

1.2 Students will attain skill in linear algebra	Successful performance on HW, exams, and projects	MATH 212 HW, exams, & projects	Answer keys and instructor evaluation of written projects	70% received C or higher	Faculty files
1.3 Students will appreciate theoretical aspects of math	Successful performance on exams and individual research projects	MATH 267, 312, 313 exams and individual research projects	Answer keys and instructor evaluation of written proofs	70% received C or higher	Faculty files
1.4 Students will apply math	Successful performance on exams, labs, and projects in applied courses	CS 131, 132, MATH 213, 251, 300, 301, 305, PHYS 111L, 212L (or any PHYS course) exams, labs, and projects	Answer keys and instructor evaluation of written results	70% received C or higher	Faculty files
1.5 Students will acquire competency with technology	Successful use of various computer packages and lab materials	CS 131, 132, MATH 251, 300, 301, 305, PHYS courses packages and lab materials	Easily evaluated computation results	70% received C or higher	Faculty files

Goal 2 – Students will acquire depth of knowledge in some aspect of mathematics					
Objective	Outcome	How Outcome is Measured	Measurement Tool	Success Criteria	Data Location
2.1 Students will show depth in a particular direction within mathematics	Students will acquire such knowledge through advised choice of topics in a specific direction such as applied or theoretical math, including statistics, CS, or Physics	Exams and projects in CS, MATH, or PHYS courses that lie within such areas	Answer keys and instructor evaluation of written projects and labs	70% received C or higher	Faculty files
2.2 Students will implement an independent project relevant to MPS subjects, being theoretical or applied, within any of the areas	Students will explore, choose, and follow through on a project of individual importance but approved and	Faculty, more than one, feedback and approval on continuing and final work.	Final evaluation by the entire MPS faculty on individual theses and presentations	70% received C or higher; 10% or more received distinction	Faculty files

	shepherded by faculty				

Goal 3 – Students will communicate clearly about mathematical and other technical matters					
Objective	Outcome	How Outcome is Measured	Measurement Tool	Success Criteria	Data Location
3.1 Students demonstrate effective written communication.	Students use, evaluate, and appropriately cite the scientific literature to communicate the results of scientific investigations in papers and posters.	MATH 390, MPS 402, MPS 403, all 200-level and especially 300-level courses	Progress reports, final theses, intermittent responses	70% receive C or higher	Faculty files

