## BACHELOR OF SCIENCE IN APPLIED AND COMPUTATIONAL MATHEMATICS

SPRING FALL	MATH 170 4 CALCULUS I Pre-Req: Placement Exam or MATH 136 or MATH 141 MATH 180 4		CSCI 125 3 COMPUTER PROGRAMMING I		GENERAL 3	FCWR 101* 3	FCIQ 101 3	
RING	MATH 180 /		Co-Req: MATH 136, MATH 141 or higher		ELECTIVE	FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100	FOUNDATIONS OF INQUIRY	16
SPI	CALCULUS II Pre-Req: MATH 170		CSCI 185 3 COMPUTER PROGRAMMING II Pre-Req: CSCI 125	PHYS 170 4 GENERAL PHYSICS I Co-Req: MATH 170		FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101	FCSC 101 3 FOUNDATIONS OF SCIENTIFIC PROCESS	17
FALL	MATH 260 4 CALCULUS III Pre-Req: MATH 180	MATH 220 3 PROBABILITY & STATISTICS Pre-Req: MATH 180		PHYS 180 4 GENERAL PHYSICS II Pre-Req: PHYS 170; Co-Req: MATH 180		FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		14
SPRING	MATH 350 3 ADVANCED CALCULUS Pre-Req: MATH 260	MATH 310 3 LINEAR ALGEBRA Pre-Req: MATH 180	MATH 330 4 COMPUTATIONAL ANALYSIS Pre-Req: MATH 260		COMPUTER 3 SCIENCE ELECTIVE	FCWR 3XX 3 PROFESSIONAL COMMUNICATION CHOICE Pre-Req: FCWR 151		16
FALL	MATH 320 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	MATH 410 3 NUMERICAL LINEAR ALGEBRA Pre-Req: MATH 310		COMPUTER 3 SCIENCE ELECTIVE OR SCIENCE ELECTIVE	COMPUTER 3 SCIENCE ELECTIVE OR SCIENCE ELECTIVE	ICLT 3XX** 3 LITERATURE CHOICE		15
	Pre-Req: MATH 320  OR  MATH 455  NUMERICAL ANALYSIS			SCIENCE 4 ELECTIVE	GENERAL 3 ELECTIVE	ICBS 3XX** 3 BEHAVIORAL SCIENCE CHOICE		13
FALL	MATH 3 ELECTIVE	MATH 3 ELECTIVE	MATH 3 ELECTIVE		GENERAL 3 ELECTIVE	ICPH 3XX** 3 PHILOSOPHY CHOICE		15
SPRING	MATH 490 5 MATHEMATICAL MODELING CAPSTONE Pre-Req: MATH 450 or MATH 455			COMPUTER 3 SCIENCE OR SCIENCE ELECTIVE	GENERAL 3 ELECTIVE	ICSS 3XX** 3  OR IENG 400 TECHNOLOGY AND GLOBAL ISSUES		14
	G FALL SPRING FALL SPRING	CALCULUS III Pre-Req: MATH 180  MATH 350 3 ADVANCED CALCULUS Pre-Req: MATH 260  MATH 320 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260  MATH 450 PARTIAL DIFFERENTIAL E Pre-Req: MATH 320 OR MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MA  MATH 490 5 MATH 490 5 MATH 490 5 MATHEMATICAL MODELING CAPSTONE Pre-Req: MATH 450 or MATH 455	CALCULUS III Pre-Req: MATH 180  MATH 350 ADVANCED CALCULUS Pre-Req: MATH 180  MATH 320 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260  MATH 450 PARTIAL DIFFERENTIAL EQUATIONS Pre-Req: MATH 320 OR MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410  MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410  MATH 450 MATH 450 OR MATH 450 DELING CAPSTONE Pre-Req: MATH 450 or MATH 455 MODELING CAPSTONE Pre-Req: MATH 450 or MATH 455 MATH 450 MATH 455	MATH 260 4 CALCULUS III Pre-Req: MATH 180  MATH 350 3 ADVANCED CALCULUS Pre-Req: MATH 180  MATH 320 1 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260  MATH 450 PARTIAL DIFFERENTIAL EQUATIONS Pre-Req: MATH 320 MATH 455 NUMERICAL LINEAR ALGEBRA Pre-Req: MATH 320 ADVANCED CALCULUS Pre-Req: MATH 260  MATH 320 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260  MATH 450 PARTIAL DIFFERENTIAL EQUATIONS Pre-Req: MATH 320 MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410  MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410  MATH 490 MATH 490 MATH 490 MATH 455 MATH 450 or MATH 455 MATH 450 or MATH 455	MATH 260 CALCULUS III Pre-Req: MATH 180 PROBABILITY & STATISTICS Pre-Req: MATH 180  MATH 350 Pre-Req: MATH 260  MATH 350 Pre-Req: MATH 180  MATH 350 Pre-Req: MATH 260  MATH 350 Pre-Req: MATH 310  SCIENCE ELECTIVE  MATH 450 PRE-Req: MATH 310  MATH 450 PRE-Req: MATH 320 OR MATH 455 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410  MATH 350 MATH 350 MATH 350 MATH 350 MATH 350 NUMERICAL ANALYSIS Pre-Req: MATH 320 and MATH 410  MATH 450 PRE-Req: MATH 320 and MATH 410  MATH 450 PRE-Req: MATH 350 or MATH 450 or MATH 450 or MATH 450 or MATH 450 or MATH 455 MATH 455  MATH 455  MATH 450 PRE-Req: MATH 450 or MATH 455	MATH 260 CALCULUS III Pre-Req: MATH 180 PROBABILITY & STATISTICS Pre-Req: MATH 180  MATH 350 MATH 35 MATH 350 M	MATH 260 4 PROBABILITY & STATISTICS PRE-Reg: MATH 180 PROBABILITY & STATISTICS PRE-Reg: MATH 180 PROBABILITY & STATISTICS PRE-Reg: MATH 180 PRE-Reg: MATH 260 PRE-Reg: MATH 300 PRE-Reg: MATH 30	MATH 250 4 PROBABILITY & PROBA

<sup>\*</sup>Non-native English speakers should take FCWR 111 in lieu of FCWR 101 and FCWR 161 in lieu of FCWR 151.

(Rev. 3/20)

<sup>\*\*</sup>Pre-Req: FCWR 101, FCWR 151, FCIQ 101, FCSP 105, FCSC 101