MONTCLAIR STATE UNIVERSITY

College of Science and Mathematics
Department of Computer Science

B.S. Science Informatics (SCIF)

Recommended Four -Year Plan (Fall 2014)

This recommended four-year plan is provided as an **outline** for students to follow in order to complete their degree requirements within four years. This plan is a **recommendation** and students should only use it in consultation with their academic advisor.

Students should be aware that this plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill, which do not appear on the four-year plan.

First Year

Fall Semester	SH		Spring Semester	SH	
ENWR 105	3		ENWR 106	3	
World Languages	3		World Languages	3	
SCIF 110 Intro to Science Informatics	3		CSIT 111 Fund of Programming I	3	
American/European History	3		MATH 116/Math 122	4	
New Student Seminar	1		World Lit/Gen Hum	3	
Total:	**13**		**Total:**	**16**	

Second Year

Fall Semester	SH		Spring Semester	SH	
Communications	3		Social Science/Non-Western	3	
CSIT 112 Fund of Programming II	3		BIOL 487/STAT 487 Stat Genomics	3	
Social Science/Social Science	3		CSIT 212 Data Stru and Algorithms	3	
BIOL 230 Cell and Molecular Biology	4		BIOL 380 Genetics	4	
CSIT 270 Discrete Math Stru	3		STAT 401	3	
Total:	**16**		**Total:**	**16**	

Third Year

Fall Semester	SH		Spring Semester	SH	
General Education Elective	3		Natural/Physical Sciences	3	
CSIT 337 Internet Computing	3		SI Concentration/Elective	3	
SI Concentration/Elective	3		World Cultures	3	
Philosophy/Religion	3		SI Concentration/Elective	3	
SI Concentration/Elective	3		SI Concentration/Elective	3	
Total:	**15**		**Total:**	**15**	

Fourth Year

Fall Semester	SH		Spring Semester	HRS	
CSIT 355 Database Systems	3		SCIF491 Research Experience in SI I	3	
Scientific Issues	3		SI Concentration/Elective	3	
SI Concentration/Elective	3		SI Concentration/Elective	3	
Free Elective	3		SI Concentration/Elective	4	
Fine and Performing Arts	3		Physical Education	1	
Total:	**15**		**Total:**	**14**	

Total Required: 120 credits