

Physics Departmental & K-State Undergraduate Student Learning Outcome (SLO) Correlation

Physics Major Student Learning Outcomes	K-State Undergraduate Student Learning Outcomes
<i>To qualify for an undergraduate degree in Physics students will have demonstrated:</i>	<i>Upon degree completion K-State undergraduates are expected to demonstrate ability in the following areas:</i>
1) Students will demonstrate the ability to apply foundational knowledge to the solution of problems in physics.	Knowledge - Students will demonstrate a depth of knowledge and apply the methods of inquiry, and they will demonstrate a breadth of knowledge across disciplines.
2) Students will demonstrate skill in collecting, recording and analyzing data.	Critical Thinking - Students will demonstrate the ability to access and interpret information, respond and adapt to changing situations, make complex decisions, solve problems and evaluate actions.
3) Students will demonstrate the ability to effectively communicate information, scientific or otherwise, in both written and verbal form.	Communication - Students will demonstrate the ability to communicate clearly and effectively.
4) Students will demonstrate the ability to apply knowledge of physics at the advanced undergraduate level.	Diversity - Students will demonstrate awareness and understanding of the skills necessary to live and work in a diverse world.
	Academic & Professional Integrity - Students will demonstrate awareness and understanding of the ethical standards of their academic discipline and/or profession.