

Applied Mathematics - Ph.D. Study Advisory Plan

Name: _____ Application Area: Bioengineering

COURSES WITH MATHEMATICAL CONTENT: 18 credits

(3 credits Numerical Analysis)

Semester	Course #	Title	Grade	Credits	Comment
	MATH630	Real Analysis I		3	
	MATH660	Complex Analysis I		3	
	AMSC673	PDEs I		3	
	AMSC674	PDEs II		3	
	AMSC666	Numerical Analysis I		3	
	AMSC667	Numerical Analysis II		3	

Number of mathematical content credits: 18

APPLICATION COURSES: 6-9 Credits

Semester	Course #	Title	Grade	Credits	Comment
	BIOE601	Biomolecular and Cellular Rate Processes		3	
	BIOE604	Cellular and Physiological Transport Phenomena		3	

Number of applications courses credits: 6

ELECTIVES: (3 courses/9 credits)

Semester	Course #	Title	Grade	Credits	Comment
	NACS642	Cognitive Neuroscience		4	
	NACS643	Computational Neuroscience		4	
	MATH648M	Advanced Analytic Methods and Applications		3	

Number of elective credits: 11

SEMINAR (2 credits)

	AMSC 689	RIT on Applied PDEs		1	
	AMSC 689	RIT on Deep Learning		1	

Number of seminar credits: 2

Total number of credits (must be at least 36): 37

WRITTEN EXAMS:

DATE PASSED

1.	
2.	
3.	
Course Work Based Exams:	
ORAL (CANDIDACY) EXAM:	Semester/Yr

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Dissertation Research: 12 Credits NOTE: Please Attach Comments, Transfer Courses, etc.

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AMSC Study Advisory Committee:

(Your signature indicates approval of the student's Study Advisory Plan)

1. _____ (Chair)
Name (AMSC Faculty – Math/Application) Signature Date

2. _____
Name (AMSC Faculty – Math) Signature Date

3. _____
Name (AMSC Faculty – Application) Signature Date

AMSC Graduate Committee Approval _____ **Date** _____

Proposed Changes/Comments:

- _____ Committee Member Not AMSC Faculty
- _____ Insufficient Math Content
- _____ Core Science Course(s) Not Acceptable
- _____ Supporting Courses Not Appropriate
- _____ Other - _____

Comments: _____

