

## 2017-2018 Non-ECE Technical Electives

AREA	FAMU	FSU	AREA OF INTEREST			
			EM	DIGITAL SYS./ COMPUTERS	CIRCUITS/ ELECTRONICS	SYSTEMS/ COMMUNICATIONS
<b>PHYSICS</b>	PHY 3101 Modern Physics (4)	PHY 3101 Inter.Modern Physics (3)	X		X	
	PHY 3424C Modern Optics (4)	PHY 3424 Optics (3)	X		X	
	PHY 4523 Statistical Physics (3)				X	
	PHZ 3113 Math. Methods in Phys. (3)	PHZ 3113 Math. Methods in Phys. (3)	X		X	
<b>COMPUTER</b>		CAP 4730 Computer Graphics (3)	X	X		
	COP 3530 Program, Data & File Stru (3)	COP 4530 Data Struc., Alog., and Prog. (3)		X		
	COT 3100 Discrete Structure I (3)			X		
<b>MATH</b>	MAA 4402 Complex Variables (3)	MAA 4402 Complex Variables (3)	X			
	MAA 4211 Advanced Calculus I (3)		X			
		MAA 4224 Intro to Analysis (3)			X	
		MAD 2104 Discrete Mathmatics I (3)		X		
	MAD 3401 Numerical Analysis (3)	MAD 3703 Numerical Analysis I (3)	X			
	MAD 4203 Combinatorial Analysis (3)			X		
		MAP 4153 Vector Calc. w/ Intro Tensors (3)	X			
		MAP 4341 Elem. Partial Diff Equations I (3)	X			
		MAS 4106 Applied Linear Algebra II (3)	X	X	X	X
	MAS 4203 Intro to Number Theory (3)	MAS 4203 Theory of Numbers (3)		X	X	
	MAS 4301 Abstract Algebra I (3)	MAS 4302 Intro to Abstract Algebra I (3)		X	X	
MTG 4302 Elementary Topology (3)	MTG 4302 Elementary Topology (3)			X		
<b>STATISTICS</b>	STA 3034 Mathematical Statistics (3)	SAT 3024 SAS for Data and Stat. Analy. (3)	X			X
	STA 4603 Operations Research (3)			X		
<b>ENGINEERING</b>	EIN 3391 Engineering Management (3)	EIN 3401 Engineering Management (3)	X	X	X	X
	ECH 4937 - Electrochemical Eng. (3)	ECH- 4937 Electrochemical Eng. (3)			X	
	EIN 4936 - Tech Entrepr & Commerc	EIN 4936 - Tech Entrepr & Commerc	X	X	X	X