

**Ph.D. in Physics
Kansas State University
Learning Outcomes**

Physics Major Goals	University-Stated Goals	Relevant Physics Curriculum
<i>All participants in this Physics degree program at Kansas State University should possess the following skills and abilities upon graduation:</i>	<i>The following are aspects of Kansas State University's Stated Learning Outcomes that are met by departmental goals.</i>	<i>The below-listed courses or activities are considered to meet or help in meeting the goal stated in the leftmost column.</i>
1) Have a solid foundation of knowledge in the core areas of advanced level physics.	Knowledge, Critical Thinking	Physics graduate core courses
2) Have an expert level of knowledge in one specific area of physics	Knowledge, Critical Thinking, Personal and Professional Development, Ownership of Learning,	Advanced graduate courses related to dissertation, independent study, mentoring
3) Have hands-on experience with physics research	Knowledge, Personal and Professional Development	Research for dissertation
4) Understand career options appropriate to their degree programs, both within and outside the field.	Ownership of Learning, Personal and Professional Development, Diversity	Research and teaching experiences, Mentoring
5) Be capable of communicating information, scientific or otherwise, in both written and verbal form.	Communication	Teaching experience; Seminars (PHYS 807, Journal Club (PHYS 806); Ph.D. dissertation