Purdue Graduate Certificate Plan of Study COMPUTER-AIDED MECHANICAL ENGINEERING

			Depar	tme	ent of Mechanical Engi	ineering, IUPUI CAMPU	IS			
Last Name				First Name IUID			PUID			
Α.Ι.								CNID	LINI TD	
Admit Term Expected Grad T				erm Other Certificate Grad Degree O				Other Reg type: GND, UN, TR		
Degree Requirements										
Degree Requirements								12	-	
Total number of graded credits required								12		
Minimum grade for any course applied to certificate								С		
Minimum GPA								3.0		
Maximum transfer credits								3		
								6		
Maximum credits taken prior to enrollment in certificate program										
Maximum undergraduate-level courses								Zero		
Completion of certificate requirements								3 years		
Course Substitution Exceptions may be approved by the ME Graduate Education Committee										
Courses may apply toward a graduate degree program but may not be used for credit toward another certificate program.										
Required Courses										
· · · · · · · · · · · · · · · · · · ·	T		Number	Cou	rse Title		Cradita	Grado	MS*	
Sem	Year	Subj ME	Number 55100				Credits	Grade	IVI3	
			-		te Element Analysis	ad Applications				
ME 54600 CAD/CAM Theory and Advanced Applications Electives (Choose 2)										
		-	Number	Cau	rse Title		Cradita	Crado	MS*	
Sem	Year	Subj	Number				Credits	Grade	IVI3	
		ME	50000	Advanced Thermodynamics Intermediate Heat Transfer						
		ME	50500	Intermediate Fluid Mechanics						
		ME	50900	Gas Dynamics						
		ME	51000			n fan Candia.	_			
		ME	52000			n for Cardiovasc Assessment				
		ME	52500	Combustion Model-based Systems Engineering						
		ME	53503	Systems Driven Product Development						
		ME	53504	-		opment				
		ME	55000		anced Stress Analysis					
		ME	55800		nposite Materials					
		ME	56300		chanical Vibrations chanical Behavior of Mater	iala				
		ME	56900	Numerical Methods in Mechanical Engineering						
		ME ME	58100 59100							
			59700	Mechanical Engineering Projects Composite Materials for Automotive Applications						
		ME ME	60101	Computational Modeling of Turbulence						
		ME	60601	Optimal Design of Complex Mechanical Systems						
			61400	Computational Fluid Dynamics						
		ME	65100							
ME 65100 Advanced Finite Element Method for Solids Dept approved course substitution(s)										
JEIII	ıcal	Jubj	MAILINEI	CUL	ii se Tiue		Credits	Grade	MS*	
Substituting for:										
*Check box if course will apply to MS degree										
Check box ii course wiii appriy to ivis degree										
Graduate Program Director/Advisor Signature Date										
		Gr	aduate Offi		Date					
Graduate Office Approval							Date			