

Executive Summary

ISE Advanced Computing Technology Endowment

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Analytics and computational methods are at the heart of modern Industrial and Systems Engineering. Recognizing this, the ISE Department, in 2011, identified analytics as the strategic focus of the department and so, relies heavily on up-to-date computing technology. The lifecycle financial support of the Department's critical computing needs is only partially provided by the University. Therefore, the purpose of this fundraising effort is to establish a seven hundred and fifty thousand dollar (\$750,000) endowment dedicated exclusively to the lifecycle support of the ISE Department's key current education-based computing needs.

Facility Renewal

In 2010, the Industrial and Systems Engineering Department opened its new computer lab in Mohler room 121. The lab was the result of extensive renovation generously supported by Lehigh benefactors, with its 39 PCs provided through an Undergraduate Laboratory Enhancement Grant from the College of Engineering.

Impact to Educational Programs

The renovation more than doubled the capacity and has had a profoundly positive effect on the way courses are being taught. The lab computers, which all have software only available in the ISE Department, are heavily used in a large number of courses, classes, and lectures.

Foundation For the Future...

- It is critical to the ISE educational mission that its computer labs be appropriately updated on a 3-year lifecycle. Thus, the ISE Department will establish an Advanced Computing Technology Endowment that will initially provide these updates.
- While technically supported under an agreement with Lehigh Library and Technical Services, the ISE Department is financially responsible for the lifecycle renewal (hardware and software).
- Longer-term, this endowment will be used to help the ISE Department keep pace with the technological, analytical and computational needs of its students.

