FALL													S P	RI	NG
1 st Year MATH	Calaulus Luu/Lahamatam	Prerequisites	Subs	Ar	Cr	Sem	Gr	NAATU 2242	Calandra II/I ab anatan	Prerequisites	Subs		Cr	Sem	Gr
1441 ENGL	Calculus I w/ Laboratory			Α	4			MATH 2242	Calculus II w/ Laboratory	MATH 1441-CoB		D	4		
1101	Composition I			Α	3			ENGL 1102	Composition II	ENGL 1101-CoB		Α	3		
ENGR 1133	Engineering Graphics			F	3			PHYS 2211	Principles of Physics 1	MATH 1441-CoB		D	4		
CHEM 1147	Comprehensive General Chemistry w/ lab		Note 1	F	4			HIST 2110	The United States: A Comprehensive Survey			Е	3		
FYE 1220	First Year Seminar			U	2			MFGE 2531	Material Science Studio for MfgE	CHEM 1147-CoB or CHEM 1146-CoB			3		
MENG 1310	MFG Processes Lab				1			FYE 1410	Global Citizen	FYE 1220		В	1		
	HEM 1145 and CHEM 1146				17			CoB - Prerec	uisite completed with a grade	e of C or Better			18	U Company	
2 nd Year	T	Prerequisites	Subs	Ar	Cr	Sem	Gr	. ——	1	Prerequisites	Subs	Ar	Cr	Sem	Gr
STAT 2231	Intro to Statistics I	MATH 1441-CoB		F	3			MFGE 2534	Applied Computing in MFGE	ENGR 1133-CoB MENG 1310-CoB			3		
PHYS 2212	Principles of Physics II	PHYS 2211-CoB		F	4			MFGE 2239	Engineering Modeling and Mathematical Analysis	STAT 2231-CoB co-MENG 2139			3		
MFGE 2142	Fundamentals of Engineering Mechanics	MATH 2242-CoB PHYS 2211-CoB		F	4			MENG 2139	Numerical Methods in Engineering	MATH 2242-CoB			3		
MFGE 2533	MFG Processing 2 Studio	MENG 1310-CoB MFGE 2531-CoB			3			ENGR 2131	Electronics & Circuits Analysis	PHYS 2212-CoB co-MENG 2139			3		
HLTH 1520	Healthful Living	WII GE 2331 COB		U	2			ENGL 2111 or 2112	Lit/Humanities	ENGL 1102-CoB		С	3		
<u> </u>					16	I	ı	MFGE 2421	Intro to Additive Mfg	ENGR 1133-CoB MFGE 2142-CoB		F	2		
										WII GE 2142-COB			17		
3 rd Year		Prerequisites	Subs	Ar	Cr	Sem	Gr			Prerequisites	Subs	Ar	Cr	Sem	Gr
MFGE	Design for	MFGE 2142-CoB							Quality and Statistical						
3131	Manufacturability, Assembly, Sustainability	MFGE 2421-CoB MFGE 2533-CoB			3			MFGE 3132	Process Control for Engineers	MFGE 2239-CoB			3		
MFGE 3541	Energy Science Studio (Fluids/Thermo/Hxt)	PHYS 2211-CoB MATH 2242-CoB			4			MFGE 3337	Hydraulics and Electro-	ENGR 2131-CoB MFGE 3541-CoB			3		
3341	(Hulus) Hiermoynixe)	WATTI 2242 COD							mechanical Systems	MFGE 3421-CoB					
MFGE 3421	Industrial Controls and Networking Studio	ENGR 2131-CoB MFGE 2534-CoB			2			MFGE 3423	Facilities Design	MFGE 2533-CoB			2		
MFGE 3531	Adv Materials Process Studio	ENGR 1133-CoB MFGE 2142-CoB			3			POLS 1101	Intro. to American Gov't			Е	3		
ECON 2105	Economics			E	3				SACS Free Elective *MFG Technical Track Recommendation				3		
KINS 1xxx	Physical Activity			U	1			KINS 1xxx	Physical Activity				1		
4 th Year		Prerequisites	Subs	Ar	16 Cr	Sem	Gr			Prerequisites	Subs	Ar	15 Cr	Sem	Gr
MFGE 4321	Manufacturing Engineering Capstone I	Note 4a			2			MFGE 4322	Manufacturing Engineering Capstone II	MFGE 4135-CoB MFGE 4321-CoB MFGE 4533-CoB			2		
MFGE 4533	Industrial Robotics and Automation	MFGE 2142-CoB MFGE 3337-CoB MFGE 3421-CoB			3			MFGE 4614	Senior Seminar: Professional Skills and Leadership	Note 4c			1		
MFGE 4135	Lean MFG Principles and Engineering Project Management	MFGE 3132-CoB			3			see reverse	MFG Technical Track				6		
see reverse	MFG Technical Track				3			Note 4d	Social Science Elective			Е	3		
HIST 1112	World History II			В	3			Note 4e	Environmental Sci w/Lab			D	4		
Note 4b	Fine Art Elec/Humanities			С	3 17				GE 2122 COR MEGE 2//21 COR				16		

