



Industrial and Systems Engineering Integrated LeanSigma Certification Program

The ISE Department offers the opportunity for candidates to earn a Yellow Belt, Green Belt or Black Belt Certification while completing their ISE degree in any of the four above tracks. A Certification in Integrated LeanSigma differentiates a candidate and is in very high demand in business and industry. The program is rigorous and requires focus discipline, it readies the candidate to enter the 'real world' and hit the ground running.

The program has been offered since 2007 and 250 candidates have chosen this path. 95% of the candidates in this program have landed full time positions before graduating indicating the popularity of this additional work and skill development in the eyes of employers. Disney, Discover, Boeing, UPS, Walmart, John Deere, Parker Hannifin, Unilever, Lincoln Electric, Cameron International, Timken, GE Aviation, Chase, The Limited, Accenture, Schneider Electric, are just a small sample of representative companies pursuing candidates with the ISE Degree and the ILSS Certification.

Requirement 1: ISE 5810—Integrated LeanSigma Foundations. This is the Black Belt Foundation Course. Upon successfully completing this course and the five-hour final exam, the candidate will receive a Certificate (not Certification). This course has four labs associated with it and is one of our more popular courses in the ISE Curriculum.

Requirement 2: ISE 5811-12—Integrated LeanSigma Capstone Certification Project. This capstone option replaces ISE 4900 for a candidate taking this add-on program. The projects are industry sponsored and cover two semesters. Successful completion of the 'real world' project leads to Green Belt Certification.

For candidates not able or wanting to take a 2 semester capstone project, ISE4900ILSS is available (limited basis). Successful completion of ISE 4900 (ILSS) on top of ISE 5810 leads to a Yellow Belt Certification.

Black Belt Certification is feasible but requires special planning and two projects. Those interested in this should speak with Dr. Sink.