

Physics BS

| I. What do we expect students to learn? | | | | |
|--|---|---|--------------|----------|
| A. Program Learning Outcomes: List your PLOs (the cognitive/knowledge, behavioral/skills, and/or affective/values you expect your students to achieve). These must be stated in measurable terms. Generally, there should be 5 to 10 PLOs. | | B. Standards For Your Program's Success: State percentage of students you expect will achieve each PLO at each competency level by the end of your program. | | |
| Program Learning Outcomes | | Competency Levels | | |
| | | Basic | Intermediate | Advanced |
| | <i>Sample: Distinguish between descriptive and inferential statistics and understand how these apply to outcome measurements.</i> | 100% | 60% | 40% |
| 1. | Demonstrate understanding of classical mechanics | 95% | 60% | 35% |
| 2. | Demonstrate understanding of classical electromagnetism | 95% | 60% | 35% |
| 3. | Demonstrate understanding of basic quantum mechanics | 95% | 60% | 35% |
| 4. | Demonstrate understanding of thermal physics | 95% | 60% | 35% |
| 5. | Demonstrate understanding of classical optics | 95% | 60% | 35% |
| 6. | Demonstrate understanding of analog electronics | 95% | 60% | 35% |
| 7. | Demonstrate understanding of modern physics experiments | 95% | 60% | 35% |
| 8. | Be prepared to either enter the workforce or continue at the graduate level after graduation | 100% | 90% | 80% |