## Nanoscience and Engineering Certificate

www.PhysicsAndAstronomy.Pitt.edu

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Advances in nanoscience and nanotechnology (the ability to predict, create, and design with nanoscale materials and systems)(29sd0astm/37d revolutionary changes in industrial practice. Strength in nanoscience and nanotechnology has been in nation's future competitiveness and prosperity and strategic plans have been developed to accelerate development, encourage knowledge transfer to spur economic growth, and expand educational program all in a socially and environmentally responsible and sustainable manner.

This certificate program requires 15 credits, described as follows.

ENGR 0240 Nanotechnology and Nan-Engineering PHYS 1375 Foundations of Nanoscience PHYS 1903 Directed Research