Note 4a: MFGE 3131-CoB, MFGE 3132-CoB, MFGE 3337-CoB, MFGE 3541-CoB

Note 4b Option 1: ART 1000, COMM 1110, HUMN 2433, HUMN 2434, MUSC 1100, PHIL 1030, RELS 2130, THEA 1100, FORL 100x or 200x Option 2: HUMN 2321 and HUMN 2322

Note 4c: MFGE 3132-CoB, MFGE 3421-CoB, MFGE 3531-CoB, MFGE 3541-CoB, MFGE 2421-CoB, MFGE 3131-CoB

Note 4d: ANTH 1102 or GEOG 1130 or PSYC 1101 or SOCI 1101

Note 4e: PHYS 1149 or CHEM 1040 or BIOL 1230 W/1210, or GEOL 1340 or University approved transfer substitution

Manufacturing Engineering Technical Tracks (choose 1 track for 9 credits total)

SAP Option (Choose 9 credits as Recommended MFGE Technical Track)

SAI Option (choose 5 creates as recommended in de recimical mack)							
CISM 4237	Business Intelligence	see catalog			3		
CISM	Human Resources	see catalog			3		
4333 CISM 4334	Information Systems ERP Systems Using SAP	see catalog			3		
CISM 4335	ABAP Programming for SAP	see catalog			3		
CISM 4336	ERP and Enterprise Performance	see catalog			3		
CISM 4434	Enterprise System Configuration	see catalog			3		
CISM 4435	ERP Web Portal Cutomization and Collaboration using SAP NetWeaver	see catalog			3		

Occupational Health and Safety Option (Choose 9 credits as Recommended MFGE Technical Track)

TSEC 5336	Environmental Law		3	
TSEC 5333	Industrial Hygiene and Ergonomics		3	
TSEC 5334	Hazardous Waste		3	
TSEC 5335	Systems Safety in Manufacturing		3	
TSEC 5331	Occupational Safety and Environmental Compliance		3	

Lean and Six Sigma Green Belt Option (Choose 9 credits as Recommended MFGE Technical Track)

TMAE	Lean World Class	MENG 3333-CoB		2	
5134	Manufacturing	MFGE 3531-CoB		3	
MFGE	Lean and Six Sigma Green	MFGE 3132-CoB		2	
5131	Belt-1	IVII GE 3132-COB		3	
MFGE	Lean and Six Sigma Green	MFGE 5131-CoB		2	
5132	Belt-2	IVII GE 3131-COB	1	د ا	1

Manufacturing Automation Option (Choose 9 credits as Recommended MFGE Technical Track)

MFGE 5238	Faciltiies Maintenance	MFGE 3337-CoB MFGE 3423-CoB MFGE 4533-CoB		3	
MFGE	Additive Manufacturing	MFGE 2421-CoB		1	
5333	Studio	MFGE 3131-CoB	3		
MENG	Automation and CIMS	Note 5		2	
5331	Automation and Civis	Note 5		э	

Note 5: ENGR 1133-CoB and ENGR 1731-CoB or MFGE 2534-CoB and MENG 3333-CoB or MFGE 2533-CoB

Materials Processing Option (Choose 9 credits as Recommended MFGE Technical Track)

MENG 5138	Composite Materials: Manufacturing, Analysis and Design	Note 6		3	
MFGE 5535	NanoManufacturing	MFGE 3531-CoB MENG 5138-CoB		3	
MFGE 5534	Packaging	MFGE 3531-CoB MENG 5138-CoB		3	

Note 6: MENG 3135-CoB OR MFGE 3131-CoB AND MENG 3333-CoB OR MFGE 3531-CoB

MFGE General Option (Choose 9 credits from courses making up any of the other option(s))

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			3	
			3	
			3	

Note: An appropriate supervised practicum experience or special topic course (MFGE 4890 or 4090) can be substituted for one technical elective with the advanced approval of the department chair.

- (1) The advisement philosophy of the Georgia Southern University, as stated in the catalog is as follows: "Georgia Southern University accepts the premise that ultimately a student's program is his or her own responsibility".
- (2) The catalog also states that one of the requirements for graduation is that the total insitutional GPA of all courses applying for the degree must be 2.0 or greater.
- (3) Degree/Graduation clearance must be completed at least three semesters before your intended graduation date. Failure to do so may result in a delay in graduating.
- (4) The statements set forth in the University Catalog and this checksheet are for information purposes only and should not be construed as the basis of a contract between the students and this institution. While the provisions of this checksheet and the catalog will ordinarily be applied as stated, Georgia Southern University reserves the right to change any provision listed herein, including but not limited to academic requirements for graduation. While this checksheet is a reasonably correct tool, the university catalog is the differed to resource for any discrepencies.
- (5) Co-requisite and pre-requisite changes are effective immediately upon approval of the curriculum committee. Students having completed a course prior to its pre-req changing are not required to retake the course (and its new pre-req) if they no longer satisfy the new pre-req(s).

I hereby acknowledge by signing below, that I have read, understand and agree to the five (5) statements above.							
_	Signature		Date				