MASTER OF SCIENCE IN BIOLOGICAL ENGINEERING

DEGREE CHECK FORM

Name: Last, First, Middle	ID Number	Grad	uate Acadei	mic Advisor
	ID HAITIBUT	Siau	dato / todato	ino / tavisoi
ADMISSION BASIS: ABET Engineering				
Degree:				
Other Degree:	gree	School		
(If Student has ABET	Degree accredited BS Engineering		^{chool} o Part II.)	
I. BASIC ENGINEERING EDUCATION:	:		·	
A. MATHEMATICS (minimum of 16 ser	mester hours of calculus an	nd differential equ	ations).	
Course Subject	School	•	Credit	Grade
	OTAL NAATU			
10	OTAL MATH			
 B. BASIC ENGINEERING TOPICS (Ch table below: Electronics, Circuits, I Materials) Minimum of 6 hours. A m requirement. 	Fluid Mechanics, Thermo	dynamics, Statio	cs, Mechan	ics of
		Cred		
Course Subject	School	Course	Design	Grade
Total Course Credite	Total Design		_	
Total Course Credits	Total Desigr Credits	1		
Total Course Credits	Total Desigr Credits			
II. BIOLOGICAL ENGINEERING BREA	Credits LDTH REQUIREMENTS (C	hoose from the fo		
II. BIOLOGICAL ENGINEERING BREA the courses chosen in the table below: E	Credits Credits Colored Colo	hoose from the fo	nd Cell Engi	neering,
II. BIOLOGICAL ENGINEERING BREATHE courses chosen in the table below: Entroduction to Bioinformatics, Modeling Design, Reaction Kinetics, Reactor Design, Reaction Kinetics, Reactor Design, R	Credits OTH REQUIREMENTS (Classion edical Engineering Pringle of Physiological Systems, esign, Bioprocess Engine	hoose from the fonciples, Tissue ar Transport Phenoering, Biosenso	nd Cell Engi omena, Med ors, Signal/I	neering, chanical mage
II. BIOLOGICAL ENGINEERING BREA the courses chosen in the table below: E Introduction to Bioinformatics, Modeling Design, Reaction Kinetics, Reactor De Processing, Control Systems/Theory,	Credits Credits Credits Control Con	hoose from the fonciples, Tissue ar Transport Pheno Pering, Biosenso	nd Cell Engilomena, Medors, Signal/I	neering, chanical mage rties of Biol.
II. BIOLOGICAL ENGINEERING BREATHE courses chosen in the table below: Entroduction to Bioinformatics, Modeling Design, Reaction Kinetics, Reactor Deprocessing, Control Systems/Theory, Materials, Engineering Statistics/Prob	Credits ADTH REQUIREMENTS (Classification of Physiological Systems, Pesign, Bioprocess Engine Bio-MEMS, Bioinformation ability, Biomechanics, University (Classification)	hoose from the fonciples, Tissue are Transport Phenotering, Biosensons, Instrumentations, I	nd Cell Engilomena, Medors, Signal/I sion, Propel Risk Analys	neering, chanical mage rties of Biol. ses,
II. BIOLOGICAL ENGINEERING BREATH the courses chosen in the table below: Entroduction to Bioinformatics, Modeling Design, Reaction Kinetics, Reactor Deprocessing, Control Systems/Theory, Materials, Engineering Statistics/Prok Hydrology, Ecological Engineering Deat least one of the courses should be experienced.	Credits ADTH REQUIREMENTS (Claim of Physiological Systems, esign, Bioprocess Engine, Bio-MEMS, Bioinformatic bability, Biomechanics, Unesign) Choose a minimum	hoose from the for nciples, Tissue ar Transport Pheno eering, Biosenso cs, Instrumentat nit Operations, I of 12 hours and	nd Cell Engi omena, Mec ors, Signal/l tion, Prope Risk Analys a maximum	neering, chanical mage rties of Biol. ses, of 18 hours.
II. BIOLOGICAL ENGINEERING BREATH the courses chosen in the table below: Entroduction to Bioinformatics, Modeling Design, Reaction Kinetics, Reactor Deprocessing, Control Systems/Theory, Materials, Engineering Statistics/Problems/Tology, Ecological Engineering Designation	Credits ADTH REQUIREMENTS (Claim of Physiological Systems, esign, Bioprocess Engine, Bio-MEMS, Bioinformatic bability, Biomechanics, Unesign) Choose a minimum	hoose from the for nciples, Tissue ar Transport Pheno eering, Biosenso cs, Instrumentat nit Operations, I of 12 hours and	nd Cell Engi omena, Mec ors, Signal/l tion, Prope Risk Analys a maximum	neering, chanical mage rties of Biol. ses, of 18 hours.
II. BIOLOGICAL ENGINEERING BREATH the courses chosen in the table below: Entroduction to Bioinformatics, Modeling Design, Reaction Kinetics, Reactor Deprocessing, Control Systems/Theory, Materials, Engineering Statistics/Prok Hydrology, Ecological Engineering Deat least one of the courses should be experienced.	Credits ADTH REQUIREMENTS (Claim of Physiological Systems, esign, Bioprocess Engine, Bio-MEMS, Bioinformatic bability, Biomechanics, Unesign) Choose a minimum	hoose from the for nciples, Tissue ar Transport Pheno eering, Biosenso cs, Instrumentat nit Operations, I of 12 hours and	nd Cell Engilomena, Medors, Signal/licion, Propel Risk Analys a maximum d for credit v	neering, chanical mage rties of Biol. ses, of 18 hours.

	Total Course Credits Total Design Credits			
least 30)	ENGINEERING GRADUATE COURSEWORK (Sum of ho (minimum of 13 hours coursework)	ours under	III.a and III.b	must be at
Core Courses (min	imum of 16 hours)			
Course	Subject (Credit hours)	Design		ngr Grade opics
BENG 5103**	ADVANCED INSTRUMENTATION (3)			
BENG 5703**	DESIGN AND ANALYSIS OF EXP FOR ENGR RESEARCH			
BENG 5933 /BENG5203**	MODELING XXXXX			
BENG 5801*	Graduate Seminar (1)			
XXXX 5XXX	Advanced Science Course*** (3)			
XXXX 5XXX	Advanced Science Course*** (3)			
b. <u>Specializati</u>	from the courses approved by the student's graduate advisor on (minimum of 14 hours of which 6 can be thesis hours. A minigineering prefix, i.e. BENG, CENG, ELEG, CHEG, CVEG, INEG.	imum of six , MEEG)		rse work must
All	Students must select one of the following are Bioresource Engineering Ecological Engineering Biotechnology Engineering courses must be approved by the student's graduate advise		iittee.	
Course	Subject (Credit hours)	Design	Teamwork	Grade
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TOTAL HOURS OF ENGINEERING TOPICS	
(Basic Engineering [I.d.] +Breadth [II] + Graduate Engineerin (Minimum course work of 48 hours of engineering to	
TOTAL HOURS OF GRADUATE COURSE WORK (Must be at least 30)	
TOTAL HOURS OF 5000 LEVEL OR ABOVE BENG COURSE WORK (Must be at least 10)	
TOTAL HOURS AT 5000 LEVEL OR ABOVE (Must be at least 12 excluding thesis hours)	
Thesis option – Thesis Title:	
Thesis Approved	(Thesis advisor)
Journal Manuscript Approved	(Thesis Advisor)
Non-Thesis option – Master's Report title:	
Report approved:	(Graduate advisor)
Approved for degree:	
Chair of Biological Engineerin	g Studies