Data Science Specialization Requirement Checklist

(For students declaring the specialization on or after Fall 2020)

Each line represents a major or correlate requirement for the Data Science specialization. Please check off the requirements as completed and indicate which courses are satisfying them. Please note that these requirements do not include TCNJ's liberal learning and language requirements.

L.	Require	ed Core Courses:	
	a.	MAT 128: Calculus B	
	b.	MAT 200: Proof Writing Through Discrete Mathematics	
	c.	MAT 205: Linear Algebra	
	d.	MAT 229: Multivariable Calculus	
	e.	MAT 275: Sophomore Seminar	
	f.	MAT 341: Computational Mathematics	
	g.	STA 215: Statistical Inference	
	h.	STA 305: Regression Analysis	
	i.	STA 306: Multivariate Statistics	
	j.	STA 307: Data Mining	
	k.	STA 370: Statistical Software Development	
	l.	STA 404: Computational and Bayesian Statistics	
	m.	STA 498 Capstone	
2.	MAT/S	TA Options: Two additional course units	
	a.	MAT/STA: Course with number 300 or above*	Course taken:
	b.	MAT/STA: Course with number 300 or above*	Course taken:
		*At most one course unit of courses numbered 39x or 49x (not counting the Capstone) may
		be counted towards the major.	
3.	Correla	orrelate requirements:	
	a.	Computer Science Requirements:	
		iCSC 220	
		iiCSC 230	
	b.	Lab Science Requirement (one course unit, check one):	
		 iBIO 201 Foundations of Biological Inquiry 	
		iiCHE 201 General Chemistry I	
		iii. PHY 201 General Physics I	
		* Or any lab course in Biology, Chemist	ry, or Physics numbered 200 or
		higher approved by the department	