

Courses offered in the Department of Mathematics

Catalogue year: 2019-2020

Core Courses (Major in Mathematic) (11 courses, 35 Credit Hours)					Elective Courses (Major in Mathematic) (At least 13 credit hours)					
Core Courses	Cr . H	Prerequisites (if any)	Offered in Semester Fall /Spring /Summer	*Cross listed with	Elective Courses	Cr . H	Pre.Req	Offered in Semester	* Cross listed with	
MATH 201	3	MATH 102	Fall & Spring		MATH 212	3	MATH 101 or (Mathematics in intermediate)	Fall		
MATH 202	3	MATH 102	Fall & Spring		MATH 303	3	MATH 101 or (Mathematics in intermediate)	Fall or Spring		
MATH 203	3	MATH 102	Fall & Spring		MATH 304*	3	MATH 103	Fall & Spring	STAT 313	
MATH 209	3	MATH 103 & MATH 102	Fall		MATH 308	3	MATH 301 or MATH 203	Fall		
MATH 301	3	MATH 201	Spring		MATH 312	3	MATH 202	Summer		
MATH 302	4	MATH 203	Spring		MATH 314*	3	MATH 105	Fall	STAT 304	
MATH 307	4	MATH 201	Spring		MATH 315*	3	MATH 105	Fall or Spring	STAT 311	
MATH 309	3	MATH 201	Fall		MATH 316*	3	MATH 102	Fall or Spring	PHYS 341	
MATH 310	3	MATH 102 or MATH 103	Spring		MATH 401	4	MATH 313	Fall or Spring		
MATH 311	3	MATH 210	Fall		MATH 402	4	MATH 313	Fall		
MATH 313	3	MATH 103 & MATH 210	Spring		MATH 403*	4	MATH 303	Spring	CSCS 403	
<p>Note: Requirements of Major: Major CGPA of at least 2.0. 48 credit hours including 11 core courses (35 credit hours) and at least 13 credit hours from elective courses, but students are advised to take as many elective courses as possible.</p> <p>Requirements of Minor: 24 credit hours including 4 core courses (12 credits hours) and at least 12 credit hours from elective courses.</p> <p>Courses for General Education: MATH 100, MATH 101, MATH 102, MATH 103, MATH 105, MATH 107</p> <p>Cross-listed Courses: MATH 304, MATH 314, MATH 315, MATH 316, MATH 403, MATH 408, MATH 410, MATH 411</p> <p>Important Prerequisites: MATH 102, MATH 103, MATH 105, MATH 210</p>						MATH 404	4	MATH 202	Spring	
						MATH 406	3	MATH 201	Fall or Spring	
						MATH 407	3	MATH 311	Spring	
						MATH 408*	3	MATH 105	Fall	STAT 401
						MATH 409	4	MATH 203 & MATH 209	Fall	
						MATH 410*	3	MATH 302	Fall or Spring	PHYS 461
<p>Total Credits: 48 (13 from elective and 35 from core).</p>										

Catalogue year: 2019-2020**Freshmen year**

Fall 2019 (1st semester)

Spring 2020 (2nd semester)

Course	Credit Hr	Remarks/Status	Course	Credit Hr	Remarks/Status
UNIV100	3		Gen.Edu Course		
Gen.Edu Course			Gen.Edu Course		
Gen.Edu Course			Gen.Edu Course		
Gen.Edu Course			Gen.Edu Course		
At least One from Category A			At least One from Category A		

Sophomore yearFall 2020 (3rd semester)Spring 2021 (4th semester)

Gen.Edu Course			Gen.Edu Course		
Gen.Edu Course			Gen.Edu Course		
Gen.Edu Course			Gen.Edu Course		
At least Two from Category B			At least Two from Category B		

Junior yearFall 2021 (5th semester)Spring 2022 (6th semester)

Gen.Edu Course			Free Elective Course		
Free Elective Course			Free Elective Course		
At least Three from Category D			At least Three from Category C		

Senior yearFall 2022 (7th semester)Spring 2023 (8th semester)

Free Elective Course			Free Elective Course		
At least Four from Category D			At least Three from Category C		
Total Credits:	130				

Category A: MATH 102, MATH 103**Category B:** MATH 105, MATH 201, MATH 202, MATH 203, MATH 209, MATH 210, MATH 212, MATH 303**Category C:** MATH 301, MATH 302, MATH 304, MATH 307, MATH 310, MATH 313, MATH 315, MATH 403, MATH 404, MATH 407, MATH 411**Category D:** MATH 212, MATH 308, MATH 309, MATH 311, MATH 314, MATH 316, MATH 402, MATH 408, MATH 409, MATH 410