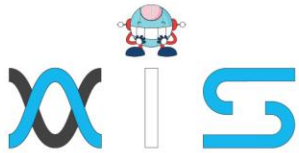


Professional Certificate in Lean Six Sigma

University Program

Course Outline





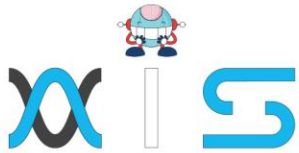
Course Overview:

Accelerate your career growth with our comprehensive Post Graduate Program in Lean Six Sigma in partnership with the University of Massachusetts at Amherst. This program provides you with the skills and tools to lead operational excellence in transformational projects by improving quality and enhancing bottom-line results. The Post Graduate Program in Lean Six Sigma offers a blend of online self-paced videos, live virtual classes, and hands-on projects. Learners also get access to mentorship sessions that provide a high-engagement learning experience and real-world applications to master essential Lean Six Sigma skills.

The meticulously-crafted program helps you transition from a traditional lean approach to a digital lean framework. The four key areas of digital lean addressed in the program are process efficiency, improvements in yield and utilization, operational excellence, and the key technologies for digital transformation. By acquiring skills in these key areas, you will be well-equipped for an exciting career as an operational excellence professional. After graduating from this Post Graduate Program, you will be able to implement quality projects and apply Lean and Six Sigma tools to address business problems.

Key Features:

- University of Massachusetts Amherst Post Graduate Program Certificate of Completion
- Official membership to the UMass Amherst Alumni Association
- Masterclasses from top faculty of UMass Amherst
- Interactive peer learning through group projects and discussions Capstone project in 3 domains Curriculum aligned with PMIACP®, IASSC-LSSGB, and LSSBB certifications
- Earn 122 PDUs to maintain your Continuing Certification Requirements (CCR) for multiple PMI® related certifications
- Capstone project in 3 domains
- Curriculum aligned with PMIACP®, IASSC-LSSGB, and LSSBB certifications
- Interactive peer learning through group projects and discussions



- Upon completion of the program, you will receive a 3-credit elective transfer for UMass Amherst Isenberg Online MBA (upon acceptance into the online MBA program)

About University of Massachusetts Amherst

The University of Massachusetts Amherst ranks among the top 25 premier public universities by U.S. News Education Rankings. The Isenberg School of Management at UMass Amherst is consistently ranked in the top 50 business schools in the USA, and the AACSB-accredited online MBA program is ranked #1 in the USA and #3 in the world by the annual Financial Times survey. UMass Amherst is committed to academic excellence and innovative thinking to produce revolutionary ideas and impacts — on par with the best universities in the world.

This Post Graduate Program in Lean Six Sigma, in partnership with University of Massachusetts Amherst, will open new pathways for you in the field of operational excellence and project management. It relates to virtually every realm of business — from IT services to ecommerce to healthcare, and more.

Upon completing this program, you will receive a joint UMass-Simplilearn Certification of Completion.

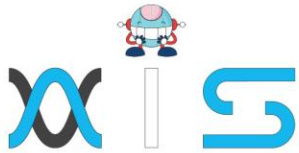
Program Eligibility Criteria and Application Process

Those wishing to enroll in the Post Graduate Program in Lean Six Sigma will be required to apply for admission.

Eligibility Criteria

For admission to this Post Graduate Program in Lean Six Sigma, candidates must possess one of the first two criteria:

