College of Basic and Applied Sciences Upper Division Form 2020-2021 Catalog

Student name		Student#	
Major	MATHEMATICS	Minor	(Optional)
Concentration	PROFESSIONAL MATH - ADVANCED TRACK	E-mail _	
Instructions: For stu	dents graduating Summer 2020 or later. One copy signed by major advi		

General Education	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
	ENGL 1010			Must earn a grade of C- or better	3
COMMUNICATION (9 hours)	ENGL 1020			Must eam a grade of C- or better	3
	COMM 2200				3
HISTORY (6 hours)					3
Choose two: HIST 2010, HIST 2020, HIST 2030					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one: ENGL 2020, 2030, HUM 2610. Choose two					3
different subjects: ANTH 2210, ART 1030 or 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA					3
1030					3
MATHEMATICS (3 hours) Choose one: MATH 1010, 1530, 1630, 1710,1720, 1730, 1810, 1910				MATH 1910 required for major	3
NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111,BIOL 2010/2011,BIOL 2020/2021,					4
CHEM 1010/1011, CHEM 1030/1031,CHEM 1110/1111, GEOL 1030/1031,GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 2010/2011,PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH					3
1530/1531, EMC/JOUR/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100					3
				Hours Required	41

Major Courses - Grade of C (2.0) or better required in each course	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
Calculus I	MATH 1910			Pre-req: MATH 1730 with a C (2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score. 3 hours counted in Gen. Ed. All 4 hours are also considered part of the major.	1 (3)
Calculus II	MATH 1920			MATH 1910 with a grade of C(2.0) or higher	4
Elements of Linear Algebra	MATH 2010			MATH 1910	3
Probability and Statistics (MATH 2050) or Math.Stat. I (STAT 3150) (STAT 3150 is offered in the Fall only)				MATH 2050: MATH 1910 STAT 3150: MATH 1920	3
Calculus III	MATH 3110			MATH 1920	4
Differential Equations I	MATH 3120			MATH 1920 with a grade of C(2.0) or higher	3
Foundations of Higher Mathematics	MATH 3460			MATH 1920	3
Theory of Calculus (Fall only)	MATH 4250			MATH 3110 and MATH 3460	3
Abstract Algebra I	MATH 4510			MATH 3460	3
Choose one course from List A. Choose a second course from List A or List B. (See department schedule of course offerings)	MATH			See online catalog for prerequisites	3
List A: MATH 4420, MATH 4230, MATH 3260 List B: MATH 4270, MATH 4530, MATH 4700	MATH			See online catalog for prerequisites	3
Hours Required					33 (36)

	Supporting Cours	es - Grade of	C (2.0) or b	etter required in each course		
	Course	Semester	Grade	Prerequisites/Notes		Credit Hours
CSCI 1170 Compu	iter Science I			MATH 1730 with a C (2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score.		4
MATH 1910 Calcul	us I			Credits can count in general education		0-4
MATH 4990 Semin	ar in Mathematics			Should be taken in final semester		3
9 hours upper divis				See online catalog for prerequisites		3
	ision (3000/4000 level) of MATH/ACSI/STAT			See online catalog for prerequisites		3
				See online catalog for prerequisites		3
Complet	ion of one sequence in Algebra (MATH 4420/MA	TH 4510), Analy	ysis (MATH	to reach 120 required for graduation 4230/MATH 4250), or Differential Equations (MA redits must be earned at 3000/4000 level	TH 3120/MATH 326	0)
				H	ours Required	46
		Min	or -Option	al		
	Course	Semester	Grade	Notes		Credit Hours
						nours
				H	ours Required	
hours (30	require a minimum of 120 semester hours 000/4000 level) and a minimum of 50 senio um of 12 credits must be earned at the 30	or college hou	ırs (earned	ulative and major GPA of 2.0 or higher. Mi at four-year University) also required. jor	inimum of 36 upp	oer-divisio
Signed:						
	Major Advisor					