Bachelor of Science – Student entering 2017 Fall
Study Plan   Application for Candidacy (check one)

Name_____ ID:_____ Class:_____ Box S-_____ Email:_____

Major Concentration Field: Pure and Applied Mathematics   Secondary Concentration Field:_____

Please print or type. The primary purpose of this form is to lay out the courses required to complete your degree program and when you expect to take each of them. You may then use it to track your own progress to the degree. You should revise it as needed. Please indicate the term when you expect to take each course (e.g., 2015F, 2016S, etc.). Roman numerals indicate the standard curriculum time schedule. If a choice of course is given for the requirement, circle the appropriate course number. For electives, fill in the course number. Any course taken elsewhere should be marked TR. An additional study plan will be required if any of you wish to receive a minor or a second degree.

Term	Course	Credits	Grade
	TERM I		
_____	CH 115 General Chemistry I	3.0	_____
_____	CH 117 General Chemistry Lab I	1.0	_____
_____	PEP 111 Mechanics	3.0	_____
_____	CS 105 Intro to Scientific Computing **or**	3.0	_____
	CS 115 Intro to Computer Science		
_____	MA 121 Differential Calculus	2.0	_____
_____	MA 122 Integral Calculus	2.0	_____
_____	CAL 103 *Writing & Communication Colloq.*	3.0	_____
	or CAL 105 *Knowledge, Nature, Culture*		
	TERM II		
_____	CH 116 General Chemistry II	3.0	_____
_____	CH 118 General Chemistry Lab II	1.0	_____
_____	BIO 281 Biology and Biotechnology	3.0	_____
_____	MA 123 Series, Vectors, Functions and Surfaces	2.0	_____
_____	MA 124 Calculus of Two Variables	2.0	_____
_____	PEP 112 Electricity and Magnetism	3.0	_____
_____	CAL 105 *Knowledge, Nature, Culture*	3.0	_____
	or CAL 103 *Writing & Communication Colloq.*		

Term	Course	Credits	Grade
	TERM III		
_____	BT Economics[6]	3.0	_____
_____	MA 221 Differential Equations	4.0	_____
_____	PEP 221 Physics Lab I for Scientists	1.0	_____
_____	GE[3]_____	3.0	_____
_____	Humanities[1]_____	3.0	_____
	TERM IV		
_____	MA 227 Multivariable Calculus	3.0	_____
_____	MA 222 Probability and Statistics	3.0	_____
_____	PEP 222 Physics Lab II for Scientists	1.0	_____
_____	Thermodynamics[5]_____	3.0	_____
_____	Humanities[1]_____	3.0	_____

PE Required Courses[7]

Term	Course	Credits	Grade	Term	Course	Credits	Grade
____	PE 200_____	PE	___	____	PE 200_____	PE	____
____	PE 200_____	PE	___	____	PE 200_____	PE	____

Original   Revision   2nd Degree

Student Signature: _____ Date:_____

Faculty Advisor Signature: _____ Date:_____

UG Records Auditor: _____ Date:_____

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Term	Course	Credits	Grade	Term	Course	Credits	Grade
	TERM V				**TERM VII**		
_____	MA 232 Linear Algebra[4]	3.0	_____	_____	MA 410 Differential Geometry[4]	3.0	_____
_____	MA 331 Intermediate Statistics[4]	3.0	_____	_____	MA 441 Intro to Mathematical Analysis[4]	3.0	_____
_____	Humanities[1]_____	3.0	_____	_____	Technical Elective[2]_____	3.0	_____
_____	Technical Elective[2]_____	3.0	_____	_____	Humanities[1]_____	3.0	_____
	TERM VI				**TERM VIII**		
_____	MA 336 Modern Algebra[4]	3.0	_____	_____	Humanities[1]_____	3.0	_____
_____	MA 346 Numerical Methods[4]	3.0	_____	_____	GE[3]_____	3.0	_____
_____	MA 234 Complex Variables with Applications[4]	3.0	_____	_____	Technical Elective[2]_____	3.0	_____
_____	PEP 242 Modern Physics	3.0	_____	_____	Technical Elective[2]_____	3.0	_____
_____	Humanities[1]_____	3.0	_____	_____	Technical Elective[2]_____	3.0	_____

Notes:

1. Humanities Requirement -   Six additional humanities classes. At least one must
be at the 100 or 200 level, at least one must be at the 300 or 400 level,
 and courses must cover at least two different disciplines within CAL.

2 . Technical Elective. Pre-approved choices include (Fall: MA 134, 360, 450, 498),
(Spring: MA 134, 230, 335, 361, 442, 499), MA 463, 503, 560. Other courses may be
used with advisor's approval.

3. General Education Electives – Chosen by the student – can be any approved 3 or
4 credit course used towards a minor, major concentration, research,
independent study, language courses, or a course taken during an international
experience.

4. These are the Core technical courses specific to the Pure and Applied
Mathematics program.

5. Thermodynamics can be either CH 321 or E 234.

6. Economics can be either BT 243 (Macro) or BT 244 (Micro). The second
Economics course can be used as a upper-level humanities elective.

Additional Courses

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

7. PE Requirement- All students must complete a minimum of four semesters of Physical Education (P.E.)
in noni repeating courses. No credit or grades are awarded for P.E. classes. Participation in varsity sports
may be used to satisfy up to three credits of the P.E. requirement.

Original   Revision   2nd Degree

Student Signature: _____ Date:_____

Faculty Advisor Signature: _____ Date:_____

UG Records Auditor: _____ Date:_____

Revised August 2017