

SOUTHERN UTAH UNIVERISTY
PURE MATHEMATICS PROPOSED 4-YEAR SCHEDULE 2017-18

FALL 1st YEAR					SPRING 1st YEAR				
			offered	credits				offered	credits
MATH	1210	<i>Calculus I</i>	F/S/M	4	PS GE		<i>(PHYS 2210/2215 Strongly recommended)</i>	F/S	5
ENGL	1010	<i>Intr to Academic Writing</i>	F/S/M	3	MATH	1220	<i>Calculus II</i>	F/S	4
CSIS	1000	<i>Intro to Computers & Internet</i>	F/S/M	3	CSIS	1400	<i>Fundamentals of Programming</i>	F/S	3
LM	1010	<i>Information Literacy</i>	F/S/M	1	ENGL	2010	<i>Intermediate Writing</i>	F/S/M	3
		<i>GE Knowledge Area Course</i>		3					
EDGE	1010	<i>Becoming an Engaged Learner</i>	F/S	1					
TOTAL:				15	TOTAL:				15
FALL 2nd YEAR					SPRING 2nd YEAR				
			offered	credits				offered	credits
MATH	2270	<i>Linear Algebra with Applications</i>	F/S	3	MATH	3120	<i>Transition to Advanced Mathematics</i>	S	3
MATH	2210	<i>Calculus III</i>	F/S	4	MATH	2280	<i>Differential Equations</i>	S	3
		<i>GE Knowledge Area Course</i>		3	EDGE	30XX	<i>Project Proposal and Planning</i>	F/S	1
		<i>Free Elective</i>		3			<i>GE Knowledge Area Course</i>		3
		<i>Free Elective</i>		3			<i>GE Knowledge Area Course</i>		3
							<i>Free Elective</i>		3
TOTAL:				16	TOTAL:				16
FALL 3rd YEAR					SPRING 3rd YEAR				
			offered	credits				offered	credits
MATH	3700	<i>Probability & Statistics</i>	F/S	4	MATH	4230	<i>Abstract Algebra II</i>	S-even	3
MATH	4220	<i>Abstract Algebra I</i>	F	3	MATH	up div	<i>Approved Upper Div Course</i>		3
MATH	up div	<i>Approved Upper Div Course</i>		3	MATH	up div	<i>Approved Upper Div Course</i>		3
MATH	up div	<i>Approved Upper Div Course</i>		3			<i>Free Elective</i>		3
		<i>Free Elective</i>		3			<i>American Institutions Course</i>	F/S/M	3
TOTAL:				16	TOTAL:				15
FALL 4th YEAR					SPRING 4th YEAR				
			offered	credits				offered	credits
MATH	4400	<i>Advanced Calculus I</i>	F	3	MATH	4580	<i>Complex Analysis</i>	S odd yrs	3
MATH	up div	<i>Approved Upper Div Course</i>		3	MATH	4410	<i>Advanced Calculus II</i>	S-odd	3
	up div	<i>Free Elective</i>		3	EDGE	40XX	<i>Project Reporting and Reflection</i>	F/S	1
		<i>Free Elective</i>		3		up div	<i>Free Elective</i>		3
		<i>Free Elective</i>		3			<i>Free Elective</i>		3
TOTAL:				15	TOTAL:				13

Must take Math 1050 (College Algebra) and Math 1060 (Trigonometry) as pre-req for MATH 1210

Upper Division Math Electives for Pure Math Majors				
class	#		taught	pre req
MATH	3130	Modern Geometries	S	MATH 3120
MATH	3160	Number Theory	F-odd	MATH 3120
MATH	3500	Actuarial Math	S-even	MATH 1210
MATH	3600	Numerical Analysis	S-even	MATH 2270
MATH	3770	Mathematical Modeling	S-odd	MATH 3700
MATH	3800	Partial Differential Equations	F-odd	MATH 2280
MATH	4230	<i>Abstract Algebra II</i>	S-even	MATH 4220
MATH	4340	Topology	F-even	MATH 3120
MATH	4410	<i>Advanced Calculus II</i>	S-odd	MATH 4400
		one is required the other can be elective		