

Bachelor of Science ..... Major Code CI02

CIS and Mathematics Major  
 Computational Mathematics Option

<b>General Ed CORE 42 Requirement .....</b>	<b>42*</b>	<b>32</b>	
UE 100 First Year Experience** .....		1	
<b>CIS Core Requirements .....</b>		<b>33</b>	
CIS 110 Programming I .....		3	
CIS 202 Information Systems I .....		3	
CIS 210 Programming II .....		3	
CIS 310 Database Management Systems I .....		3	
CIS 315 Computer Networks .....		3	
CIS 345 UNIX System Administration .....		3	
CIS 350 Data Structures .....		3	
CIS 375 IT Project Management .....		3	
CIS 410 Information Systems II .....		3	
CIS 425 Database Management Systems II .....		3	
CIS 450 Operating Systems .....		3	
<b>Mathematics Requirements .....</b>		<b>34</b>	
MATH 150 Calculus with Analytic Geometry I* .....		5	
MATH 250 Calculus with Analytic Geometry II .....		5	
MATH 260 Calculus with Analytic Geometry III .....		3	
MATH 300 Fundamentals of Mathematical Thought .....		3	
MATH 340 Discrete Mathematics .....		3	
MATH 350 Introduction to Numerical Analysis .....		3	
MATH 351 Linear Algebra .....		3	
MATH 361 Probability and Statistics I .....		3	
MATH 371 Introduction to Operations Research .....		3	
MATH Electives numbered above 320 .....		3	
<b>Supporting Requirements .....</b>		<b>12</b>	
PHYS 270 General Physics I* .....	4		was PHYS 250 2 hours
PHYS 290 General Physics II .....	4		was PHYS 260 3 hours
CHEM 140 General Chemistry I* .....	3		was CHEM 151
CHEM 141 General Chemistry I Lab .....	1		
<b>Electives .....</b>		<b>8</b>	
<b>Total .....</b>		<b>120</b>	

Same program as the Bachelor Science in Mathematics, Computational Mathematics Option. Students selection this option will graduate with a double major in Computer Information Science and Mathematics.

\*Required mathematics satisfies 3 hours of CORE 42 area 4, CHEM 140 satisfies 3 hours of CORE 42 area 3A, PHYS 270 satisfies 4 hours of CORE 42 area 3B.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

Updated 4/2/18 to reflect CORE 42