CRI 215 Data Mgmt.	None
	None
	None

MAJOR PROGRAM REQUIREMENTS
NOTE: courses in *italics* are also listed as liberal learning courses
14 Mathematics and Statistics,
1 Correlate/Mathematics,
2 Correlate/Liberal Learning and
1 Correlate course as listed.

Courses	Grade
Major Core: 9 Courses	
MAT 128 Calculus B	None
MAT 200 Proof Writing	None
MAT 205 Linear Algebra	None
MAT 229 Multivar. Calc.	None
MAT 316 Probability	None
STA 215 Stat. Inference	None
STA 305 Regression Anal.	None
STA 410 Math. Stat.	None
STA 498 Capstone	None
Major Options/Concentrations: 5 Courses. Choose **3** from the following:	
STA 303 Design of Exp.	None
STA 304 Samp & Non-parametric Stat.	None
STA 306 Applied Multivariate Analysis	None
STA 307 Data Mining and Predictive Modeling	None
STA 314 Quality Control	None
AND 2 MAT/STA Options (with advisement)	
	None
	None

Major non-credit requirement:
☐ **MAT 099** Orientation Sem I
None

Graduation Requirements:

1) Minimum GPA of 2.00
2) Minimum of 6 units in the major must be earned in the department. A minimum of 4 of the final 6 units must be earned in the department
3) At least a B- in MAT 127 or 128; and at least C in STA 215 and in MAT 316
4) At least C- in all other MAT & STA courses with the following exception: for 300-400 level courses at most 1 grades of D or D+.
5) At least C- in any course that is prerequisite for subsequent course
6) At most one course unit of independent work courses can count towards the major requirements.

Waivers & Substitutions

n/a for

Civic Responsibilities, Proficiencies & Electives

Courses	Grade
Civic Responsibilities – May be met through Courses, Programs or Sustained Experiences	
☐ **Community Engaged Learning**	
	None
☐ **Gender**	
	None
☐ **Global Perspective**	
	None
☐ **Race & Ethnicity**	
	None
Intellectual & Scholarly Growth:	
WRI 101 (if required)	None
WRI 102 (if required)	None
Writing Intensive Courses: 3	
FSP First Seminar	None
Other	None
STA 498 Capstone	None
☐ **Information Literacy** On-Line Library	
☐ **Second Language** Demonstrated proficiency at the Low-Intermediate Level (0-3 Courses Based on Placement)	
	None
	None
	None
☐ Not Applicable	
Electives 3 Courses	
	None
	None
	None
	None
	None
	None
Placement Deficiencies Met With	
☐ Not Applicable	
☐ Math	None
☐ Verbal	None

Evaluator Approval: