Mathematics

Total Credits: 42+

Department Chair: Professor Antonella Marini

marini@yu.edu

Find the Website [here](#)

Specialization in Pure
and Applied Mathematics
7 R W D O   & U H G L W V

REQUIRED COURSES   F R X U V H V   F U H G L W V

Course #	Course Name	Credits
0 $ 7 +	Calculus I	
0 $ 7 +	Calculus II	
MATH 1510	Multivariable Calculus	
0 $ 7 +	$ G Y D Q F H G & D O F X O X V	
0 $ 7 +	/ L Q H D U $ O J H E U D	
0 $ 7 +	Probability Theory	
0 $ 7 +	2 U G L Q D U \ ' L I I H U H Q W L D O (T X D W L R Q s MAT 5201	

ELECTIVES   / H Y H O   R U   K L J K H U   F R X U V H V   F U H G L W V

Recommended courses include

- 0 $ 7 +
- 0 $ 7 +   R U   0 $ 7
- 0 $ 7 +   R U   0 $ 7
- 0 $ 7 +   R U   0 $ 7
- 0 $ 7 +   R U   0 $ 7

CORRELATES   F R X U V H V   F U H G L W V

& K R V H Q   I U R P   F R P S X W H U   V F L H Q F H   R U   J U D G X D W H   P D W K H P D W L F
visualization

Specialization in Computational Science
7 R W D O   & U H G L W V

REQUIRED COURSES   F R X U V H V   F U H G L W V

Course #	Course Name	Credits
0 $ 7 +	Calculus I	
0 $ 7 +	Calculus II	
MATH 1510	Multivariable Calculus	
0 $ 7 +	/ L Q H D U $ O J H E U D	
0 $ 7 +	Probability Theory	
0 $ 7 +	Mathematical Statistics R U 0 $ 7	
0 $ 7 +	Numerical 0 H W K R G V 0 $ 7	

ELECTIVES   F R X U V H V   F U H G L W V

& K R V H Q I U R P F R P S X W H U V F L H Q F H R U D G Y D Q F H G P D W K H P D W L F V

Recommended courses include

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CORRELATES   F R X U V H V   F U H G L W V

& K R V H Q I U R P F R P S X W H U V F L H Q F H   R U J U D G X D W H P D W K H P D W L F
visualization

Specialization in Actuarial
and Financial Mathematics
7 R W D O   & U H G L W V

REQUIRED COURSES   F R X U V H V   F U H G L W V

Course #	Course Name	Credits
0 $ 7 +	Calculus I	
0 $ 7 +	Calculus II	
MATH 1510	Multivariable Calculus	
0 $ 7 +	/ L Q H D U $ O J H E U D	
0 $ 7 +	Probability Theory	
0 $ 7 +	Mathematical Statistics R U 0 $ 7	
0 $ 7 +	0 D W K H P D W L F V R I) L Q D Q F H R U 0 $ 7	

ELECTIVES   F R X U V H V   F U H G L W V
 & K R V H Q   I U R P   H F R Q R P L F V   E X V L Q H V V   L Q W H O O L J H Q F H   D Q G   P D U N

Recommended courses include

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- (& 2 1
- ACC 1001
- $ & &

- FIN 1001
- , ' 6
- , ' 6
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CORRELATES   F R X U V H V   F U H G L W V
 & K R V H Q   I U R P   F R P S X W H U   V F L H Q F H   R U   J U D G X D W H   P D W K H P D W L F
and visualization