The role of assertive tendencies and gender roles in the prediction of career related potential is a connection that has been studied by many researchers. Many inventories have been developed to attempt to link an individual’s personality traits, with potential successes in a variety of career paths. Therefore, it is important that the psychological community continues to study and reevaluate both new potential predictors to career success, and repeat old studies to verify that findings of the past continue to be sound today with the rapidly changing gender roles. Our study examines two different personality traits that have been shown in the past to influence career path decisions. Two personality tests, which have been shown to be reliable in assessing different aspects of personality in previous research, are the Bem Sex Role Inventory (BSRI) and the Rathus Assertiveness Schedule (RAS). Based on previous research, we hypothesized that students from different majors, who take both the BSRI and the RAS, would have a statistically significant difference in scores. Both tests were administered to 50 SUNY Cortland students (29 Psychology Majors and 21 Physical Education Majors). This study found that the BSRI and the RAS were reliable in evaluating gender roles and assertiveness, respectively. A statistically significant correlation was found between gender roles, masculine and feminine characteristics from the BSRI, and Assertiveness from the RAS \[r = .605, p < .01\] using the Pearson –Product – Moment Correlation. There were also unexpected findings between scores on the RAS and scores on the Need for Cognition Scale, which warrant further examination.