

UG Co-op in US Army TARDEC: CFD and Signature Modeling

Degree type: Mechanical engineer, physics, or aerospace engineer

CFD (Computational Fluid Dynamics) course strongly desirable

If not CFD, at least experience doing finite element stress analysis

Use of Star-CCM+ or Fluent

Experience performing mesh generation

Course focus on heat transfer, fluids, aerodynamics

Required: heat transfer and fluids classes

Strong computer skills (desired/ not required)

Use of Linux, UNIX, and/ or programming

CAD software: unigraphics, pro-e, catia

The generic participant requirements are:

Enrollment as a full-time or part-time student in good standing.

Be a US citizen and successfully complete a background investigation to obtain a security clearance.

Completed a minimum of a sophomore year in a Engineering or Related Sciences discipline with a minimum overall GPA of 2.5.

Capable of arranging a work schedule such that a minimum of 640 hours of work at TARDEC is achieved prior to degree completion.

Prepared to accept a position with TARDEC upon completion of the degree.

Maintain acceptable academic achievement and progress towards degree.

To apply send electronically a resume and a copy of transcripts (need not be official) to:

Pame Watts /Colin Wasilof

Coop Program Administrator

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