

# TECHNICAL STANDARDS

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## ACCOMMODATIONS

It is the policy of Old Dominion University to provide reasonable accommodation to qualified students with a disability who can perform the essential functions as outlined in the above technical standards. Reasonable accommodation may be made in the form of administration of the evaluation where necessary; documented and requested in advance in accord with standards and requirements of the Americans with Disabilities Act Amendments (ADAAA). Whether or not a requested accommodation is reasonable will be determined on an individual basis. Determining what is a reasonable accommodation is an interactive process which the candidate/student should initiate with the Office of Educational Accessibility, in conjunction with the Office of Institutional Equity and Diversity and the respective department.

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COLLEGE OF SCIENCES

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## Physics Department

Students admitted to the undergraduate and graduate physics programs can be expected to complete course requirements, which necessitate the physical and mental abilities listed below. Any student who thinks he/she does not possess one or more of the following skills should see assistance from an academic counselor or faculty advisor and Educational Accessibility concerning any flexibility in program requirements and possible accommodation through technical aids and assistance.

1. Assimilate theoretical concepts, using mathematical equations, texts, diagrams, and graphs to solve hypothetical and practical problems.
2. Assemble laboratory equipment, perform laboratory exercises, observe and evaluate results from laboratory experiments. Equipment may be of a mechanical, electrical, or optical nature.
3. Operate standard test equipment used in physics laboratories and use computers. Be able to work with mathematical and standard software and possibly programming when appropriate, and assimilate data.
4. Operate electrical equipment which may have potentially lethal voltages and currents without injury to self or others.
5. Operate complex instrumentation used in introductory and advanced physics courses.
6. Distinguish loudness and tonal differences in laboratory experiments.
7. Communicate effectively in written documents. All written work is expected to demonstrate proper use of grammar, style, and mechanics.
8. Assimilate and communicate physical concepts through oral communication.
9. Be able to follow and formulate complex arguments involving abstract concepts.