PHYSICS MAJOR LEARNING OBJECTIVES

Students graduating with a BA or BS degree in Physics will be able to:

1. Understand the fundamental principles of physics and be able to apply these core ideas to analyze physical processes;

2. Apply quantitative reasoning and critical thinking to solve complex problems, both

theoretical and experimental in nature;

3. Independently learn new technical subjects and skills;

4. Design and assemble experiments, quantitatively analyze the results using appropriate statistical procedures and tests of systematic errors, and draw meaningful conclusions;

5. Effectively communicate scientific ideas, both theoretical and experimental, to a variety of audiences through written and oral presentations, both formal and informal;

6. Work effectively as a member of a collaboration to solve problems.