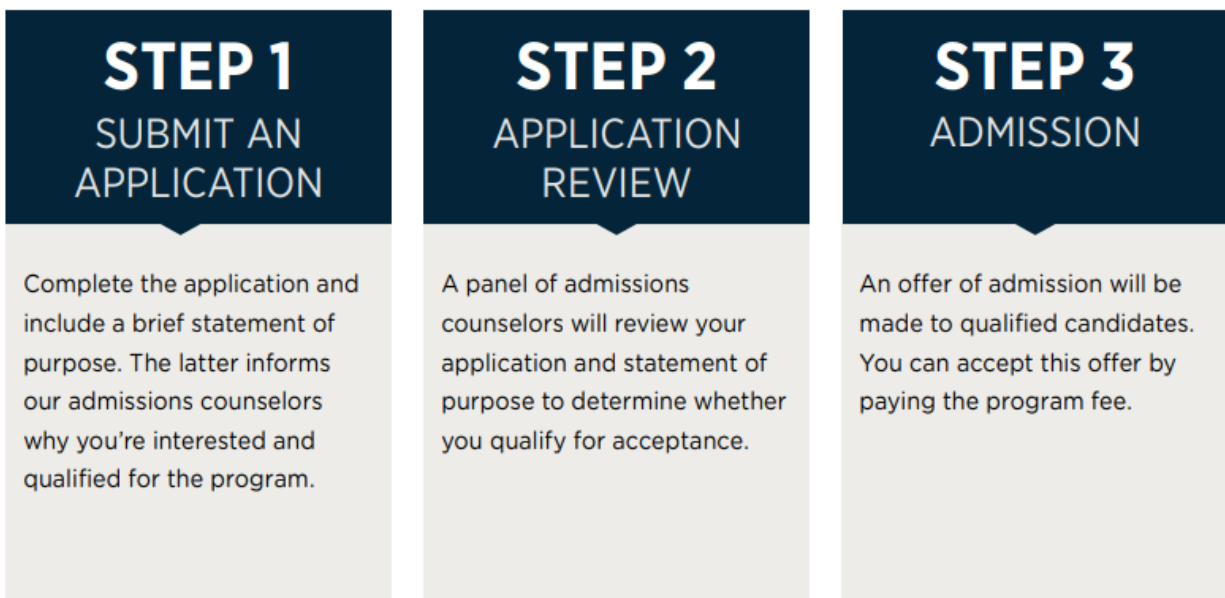
- A bachelor's degree in any discipline



- At least 5 years of experience
- Programming or non-programming background

Application Process

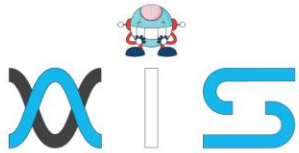
The application process consists of three simple steps. An offer of admission will be made to the selected candidates and accepted by the candidates by paying the admission fee.



Talk to an Admissions Counselor

We have a team of dedicated admissions counselors who are here to help guide you in applying to the program. They are available to:

- Address questions related to the application
- Assist with financial aid (if required)
- Help you resolve your questions and understand the program



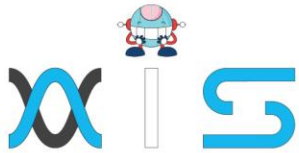
Program Outcomes:

- Combine the waste-fighting measures of lean practices and defect-reducing techniques of Six Sigma to improve process efficiency
- Identify and eliminate the root causes of defects and waste to make business operations more efficient.
- Implement quality projects and specific industry applications. Learn to use the statistical Minitab® tool to enable effective statistical analysis for projects.
- Become a key stakeholder in leading and implementing Lean Six Sigma projects in your organization
- Describe how to identify an improvement in the project in the Define phase
- Explain how to measure process and product quality in the Measure phase
- Apply lean concepts such as 5S, waste reduction, process mapping, value stream mapping, and mistake proofing
- Apply basic and more advanced statistical analyses to determine the relationship between key inputs and process outputs
- Process key statistical data operations using Minitab
- Export data to various MS Office applications

Who should enroll in this program?

This program caters to graduates in any discipline and working professionals from diverse backgrounds. Candidates need not have any prior experience in project management to enroll in this program. The program is best suited for individuals seeking the following careers:

- Professionals (Quality Control Supervisor, IT Analyst, Project Manager, Six Sigma Professionals) looking to learn how to improve organizational efficiency can become a Lean Six Sigma expert
- Quality Supervisor, Quality Manager, Quality Engineer, Quality Director
- Mid to upper-level managers responsible for bottom-line growth can learn skills to implement cost reductions and improve organizational capabilities
- Product Engineer, Developer Manager, Analyst



Learning Path:

1. Lean Management
 2. Minitab®
 3. Certified Lean Six Sigma Green Belt (LSSGB)
 4. Certified Lean Six Sigma Black Belt (LSSBB)
 5. Lean Six Sigma Capstone
- (☆) PGP Certificate of Completion

Electives:

Digital Transformation

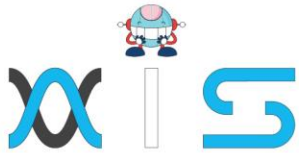
In this Digital Transformation course, You will leverage digital technologies, which will help in transforming the business strategies and objectives to build a solid action plan, foster customer-focused innovation, and drive a digital culture in your organization.

Lean Six Sigma

in Health Care The Lean Six Sigma in Healthcare course highlights its application in the healthcare sector. This course provides a practical understanding of using the methodology and tools to improve projects in a healthcare setting. To understand the life cycle of an operational excellence project, you will conduct a sample project through the entire process from the Define phase to the Control phase. You will demonstrate your understanding of key concepts by using the relevant tools and methodologies to achieve project objectives.

Lean Six Sigma Application in IT

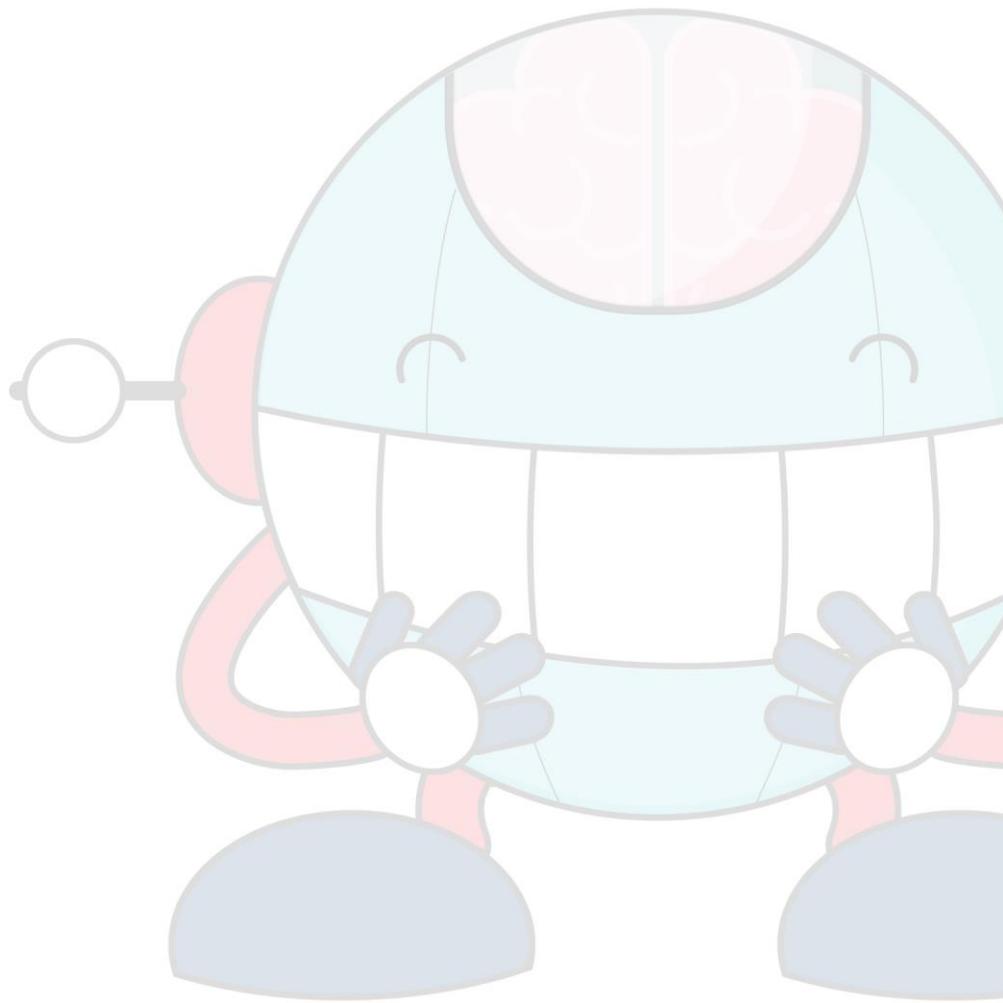
The Lean Six Sigma in Information Technology course highlights its application in Information Technology. This course will introduce powerful Lean Six Sigma concepts and tools to address challenges that IT organizations face in implementing process improvement. In this

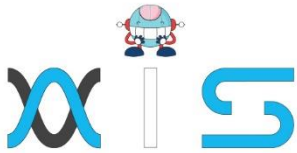


course, you'll learn the application of lean principles to remove waste and describe the uses of metrics and control charts to ensure the stability of IT processes.

Lean Six Sigma Industry Masterclass - KPMG

Attend online interactive masterclasses from KPMG in India and get insights about real-world lean and six sigma practices.





AIS

With the rising demand in scalable technology, AIS provides tailored goal-setting based on your organization's needs and expectations. With products geared towards the growing needs of your organization's customers and employees, AIS has innovative and value-driven solutions.

Learning Partners



SAS Management, Inc.

SAS Management, Inc. has been a leader in the training, certification and consulting services industry in the Philippines. With offices in Makati, Ortigas and Cebu, Philippines, the company has been the top training and consulting company for over 9 years. In its years of existence, it has provided certificates to over 100,000 professionals including 10,000 participants in the 160+ courses that have been conducted just during the 2020-2021 pandemic alone. The most sought-after courses being offered are ITIL, Project Management Professional (PMP)®, COBIT 5, Six Sigma Yellow Belt, Six Sigma Green Belt, PRINCE2, and organizational skills, among others.



Simplilearn

Simplilearn, based in California and India, is the world's #1 online bootcamp and one of the world's the leading certification and training providers. Simplilearn trained over 2,000,000 professionals with 2,000+ trainers and provides over 400 different courses.

Technology Partner



Freshworks

With over 40,000 customers, Freshworks is a business solutions software provider with products ranging from IT helpdesk and service desk, customer relationship management, live chat, marketing automation, phone system, and HR.

Partners & Affiliates



PECB

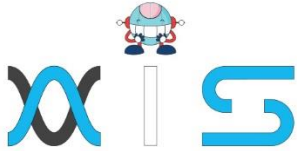
SDI Service Desk Institute

EC-COUNCIL

MIT Massachusetts Institute of Technology



P PURDUE UNIVERSITY



The program presented, as well as a wide range of programs are products of the partnership of AIS, SAS Management, Inc., and Simplilearn. With a common goal of providing the best practice of facilitating learning with an array of choices available in the online platform in this time of digitization.

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