MSC in Applied Statistics **Program Learning Outcomes***	
Knowledge and Understanding: Students will be able to	
K1	**State** clearly statistical reasoning, in designing studies (including practical aspects), in exploratory data analysis by graphical and other means, and in a variety of formal inference procedures
K2	**Recognize d**eeply the basic theoretical and applied principles of statistics with adequate preparation to pursue a PhD or enter the job force as an applied statistician
Skills: Students will be able to	
S1	**Apply** statistical theory and methods in a wide range of situations relevant to research and real problems arising in different sciences
S2	**Develop** technical skills in probability modeling and statistical inference with the practical application of statistical methods in their current or future employment.
S3	**Build** efficiently and independently practical statistical models for various statistical indicators in real-world data.
S4	**Use** and properly develop the existing tools, packages and statistical programming languages to suit data science problems across different applied domains.
S5	**Assess** critically the importance of the assumptions of statistical methods and models and the consequences of their violation.
Values: Students will be able to	
V1	Demonstrate integrity and professional and academic values when dealing with various community issues related to the field of statistics.
V2	Participate within groups of research and manage specialized tasks and activities in Statistics with high autonomy.