Total:	18		Total:	17	

Fourth Year					
Fall Semester	**HRS**		**Spring Semester**	**HRS**	
CMPS 366-Organization of Programming Languages	4		CMPS Elective	4	
CMPS Elective	4		CMPS 450: Senior Project **WI**	4	
CMPS Elective	4		**DATA 620 – Ethics in Data and Computing (MSAM) ****	3	
MATH 562 - Applied Linear Algebra (MSAM)**	3		**MATH 654 – Applied Probability (MSAM) OR MSAM Category 1 Elective ****	3	
Total:	15		Total:	14	

Fifth Year - MSAM					
Fall Semester	**HRS**		**Spring Semester**	**HRS**	
MATH 680 – Advanced Mathematical Modeling	3		**MSAM Category 1 Elective or MATH 654 – Applied Probability (MSAM)**	3	
MSAM Category 1 Elective	3		**MATH 750 - THESIS**	3	
MSAM Category 2 Elective	3		**MSAM Category 2 Elective**	3	
MSAM Category 2 Elective	3				
Total:	12		Total:	9	

Total Credits Required for undergraduate degree: 128 credits**
GPA Required for BS in Computer Science: 2.0
GPA Required for 4+1 Pathway: 3.0
WI: Writing Intensive-3 required in the major

*Three additional credits are required in the 3rd year because graduate courses are only 3 credits, instead of the usual 4 credits for undergraduate courses. Thus, a student must take an additional 3 credits to meet the 128-credit undergraduate graduation requirement.

Total Graduate Credits Required: 30 credits**
GPA Required for MSAM: 3.0

**The 9 credits of graduate coursework taken in the fourth-year will double count towards both the undergraduate degree requirement of 128 credits as well as the required 30 graduate credits.